

**BOARD OF SUPERVISORS FOR THE
UNIVERSITY OF LOUISIANA SYSTEM**

PERSONNEL COMMITTEE

October 26, 2023

Item J.1. **Louisiana Tech University's** request for approval to appoint Dr. Sumeet Dua as Executive Vice President for Research effective October 1, 2023.

EXECUTIVE SUMMARY

The University requests approval to appoint Dr. Sumeet Dua as Executive Vice President for Research effective October 1, 2023 at an annual salary of \$200,000. The staff recommends approval.

RECOMMENDATION

It is recommended that the following resolution be adopted:

***NOW, THEREFORE, BE IT RESOLVED,** that the Board of Supervisors for the University of Louisiana System hereby approves Louisiana Tech University's request for approval to appoint Dr. Sumeet Dua as Executive Vice President for Research effective October 1, 2023.*



J.1.

LOUISIANA TECH UNIVERSITY®

OFFICE OF THE PRESIDENT

LADIES AND GENTLEMEN OF THE BOARD OF SUPERVISORS FOR THE UNIVERSITY
OF LOUISIANA SYSTEM

Louisiana Tech University requests approval to appoint Dr. Sumeet Dua to the position of
Executive Vice President for Research.

Dr. Dua holds a Ph.D. in Computer Science from Louisiana State University. He joined
Louisiana Tech University in 2002. Currently, he has served as the Chief Research Officer and
Executive Associate Vice President for Research since 2021.

Based on his significant administrative experience and consistent scholarly accomplishments, I
submit Dr. Sumeet Dua as Louisiana Tech's choice for Executive Vice President for Research.

Your favorable consideration of his appointment is requested.

Sincerely,

A handwritten signature in blue ink that reads "Leslie K. Guice".

Dr. Leslie K. Guice
President



LOUISIANA TECH UNIVERSITY®

OFFICE OF THE PRESIDENT

September 26, 2023

Dr. James Henderson, President
University of Louisiana System
1201 North Third Street
Suite 7-300
Baton Rouge, LA 70802

Dear Dr. Henderson:

I request permission to appoint Dr. Sumeet Dua to the position of Executive Vice President for Research without a national search. Dr. Dua has served as our Chief Research Officer and Executive Associate Vice President for Research since 2021. In those roles, he oversees the Office of Research and Development, the Office of Sponsored Programs, and the Louisiana Tech Research Institute. Dr. Dua also serves as President and CEO of the Louisiana Tech Applied Research Corporation (LTARC) which is a 501(c)(3) organization, affiliated with the University. LTARC supports the expansion of industry and government partnerships with Louisiana Tech University through various contract vehicles, including those at the classified levels, and its operations are closely affiliated with the University's research function. The CEO is required to maintain the highest-level security clearance held by LTARC. Dr. Dua holds a Top Secret clearance. Dr. Dua's ability to serve as CEO of LTARC and as EVPR creates unique mission and operation synergies that would otherwise be difficult to achieve.

Dr. Dua earned his Ph.D. in Computer Science at Louisiana State University in 2002. He joined Louisiana Tech University in 2002 as an Assistant Professor in Computer Science and became a full Professor in 2012. He has held an endowed professorship position as well as the Watson Eminent Scholar Chair. Dr. Dua held administrative positions as an Academic Director over multiple programs including Computer Science, Cyber Engineering, Electrical Engineering, and Electrical Engineering Technology. He was also Associate Dean for Graduate Studies before becoming the Associate Vice President for Research and Partnerships. Dr. Dua's leadership has been superb at all levels.

Dr. Dua has an excellent research background with an extensive list of publications. He is the author of 5 books published in areas ranging from Machine Learning, Data Mining, Cybersecurity, Biomedical Imaging, Bioinformatics, and Computational Analysis. He is the author of over 70 refereed publications and refereed conference proceedings. He has been awarded 2 patents and has many other publications in book chapters and conference proceedings. He has served on over 65 federal scientific review panels and frequently serves on accreditation teams to review universities and programs worldwide. Dr. Dua's record of funded grants is extensive.

A MEMBER OF THE UNIVERSITY OF LOUISIANA SYSTEM

P.O. BOX 3168 • RUSTON, LA 71272-0001 • TEL: (318) 257-3785 • FAX: (318) 257-2928

AN EQUAL OPPORTUNITY UNIVERSITY

Dr. Dua has all of the qualifications necessary for serving as Executive Vice President for Research at any national research university. We are most fortunate to have him in his current role as Executive Associate Vice President for Research and Partnerships at Louisiana Tech.

I am confident that a national search would not lead to a more qualified candidate or a more committed leader than Dr. Sumeet Dua. Enormous opportunities have been developed through our interdisciplinary research centers in areas ranging from biomedical engineering to micromanufacturing to cybersecurity with specialized facilities and partnerships through the Louisiana Tech Research Institute. Dr. Dua has a deep understanding of the faculty, programs and research opportunities in all of these areas and is poised to take them to the next level.

Additional information on Dr. Dua's background and accomplishments are highlighted on the next page.

I will be happy to provide a full vita if you would like to review that. Thank you for your consideration.

Sincerely,

A handwritten signature in blue ink that reads "Leslie K. Guice". The signature is fluid and cursive, with the first letters of each word being capitalized and prominent.

Leslie K. Guice
President

Professional Overview

- 22+ year track record of visible and service-centered leadership, inspiring shared vision, steering large-scale organizations, promoting scholarship, cultivating research efforts and impactful partnerships, and encouraging a high degree of excellence, integrity, and professionalism in both word and action.
- Passion for seeking diverse perspectives and relationships to engender trust and unite others around shared values and vision, while cultivating a transparent environment centered on open communication and mutual respect to optimize faculty and student satisfaction and performance.
- Penchant for building and leading winning multidisciplinary teams to effectively respond to extramural opportunities to meet diverse research and academic needs.
- Track record of success steering multi-million-dollar research and partnership budgets and establishing financial strategies that strengthen revenue streams, optimize resources, and increase stability.
- Career history pioneering and leading multidisciplinary academic programs through rapid enrollment increases and economic and educational challenges.
- Established a diverse range of new curricula to fulfill current and emerging needs, prepare students for future endeavors, and make the learning process engaging.
- Skilled at meeting the changing needs of the community and establishing firm high-performing public-private partnerships across the industry and diverse public.
- Demonstrated ability to anticipate current and future organizational needs and understand the educational challenges faced by students.

Selected Achievements

- Co-lead the university's 2030 strategic planning efforts by cultivating input from various stakeholders.
- Co-authored/edited 5 books, 70 peer-reviewed publications, 34 abstracts, and 9 book chapters.
- Served as a regular expert panelist for 65+ federal review panels for the National Institutes of Health (NIH) and National Science Foundation (NSF) and presented 15 workshops, 17 keynote and plenary talks, and over 70 other invited talks locally and internationally.
- Steered the business development and operations of a ~\$30M 75K sq ft building with highly sensitive facilities to support sensitive projects and diverse partner collaborations.
- Spearheaded 40+ unique scientific research projects supported by the NIH, NSF, AFOSR, AFRL, AFGSC, NASA, and Louisiana Board of Regents.
- Leveraged research expertise to advise over 25+ Ph.D. dissertation and M.S. thesis students and 8 M.S. practicum in artificial intelligence-related areas, with biomedical informatics and cyber applications.
- Accomplished a wide range of awards and accolades, including the Louisiana Tech Foundation Professorship Award for Excellence in Research, Teaching, and Service.
- Attained \$17M+ of funded grants and contracts (Principal Investigator/Co-investigator portion only) and led \$75M+ of sponsored projects (Project leader/Site Director only).

- Deep and broad understanding of the accreditation guidelines, procedures, and intended outcomes through service as a reviewer for international and national accreditation bodies, as a member of 35+ External Review Teams (10+ as Team Chair) of various university programs.
- Orchestrated the recruitment of over 40 diverse faculty and staff to meet emerging needs and sustain organizational success in strategic areas.
- Cultivated engagement with industry leaders and explored new opportunities by leading \$13M+ in Cooperative Endeavor Agreements (CEAs).
- Developed a trusted relationship with federal and state agencies to ensure consistent and impactful applied research support for faculty and staff and create unique student opportunities.

SUMEET DUA, Ph.D.

2210 Llangeler Drive, Ruston, LA 71270

sumeet.dua@gmail.com

<http://dmrl.latech.edu> ■ 318-257-2871

Top-Secret Clearance

Executive Associate Vice President for Research and Partnerships

Chief Research Officer

Max P. and Robbie L. Watson Eminent Scholar Chair

Professor of Computer Science

Louisiana Tech University, Ruston, LA 71272

President and Chief Executive Officer

Louisiana Tech Applied Research Corporation

Bossier City, LA 71111

EDUCATION

Ph.D. in Computer Science

05/2002

Louisiana State University and A&M College, Baton Rouge, LA

M.S. in Systems Science

08/2000

Louisiana State University and A&M College, Baton Rouge, LA

B. Engineering in Electronics and Communication

06/1997

Thapar Institute of Engineering and Technology, Patiala, India

LEADERSHIP DEVELOPMENT

Leadership Program for Higher Education: Organizational Change in Uncertain Times, Harvard Institutes for Higher Education, Graduate School of Education, Harvard University, Cambridge, MA (2021)

Aligning Strategic Priorities with Financial Resources in Higher Education, Harvard Institutes for Higher Education, Graduate School of Education, Harvard University, Cambridge, MA (2021)

Management Development Program, Harvard Institutes for Higher Education, Graduate School of Education, Harvard University, Cambridge, MA (2015)

AWARDS & HONORS

- Nominated and selected for the Shreveport Bossier Military Affairs Council (2023)
- Nominated and selected for the US Air Force 307th Bomb Wing Civic Leader Program (2022)
- Blue Cross Blue Shield of Louisiana Foundation Health Fellow (2022)
- Nominated to and received an invitation from the Secretary of the Air Force for National Security Forum, Air War College, Air War University (2018)
- Max P. & Robert L. Watson Eminent Scholar Chair, Louisiana Tech University (2016)

- Louisiana Tech University Foundation Professorship Award in Recognition of Excellence in Teaching, Research, and Service (2016)
- Outstanding Leadership Award, Louisiana Tech College of Engineering and Science, Louisiana Tech University (2012)
- Distinguished Researcher Recognition, Louisiana Biomedical Research Network (2010)
- Outstanding Poster Award, Joint National Institutes of Health (NIH) NCRI Informatics and National Cancer Institute (NCI) CaBIG Conference 2009; Biomedical Informatics without Borders: From Collaboration to Implementation (2009)
- Inventor Recognition Award, Louisiana Tech University (2009)
- Senior Member, Association for Computing Machinery (ACM) [Life Member] (2008)
- Senior Member, IEEE (2008)
- Best Research Poster Award, 12th Annual Conference for Research, Computational Biology (RECOMB-08) (2008)
- Research Recognition Award, Louisiana Tech College of Engineering and Science (2007)
- Early Promotion and Tenure, Louisiana Tech University (2007)
- Louisiana Tech University Engineering and Science Foundation Award for Dedication and Service, Louisiana Tech Engineering and Science Foundation (2006)
- Upchurch Endowed Professorship in College of Engineering and Science, Louisiana Tech University (awarded pre-tenure) (2006)
- Sigma Xi's Grant-in-Aid Research Award (as a student) (2001)

PROFESSIONAL EXPERIENCE

LOUISIANA TECH APPLIED RESEARCH CORPORATION (LTARC)

2020 – Present

An independent non-profit 501(c)(3) organization

President and Chief Executive Officer

- Leveraged advanced leadership experience to steer strategic direction to achieve objectives, secure \$10M+ federal contracts, and raise revenue with minimal resource expenditure.
- Selected and assisted 35+ subject matter experts while promoting a diverse expertise and predicting future contractual needs.
- Steered the business development, operations, and management of a ~\$30 million 75,000 sq. ft. Louisiana Tech Research Institute (LTRI) building with highly sensitive facilities to support research projects and diverse partner collaborations.
- Developed a trusted relationship with the Air Force Global Strike Command Office of Chief Scientist to ensure high quality, applicable and impactful applied research support for over 15 projects.
- Procured TS/SCI facility clearance for the organization, sensitive space accreditation, and built a security team of experts to effectively manage personnel, facilities, and the physical and cyber infrastructure.
- Forged trusted partnerships and relationships to cultivate collaboration as the primary point of contact between the board of directors and stakeholders.
- Planned and executed strategy to procure GSA schedule for LTARC.
- Identified and seized opportunities to encourage strategic intellectual thought and deliver federal research access and contractual support for applied research and development.

- Developed new contracting mechanisms and vehicles to ensure a scalable and sustainable activity level and sponsored project deliver.
- Built a pipeline of considerable private donations for materialization.
- Led, as a PI, a \$15 million proposal on “Metal Extraction and Liberation Technologies (MELT)” towards the National Science Foundation Engines Type-2 Engines program in partnership with UC Berkeley, Rice University, and five other universities, multiple industry, FFRDC, and tribal partners.

LOUISIANA TECH UNIVERSITY

2002 – Present

Executive Associate Vice President for Research and Partnerships and Chief Research Officer (2021 – Present)

Associate Vice President for Research and Partnerships (2017 – 2021)

Founding Director, Institute of National Security Studies (2022 – Present)

- Ideated state-of-the-art strategies for interdisciplinary research and collaborative opportunities, including improvements to the allied-health focus and smart-campus initiatives.
- Spearheaded the development of the multi-disciplinary Forest Products Innovation Center and the Institute for National Security Studies by developing and leveraging public-private partnerships.
- Organized events and opportunities in to foster collaboration and successes in multidisciplinary areas. These include the Transdisciplinary Health Applications Workshop (<https://bit.ly/3ziTHPw>) and the Inaugural LA Tech Research & Partnerships Week (<https://bit.ly/3VKd3Xe>).
- Built hard-hitting teams and led proposals in cyber, smart cities, national security, leadership, and data science areas with \$50M+ in project submissions to various federal agencies in the past 4 years.
- Cultivated campus-wide research and partnerships efforts that led to a 39% increase in transdisciplinary grantsmanship efforts.
- Proposed and lead the design of the joint Center for Clinical and Translational Research with a leading not-for-profit health system and the largest healthcare provider in northwest Louisiana.
- Developed a trusted relationship with federal and state agencies to ensure consistent and impactful applied research support for faculty and staff and create unique student opportunities.
- Effectively led the directors of the interdisciplinary research centers and institutes to enable their continued programmatic grantsmanship and team success.
- Established the leadership for research compliance for coordinating the development and implementation of institution-wide research compliance committees, policies, and procedures and providing public assurance about university research's ethical and responsible nature.
- Established the leadership for research communications to ensure consistent, accurate, and timely dissemination of research and partnerships events, initiatives, and impacts.
- Realigned research compliance and integrity committees to enable efficient and accurate reviews. Served as the institutional ex-officio member on all research compliance committees.
- Provided stewardship of interdisciplinary and cross-disciplinary research, collaboration, and training to cultivate research cluster focus areas aligned with federal priorities.
- Served as a governmental relations liaison for research and innovation for the university with governmental consulting firms, congressional staffers, and other government stakeholders.
- Provided executive leadership for the Office of Sponsored Projects for efficient and accurate pre-award and post-award services and research compliance and integrity.

- Provided institutional leadership and tactical support for research compliance committees on campus, including conflict of interest, human subject research, animal research, export control, safety, and related areas.
- Pioneered several academic program proposals, such as a new Ph.D. program in National Security Studies, a new interdisciplinary 2+2 BS degree in Cyber Practitioner Technology, and a graduate certificate in cost analysis.
- Reorganized and led the University-wide Research Council to enable shared governance of research operations.
- Developed high-performing research and partnership endeavors in health sciences by strategically cultivating and clustering university academic and research strengths and developing scalable transdisciplinary partnerships with crucial healthcare systems around the state.
- Conceptualized and defined the strategic vision and goals as a part of the University's 2030 strategic planning 5-member leadership team and lead the university-wide 24-member Strategic Learning Choices and Vision group.
- Steered the search for key positions, including the Chief Information Officer and selected research center directors.
- Cultivated engagement with industry leaders and explored new opportunities by leading \$13M+ in Cooperative Endeavor Agreements (CEAs) with Fortune-500 companies, such as General Dynamics Information Technology (formerly CSRA and CSC), Lumen (formerly CenturyLink), IBM, and economic development agencies.
- Fostered the University's relationship with the Gulf of Mexico Center of Excellence for Large-Unmanned Aircraft Systems, resulting in the joint MoU founding a formal flight training and operations partnership at the L-UAS Center of Excellence.
- Contributed integral input to various committees and organizations including:
 - Louisiana Board of Regents Research Committee.
 - Executive Committee Member for the RESTORE Act Center of Excellence for Louisiana, Water Institute of the Gulf.
 - Bioinformatics/biocomputing expertise liaison to the Biomedical Informatics Core of the Louisiana Clinical and Translational Science Center (LA CaTS).
 - Key Management Personnel (KMP) for LA Tech's facility clearance and the Institutional Insider Threat Program Senior Official (ITPSO).
 - Member of the Strategic Planning Research Subcommittee for the Louisiana State University Health Sciences Center.

LOUISIANA TECH RESEARCH INSTITUTE

2018 – 2020

Senior Vice President

- Established a trusted relationship with the Cyber Innovation Center (CIC), generating ~\$7M in sponsored projects funding to Louisiana Tech since 2017.
- Grew LTRI from \$55K and 1 employee in 2017 to +- \$3M in active contracts and 7 employees in 2020 with 75K sq. ft., ~\$30M LTRI building funded.
- Built the Cyber Training Center (CTC) at the LA Tech Academic Success Center (ASC) in Bossier City, LA with a \$1.35M budget raised through private donations.
- Raised private funds to drive the establishment of the Global Environment for Networking Infrastructure (GENI) testbed (ExoGENI) node at Louisiana Tech.

Associate Dean for Graduate Studies, College of Engineering and Science (2015 – 2017)

- Boosted new student recruitment and retention through several initiatives, including the development of new web and email gateways, as well as cross-functional meetings focused on streamlining communication.
- Grew student and faculty satisfaction and eliminated paper submissions by pioneering an online submission/approval system, resulting in 450+ online form submissions within the first year of implementation.
- Decreased application turnaround time by 65% by innovating the graduate application review process, while steering the implementation of a new university application system.
- Reduced paperwork, staffing needs, and response time by rolling out an integral online appointment and award system for graduate assistantships to enhance the agility in making offers with 350+ online appointments processed during the initial year of implementation.
- Spearheaded all aspects of graduate programs with a top-performing team of 15+ graduate coordinators, acting as the primary point of contact for program-related issues, revamping cross-disciplinary curricular opportunities, and assigning and overseeing startup support.
- Governed the annual budgets for graduate assistantships and scholarships to achieve fiscal objectives with \$1.04M+ in teaching assistantship, as well as multiple graduate scholarship programs and graduate research assistantships.
- Improved the standard of excellence by founding programs for graduate student quality enhancement, covering quality advising, the writing of theses and dissertations, and the integration of graduate students into new inter- and multi-disciplinary research programs.
- Optimized the Ph.D. curricula by steering discussions and 22 course additions/changes, accelerating student progress, while expanding cross-disciplinary opportunities.
- Contributed valuable input to decision-making by serving on the University's Graduate Council, College of Engineering and Science (COES) Leadership Team, COES Research and Economic Development Team, and LA Tech master's in health informatics advisory board.
- Achieved exceptional annual evaluations and recognition from stakeholders and colleagues, recognized for taking initiative, demonstrating vision, honoring faculty, and strategically managing resources to fulfill budget requirements.

Director, Computer Science, Cyber Engineering, Electrical Engineering and Electrical Engineering Technology (2014 – 2015)

Director, Center for Secure Cyberspace (2014 – 2019)

Director, Computer Science, Electrical Engineering, Electrical Engineering Technology and Industrial Engineering (2013 – 2014)

Interim Director, Computer Science, Electrical Engineering and Electrical Engineering Technology (2012 – 2013)

- Steered a multi-faceted team of engineering and science faculty from up to 4 departmental and 7 academic programs to propel growth and innovation.
- Cultivated a high level of productivity and excellence by mentoring faculty through professional development measures and assignments and encouraging interdisciplinary collaboration.
- Pioneered an innovative online system to accurately manage faculty and staff workloads and data for property management, as well as student and assistant workloads.
- Established a \$9 million cyber and computing-related partnership with CSC/CSRA/GDIT, Louisiana Economic Development (LED), and LA Tech.

- Integral in proposal writing and project execution for the University's relationship with NIH-supported Louisiana Biomedical Research Network, attracting \$50M+ in extramural funding and supporting more than 10 faculty and 80 graduate and undergraduate students.
- Advanced strategic planning activities as a key member of the College of Engineering and Science (COES) Leadership Team and the COES Strategic Plan Preparation Team, as well as the thrust co-leader for the Cyber and Information Systems thrust area (with Tim Bisping), Louisiana Tech Science and Technology Plan towards Louisiana's Research Master Plan.
- Served as a part of several university-level committees and spearheaded faculty hiring committees.
- Developed, streamlined, and rolled out high-caliber academic programs and curricula, including the MS in Engineering (new concentration in Communication Systems) and Graduate Certificate in Communication Systems.
- Drove and enhanced academic leadership across undergraduate and graduate programs, directing various multidisciplinary research initiatives and guiding efforts to prepare for ABET self-study reports.
- Governed the Student Leadership Advisory Council for five programs, focused on boosting program excellence through stakeholder advice and input.

Professor of Computer Science (2012 – Present)

Max P. and Robbie L. Watson Eminent Scholar Chair (2016 – Present)

Upchurch Endowed Professor, College of Engineering and Science (2006 – 2016)

Associate Professor of Computer Science (2007 – 2012)

Coordinator of IT Research (2005 – 2012)

Assistant Professor of Computer Science (2002 – 2007)

LOUISIANA STATE UNIVERSITY HEALTH SCIENCES CENTER, NEW ORLEANS, LA **2002**

Adjunct Faculty, Department of Ophthalmology (2003 – 2010)

Postdoctoral Researcher, Biological Computing and Visualization Center, Lions Research Laboratories (2002 – 2002)

LOUISIANA STATE UNIVERSITY, BATON ROUGE, LA **1998 – 2002**

Graduate Research and Teaching Assistant, Computer Science (2000 – 2002)

Graduate Assistant Systems and Database Administrator, Department of Computer Science, (1998 – 2000)

DIVERSITY, EQUITY & INCLUSION INITIATIVES

In my role as the:

- Associate Professor of Computer Science, I was the campus leader for the project titled the Minority Leaders Program (MLP), supported by the Air Force Research Laboratory (AFRL) for over 10 years. The program was built on a model where a non-HBCU institution researcher collaborates with an HBCU faculty and student researchers in a topical area of interest to a directorate at AFRL. The program slowly and successfully became an inclusion catalyst.
- Director of multiple academic programs in 2012, I:
 - appointed the first female faculty member in the history of the Computer Science program and consciously tried to ensure her success. That includes sending her to a "faculty internship" at CSRA (now General Dynamics Information Technology) to build experiential experience in agile programming.
 - hired the first African American lecturer in electrical engineering in 2013. He is now the program chair in the discipline.

- Associate Dean for Graduate Studies, with extensive outreach efforts to ensure that our goal of EDI was predominantly recognized, I successfully recruited a staff of two females, including one American Indian, chosen because they were most qualified for the job.
- Executive Associate Vice President, I have supported and invested in EDI efforts on campus by:
 - serving as a close confidant of and advisor to the President and supporting hiring the first Dean of Inclusion Initiatives and Student Success.
 - engaging consultants to help faculty recognize the need to include EDI elements in their research proposals- not as an afterthought but as an integral part of the design of the proposed endeavor.
 - organized the Transdisciplinary Health Applications Workshop (<https://bit.ly/3ziTHPw>) to ensure that the EDI issues were discussed as a core element of our growth strategy for interdisciplinary research on campus.

PUBLICATIONS

Published Books

1. **Data Mining and Machine Learning for Cybersecurity**, Sumeet Dua and Xian Du (authors), Auerbach Publications (CRC Press), 1st edition (April 25, 2011), Hardcover (256 pp.) ISBN: 978-1439839423.
2. **Data Mining in Biomedical Imaging, Signaling and Systems**, Sumeet Dua and Rajendra Acharya U. (Eds.), Auerbach Publications, 1st edition (May 16, 2011), Hardcover (384 pp.), ISBN: 1439839387.
3. **Computational Analysis of the Human Eye with Applications**, Sumeet Dua, Rajendra Acharya U., EYK Ng (Eds.), World Scientific Publishing, 1st edition (April 21, 2011), Hardcover 468 pp.) ISBN: 978-9814340298.
4. **Data Mining for Bioinformatics**, Sumeet Dua and Pradeep Chowriappa (authors), CRC Press; 1st edition (November 6, 2012); Hardcover (480 pp.), ISBN:0849328012; Translated into Simplified Chinese (2013).
5. **Machine Learning in Healthcare Informatics**, Sumeet Dua, Prerna Dua and Rajendra Acharya (Eds.), Springer Publishers, 1st Edition, 2014, X, 493 p. 119 illus., 50 illus. in color, ISBN 978-3-642-40016-2 (September 2013).

Refereed Journal Publications

1. T. H. Pham, V. Sree, J. Mapes, S. Dua, O. S. Lih, J. E. W. Koh, E. J. Ciaccio and U. R. Acharya, "A Novel Machine Learning Framework for Automated Detection of Arrhythmias in ECG Segments", *Journal of Ambient Intelligence and Humanized Computing*, Accepted for Publication (12/2020).
2. H. Mugasa, S. Dua, E. W. Koh, Y. Hagiwara, O. S. Lih, C. Madla, P. Kongmebol, H. Ng, and U R Acharya, "An Adaptive Feature Extraction Model for Classification of Thyroid Lesions in Ultrasound Images", *Pattern Recognition Letters*, Volume 131, March 2020, Pages 463-473.
3. N. J. Mapes, C. Rodriguez, P. Chowriappa and S. Dua, "Local Similarity Matrix for Cysteine Disulfide Connectivity Prediction from Protein Sequences", *IEEE/ACM Transactions on Computational Biology and Bioinformatics*, 2019 Jan 14. DOI: 10.1109/TCBB.2019.2892441. [Epub ahead of print]
4. N. J. Mapes, C. Rodriguez, P. Chowriappa and S. Dua, "Residue Adjacency Matrix Based Feature Engineering for Predicting Cysteine Reactivity in Proteins", *Computational and Structural Biotechnology Journal*, Volume 17, 2019, Pages 90-100
5. U R. Acharya, A. Akter, P. Chowriappa, S. Dua, U. Raghavendra, J.E.W. Koha, J. H. Tana, S. Leong, A. Vijayanathan, Y. Hagiwaraa, M.T.R. Hamidh, K. H. Ng," Use of nonlinear features for automated characterization of suspicious ovarian tumors using ultrasound images in fuzzy forest framework", *International Journal of Fuzzy Systems*, April 2018, Volume 20, Issue 4, pp 1385–1402.

6. U. R. Acharya, P. Chowriappa, H. Fujita, S. Bhat, S. Dua, J.E.W. Koh, L.W.J. Eugene, P. Kongmebhol and K.H. Ng, "Thyroid Lesion Classification in 242 Patient Population using Gabor Transform Features from High-Resolution Ultrasound Images", *Knowledge-Based Systems*, Vol. 107, 1 September 2016, Pages 235–245; DOI: 10.1016/j.knosys.2016.06.010
7. S. Ibrahim, P. Chowriappa, S. Dua, U.R. Acharya, K. Noronha, S. Bhandary and H. Mugasa, "Classification of diabetes maculopathy images using data-adaptive neuro-fuzzy inference classifier," *Medical & Biological Engineering & Computing*, Dec. 2015, Volume 53, Issue 12, pp 1345–1360.
8. P. Chowriappa, S. Dua, U.R. Acharya, and M. Krishnan, "Ensemble Selection for Feature-Based Classification of Diabetic Maculopathy Images," *Computers in Biology and Medicine* 2013 Dec; 43(12): 2156-62. PubMed PMID: 24290932.
9. S. Saini and S. Dua, "Temporal pattern mining for multivariate clinical decision support," *Studies in Health Technology and Informatics*, 2013; 192:1228. PMID: 23921002.
10. M. Jain, P. Dua, S. Dua, W. J. Lukiw, "Data Adaptive Rule-based Classification System for Alzheimer Classification", *Journal of Computer Science & Systems Biology* 6: 291-297 DOI: 10.4172/jcsb.1000124.
11. V. Nair and S. Dua, "Folksonomy Based Ad Hoc Community Detection in Online Social Networks," *Social Network Analysis and Mining*, Vol. 2, Issue: 4, 305-328 (December 2012).
12. S. Dua, X. Du, V. Sree, and T. Ahamed, "Novel Classification of Coronary Artery Disease Using Heart Rate Variability Analysis," *Journal of Mechanics in Medicine and Biology* Vol. 12, No. 4 (2012) 1240017 (19 pp).
13. S. Dua, U.R. Acharya, P. Chowriappa, and V. Sree, "Wavelet-Based Energy Features for Glaucomatous Image Classification," *IEEE Transactions on Information Technology in Biomedicine*, 16(1): 80-87 (2012).
14. M. P. Dessauer and S. Dua, "Optic Disk Detection Using Feature Clustering and Classification in Retinal Fundus Images," *Journal of Medical Imaging and Health Informatics*, vol. 1, no. 1, 56-60(5), March 2011.
15. U.R. Acharya, O. Faust, S.V. Sree, D.N. Ghista, S. Dua, P. Joseph, V.I. Ahamed, N. Janarthanan and T. Tamura, "An Integrated Diabetic Index Using Heart Rate Variability Signal Features for Diagnosis of Diabetes", *Computer Methods Biomechanics and Biomedical Engineering* 2013;16(2):222-34. DOI: 10.1080/10255842.2011.616945. Epub 2011 Oct 4.
16. X. Du, S. Dua, R. Acharya, and C.K. Chua, "Classification of Epilepsy Using High-Order Spectra Features and Principal Component Analysis," *Journal of Medical Systems*, 2012 Jun; 36(3):1731-43. DOI: 10.1007/s10916-010-9633-6. Epub 2011 Jan 11.
17. R. Acharya, S. Dua, X. Du, V. Sree, and C.K. Chua, "Automated Diagnosis of Glaucoma Using Texture and Higher-Order Spectra Features," *IEEE Trans. Information Technology in BioMedicine*, vol. 15, no. 3, 449-55, May 2011, PMID: 21349793.
18. S. Dua, S. Saini, and H. Singh, "Temporal Pattern Mining for Multivariate Time Series Classification," *Journal of Medical Imaging and Health Informatics*, vol. 1, no. 2, 164-169, June 2011.
19. X. Du and S. Dua, "Cancer Prognosis Using Support Vector Regression in Imaging Modality, World Journal of Clinical Oncology," *World Journal of Clinical Oncology*, vol. 2, no. 1, 44-9, Jan 2011. PMID: 21603313.
20. S. Dua, M. Dessauer, and P. Sethi, "Evaluating Cluster Preservation in Frequent Itemset Integration for Distributed Databases," *Journal of Medical Systems*, [Epub ahead of print] 1-9, May 2010. Available: <http://dx.doi.org/10.1007/s10916-010-9512-1>. PMID: 20703684.
21. S. Dua, N. Kandiraju, and P. Chowriappa, "Region Quad-Tree Decomposition-Based Edge Detection for Medical Images," *The Medical Informatics Journal*, vol. 4, 50-57, May 2010. PMID: 20694158.

22. X. Du and S. Dua, "Segmentation of Fluorescence Microscopy Cell Images Using Unsupervised Mining," *Medical Informatics Journal*, vol. 10, 41-9, May 2010. PMID: 21116323.
23. S. Dua, P. Chowriappa, and A. Alex, "Ranking through Integration of Protein-Similarity for Identification of Cell-Cyclic Genes," *Int. J. Bioinformatics Res. Appl.*, vol. 6, no. 2, 179-190, 2010. PMID: 20223739.
24. S. Dua and P. Kidambi, "Protein Structural Classification Using Orthogonal Transformation and Class-Association Rules," *Int. Journal of Data Mining and Bioinformatics*, vol. 4, no. 2, 175-190, 2010. PMID: 20423019.
25. S. Dua, H. Singh, and H.W. Thompson, "Associative Classification of Mammograms using Weighted Rules," in *Expert Syst. Appl.* 36, July 2009, pp. 2250-2259, doi= <http://dx.doi.org/10.1016/j.eswa.2008.12.050>. PMID: 20160889.
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27. S. Dua and S.S. Iyengar, "Advances in Medical Signal Processing," *IMIA Yearbook of Medical Informatics*, Stuttgart, Germany: Schattauer Publishers, 2004.
28. R. Acharaya, S.P. Bhat, S. Dua, S.S. Iyengar, and A. Rao, "Classification of Heart Rate Data Using Artificial Neural Network and Fuzzy Equivalence Relation," *Pattern Recognition*, vol. 36, no. 1, 61-68, 2003. doi:10.1016/S0031-3203(02)00063-8.

Refereed Conference Proceedings

1. N. Mapes, A. White, R. Medury and S. Dua, "Divisive Language and Propaganda Detection using Multi-head Attention Transformers with Deep Learning", Proceedings of the Second Workshop on Natural Language Processing for Internet Freedom: Censorship, Disinformation, and Propaganda, Association for Computational Linguistics, November 3-7 2019, Hong Kong. [1st Prize Winner, Shared Task on Fine-Grained Propaganda Detection @NLP4IF 2019 SLC category: <https://propaganda.qcri.org/nlp4if-shared-task/index.html>].
2. R. Appiah and S. Dua, "Tracking Feature Relevance with the Plaid Model in Continuously Changing Datasets" 2nd International Conference on Knowledge Engineering and Applications (ICKEA2017), October 21-23, 2017.
3. V. Jaitly, P. Chowriappa, and S. Dua, "A Framework to Identify Influencers in Signed Social Networks," 5th International Conference on Advances in Computing, Communications and Informatics (ICACCI), September 21-24, 2016.
4. P. Chowriappa and S. Dua, "Capturing Hydrophobic Moment using Spectral Coherence for Protein Secondary Structure Prediction," 2013 IEEE Symposium on Computational Intelligence in Bioinformatics and Computational Biology (IEEE CIBCB 2013) April 15-19, 2013.
5. S. Dua and A. Olomola, "Functional Model Discovery from Gene Expression Time Series using Markov Models," 16th Annual International Conference on Research in Computational Molecular Biology (RECOMB-2012), April 21-24, 2012.
6. S. Dua, "Associative Learning based Intrusion Detection using Sensor Prioritization and Fusion", Integrated Communications, Navigation, and Surveillance Conference (ICNS), 2011, May 10-12, 2011.
7. S. Saini and S. Dua, "A Grid-Based Scalable Classifier for High Dimensional Datasets," in *Proc. of Information Systems, Technology, and Management, ser. Communications in Computer and Information Science* 54, Berlin, Heidelberg, 2010, pp. 404-415.
8. M. Dessauer and S. Dua, "Low-Resolution Vehicle Tracking using Dense and Reduced Local Gradient Features Maps," in *Proc. SPIE* 7694, Orlando, FL, April 7, 2010, pp. 76941I-76941I-8.
9. M. Dessauer and S. Dua, "Wavelet-Based Optical Flow Object Detection, Motion Estimation, and Tracking of Moving Vehicles," in *Proc. SPIE* 7694, Orlando, FL, April 7, 2010, pp. 76941J-76941J-10.

10. M. Dessauer and S. Dua, "Discriminative Features and Classification Methods for Accurate Classification," in *Proc. SPIE 7704*, Orlando, FL, April 7, 2010, pp. 7704-77040L-14.
11. M. Dessauer and S. Dua, "Multi-Scale Graph-Theoretic Image Segmentation Using Wavelet Decomposition," in *Proc. SPIE 7704*, Orlando, FL, April 7, 2010, pp. 77040N-77040N-9.
12. X. Du and S. Dua, "Salient Frame Extraction Using Support Vector Regression and Motion Features," in *Proc. of the IEEE 2010 National Aerospace and Electronics Conference (NAECON 2010)*, Fairborn, OH, 2010, pp. 122-125.
13. M. Dessauer, J. Hitchins, and S. Dua, "GPU-Enabled High-Performance Feature Modeling for ATR Applications," in *Proc. of the IEEE 2010 National Aerospace and Electronics Conference (NAECON 2010)*, Fairborn, OH, pp. 92-98.
14. H. Singh, P. Chowriappa, and S. Dua, "Multi-Domain Protein Family Classification Using Isomorphic Inter-Property Relationships," in *Communications in Computer and Information Science, Contemporary Computing 40*, Berlin, Heidelberg: Springer Berlin Heidelberg, 2009, pp. 473-484. Available DOI: 10.1007/978-3-642-03547-0_45.
15. A. Olomola and S. Dua, "Bi-Clustering of Gene Expression Data Using Conditional Entropy, in Pattern Recognition in Bioinformatics," in *Lecture Notes in Computer Science 5780*, Berlin, Heidelberg: Springer Berlin Heidelberg, 2009, pp. 244-254. Available: http://dx.doi.org/10.1007/978-3-642-04031-3_22.
16. S. Dua and S. Saini, "Data Shrinking Based Feature Ranking for Protein Classification," in *Proc. of Information Systems, Technology, and Management: Communications in Computer and Information Science*, Berlin, Heidelberg: Springer Berlin Heidelberg, vol. 31, part 3, pp. 54-63, 2009. Available: http://dx.doi.org/10.1007/978-3-642-00405-6_10.
17. S. Dua and P. Chowriappa, "Prediction of Enzyme Classes using Spectral Based AA Information," in *Proc. of 12th Information Conf. Information Technology*, Bhubaneshwar, Dec. 21-23, 2009.
18. S. Dua and H. Singh, "Association Rule-Based Feature Extraction for Character Recognition, in Information Systems," in *Information Systems, Technology, and Management: Communications in Computer and Information Science*, Berlin, Heidelberg: Springer Berlin Heidelberg, vol. 31, part 12, ch. 10, 2009, pp. 362-364. Available: <http://dx.doi.org/> DOI: 10.1007/978-3-642-00405-6_48.
19. D. Cahoy, K. Crump, and S. Dua, "Exploratory Data Mining and Data Requirements to Support ToxCast Goals," *Proc. of ToxCast™ Data Analysis Summit*, Transforming Toxicity Testing From In Vivo to In Vitro: A Computational Toxicology Challenge, Research Triangle Park, NC, May 14-15, 2009.
20. S. Dua and P. Chowriappa, "ProteinMaps: Integration of Physico-Chemical Properties for Functional Annotation of Proteins," in *Proc. of 7th Asia Pacific Bioinformatics Conf.*, January 13-16, 2009.
21. S. Dua and P. Srinivasan, "A Non-Voxel Based Feature Extraction to Detect Cognitive States in fMRI," in *Proc. of the 30th Annu. Int. Conf. IEEE Engineering in Medicine and Biology Society*, August 20-25, 2008. PMID: 19163697.
22. A. Alex, S. Dua, and P. Chowriappa, "Gene Ranking through the Integration of Synchronization Experiments," in *Proc. of IEEE Conf. Computational Intelligence in Bioinformatics and Bioengineering*, Sun Valley, ID, September 15-17, 2008, pp. 136-142.
23. S. Dua and K. S. Sabnis, "Wavelets-Based Dimensionality Reduction for Gene Expression Feature Extraction," in *Proc. of the Biotechnology and Bioinformatics Symposium (BIOT-2008)*, 2008, p. 10.
24. S. Dua and P. Srinivasan, "A Non-Voxel Based Feature Extraction to Detect Cognitive States in fMRI," in *Proc. of the IEEE 30th Annu. Int. Conf. Engineering in Medicine and Biology Society*, 2008, pp. 4431-4434.
25. S. Dua, V. Jain, and H. W. Thompson, "Patient Classification Using Association Mining of Clinical Images," in *Proc. of 5th IEEE Int. Symp. Biomedical Imaging: From Nano to Macro*, May 14-17, 2008, pp. 253-256.

26. S. Dua, S. Lakhani, and H.W. Thompson, "Structural Classification Using Mining of Frequent Patterns in Concave Protein Surfaces," in *Proc. Int. Conf. on Research in Computational Molecular Biology (RECOMB-08)*, 2008 [Best Poster Presentation Award].
27. S. Dua, P. Chowriappa, and A. Alex, "Isomorphic Mining of Gene Relationships for Integrated Discovery," in *The Fifth Annu. Conf. MidSouth Computational Biology and Bioinformatics Society (MCBIOS-2008)*, 2008.
28. S. Dua, P. Chowriappa, and R. Rajagopalan, "Novel Protein Structural Classification by Discovering Coherence in Hydrophobicity Scales," *Proc. of Annual Meeting of International Society of Computational Biology (ISCB-2006)*, Fortaleza, Brazil, August 6-10, 2006.
29. S. Dua and P.C. Kidambi, "Protein Structural Classification Using Associative Discrimination of Orthonormal Coefficients," 3Dsig: The 2nd Structural Bioinformatics and Computational Biophysics Meeting, *International Society of Computational Biology*, 2006.
30. S. Dua and S. Pothireddy, "Discovery and Modelling of Active Metabolic Paths Using Markov Models and Petri Nets," in *Proc. 23rd 26th Annu. Houston Conf. Biomedical Engineering Research*, 2006.
31. M. Balasubramanian, L.A. Perkins, S. Iyengar, S. Dua, and D. Kraft, "Evidence Combination for Traffic Adaptive Routing," in *Proc. 18th Int. Conf. Systems Engineering (IEEE Computer Society)*, December 27, 2005, pp. 355-362. DOI: 10.1109/ICSENG.2005.40.
32. S. Dua, K. Sabnis, and H. Singh, "Computational Identification of Gene Markers from Gene Expressions using Novel Dimensionality Reduction Schema," *Proc. of 8th Annu. Conf. Computational Genomics*, Massachusetts Institute of Technology, Cambridge, Nov. 9-12, 2005.
33. R. Clowers and S. Dua, "A New Approach for Fast Indexing of Hyperspectral Image Data for Knowledge Retrieval and Mining," in *Proc. SPIE 5999*, Boston, MA, October 24, 2005, pp. 142-150.
34. S. Dua and V. Mannava, "Towards Integrating Text and Images for Multimedia Retrieval in Heterogeneous Data Mining," in *Proc. SPIE 6015*, October 24-26, 2005, pp. 365-376.
35. S. Dua, N. Kandiraju, and H.W. Thompson, "Design and Implementation of a Unique Blood-Vessel Detection Algorithm towards Early Diagnosis of Diabetic Retinopathy," in *Proc. of IEEE Int. Conf. Information Technology: Coding and Computing (ITCC'05)*, April 4-6, 2005, pp. 26-31.
36. S. Dua, N. Kandiraju, and S.A. Conrad, "Dihedral Angle Based Dimensionality Reduction for Protein Structural Comparison," in *Proc. of IEEE Int. Conf. Information Technology: Coding and Computing (ITCC'05)*, April 4-6, 2005, pp. 14-19.
37. S. Dua and N. Kandiraju, "Novel Fast Structural Classification of Proteins using Dihedral-Angle Pairs," in *Proc. 7th Int. Conf. Information Technology*, 2004.
38. S. Dua and V. Jain, "Fast Associative-Rule Discovery-Based Similarity Search in 3D Models," in *Proc. SPIE 5605*, 2004, pp. 130-138.
39. S. Dua, N. Kandiraju, and A. Rajopadhye, "Preferential Coverage-Based Efficient Sensor Placement in Distributed Sensor Networks," in *Proc. SPIE 5605*, 2004, pp. 139-146. DOI: 10.1117/12.569900.
40. S. Dua and N. Kandiraju, "A Novel Computational Framework for Structural Classification of Proteins using Local Geometric Parameter Matching," in *Proc. 2004 IEEE Computational Systems Bioinformatics Conf.*, 2004, pp. 710-711. DOI: 10.1109/CSB.2004.18.
41. S. Dua, "A Novel Computational Paradigm towards Fast Similarity Search for Data Mining in Hydrological Data," *Proc. Int. Conf. Water and Environment (WE-2003)*, Bhopal, India, Dec. 15-18, 2003.
42. P. Sethi, S. Dua, R.W. Beuerman, M. Hartnett, "Real-Time Indexing of Retinal Images for Data Mining and Content-Based Image Retrieval Applications," *Proc. of The Association for Research in Vision and Ophthalmology 2003 Annu. Conf.*, Fort Lauderdale, FL, May 4-9, 2003.
43. S. Dua, S.S. Iyengar, and E.C. Chow, "Discovery of Web Frequent Patterns and User Characteristics from Web Access Logs: A Framework for Dynamic Web Personalization," in *Proc. of IEEE Symp.*

Application-Specific Systems and Software Engineering Technology (ASSET 2000), March 24-25, 2000, pp. 3-8.

44. S. Dua, Z. Chen, S.S. Iyengar, and J. Barhen, "A TRUST Approach to Solve Global Optimization Problems for Continuous Functions," *Proc. Int. Conf. Information Technology*, Bhubaneshwar, India, 1999.

Patents

1. S. Dua and R. Beuerman; "A Method to Stabilize a Moving Image," US Patent # 7359563, April 2008.
2. K. Chow, S. Dua, B. Tiaden; "A Business Process, Method, and Apparatus to Determine Geographical Locations for IP Addresses," US Patent# 20020143991; July 2000.

Research Abstracts

1. M. Karnik, P. Chowriappa, S. Dua, "Categorizing short reads to detect metagenome communities: A Big Data Approach," 3rd Annual Graduate Student Research Conference in Engineering and Science, Louisiana Tech University, October 30, 2013.
2. M. Karnik, S. Dua, P. Chowriappa, "Higher-order feature selection technique in evolving ad-hoc social communities," 2nd Annual Graduate Student Research Conference in Engineering and Science, Louisiana Tech University, October 18, 2012.
3. R. Appiah, S. Dua, P. Chowriappa, "Module factorizability-based approach to Diabetic Maculopathy image classification using textural features," 2nd Annual Graduate Student Research Conference in Engineering and Science, Louisiana Tech University, October 18, 2012.
4. K. Shukla, S. Dua, and P. Dua, "Effect of transformations on the responsive distribution and gene selection," 2nd Annual Graduate Student Research Conference in Engineering and Science, Louisiana Tech University, October 18, 2012.
5. A. Weber, S. Dua, "An unsupervised approach using MED to effectively identify outlier genes for Alzheimer's disease," 2nd Annual Graduate Student Research Conference in Engineering and Science, Louisiana Tech University, October 18, 2012.
6. S. Dua, "Associative Learning based Intrusion Detection using Sensor Prioritization and Fusion," *Proc. of ICNS 2011 - Integrated Communications, Navigation, and Surveillance Conference: Renovating the Global Air Transportation System*, Proceedings 2011, Article number 5935373, 51pp, Herndon, VA; May 10-12, 2011.
7. P. Chowriappa, V. Nair, S. Dua, H.W. Thompson, "Enhanced Physico-Chemical Property Analysis Tool for Protein Domain Conservation," NSF EPSCoR Research Infrastructure Improvement Annu. Meeting, Baton Rouge, LA, August 15-16, 2010.
8. H. Singh, S. Dua, S. Saini, H.W. Thompson, E. Richter, "Temporal Pattern Tracking for Multivariate Time Series Mining," NSF EPSCoR Research Infrastructure Improvement Annu. Meeting, Baton Rouge, LA, August 15-16, 2010.
9. X. Du, M. Dessauer, S. Dua, and H.W. Thompson, "Time Series Discord Detection for Time-Biased Reduction Framework," NSF EPSCoR Research Infrastructure Improvement Annu. Meeting, Baton Rouge, LA, August 15-16, 2010.
10. X. Du, S. Dua, and H.W. Thompson, "A Segmentation Framework for Rule-Based Algorithmic Image Classification System," NSF EPSCoR Research Infrastructure Improvement Annu. Meeting, Baton Rouge, LA, August 15-16, 2010.
11. X. Du, S. Dua, and M. DeCoster, "Salient Frame Selection-Based Feature Extraction for AIMS," NSF EPSCoR Research Infrastructure Improvement Annu. Meeting, Baton Rouge, LA, August 15-16, 2010.
12. R. Masvekar, J. McNamara, X. Du, A. Kunjumon, D. Green, S. Dua, D. Davis, and M. DeCoster, "Glial

- Cell Interfaces: Using Micro- and Nano-patterning for Brain Tumor Studies," American Society of Cell Biology/Japan Society of Cell Biology/RIKEN CDB Meeting, Kyoto, Japan, September 21-23, 2009.
13. X. Du, R. Alapati, S. Dua, R. Devireddy, and D. Moldovan, "Dimensionality Reduction Techniques to Improve Real-Time Analysis of Molecular Dynamics Simulations," NSF EPSCoR Research Infrastructure Improvement Annu. Meeting, Baton Rouge, LA, May 11, 2009.
 14. X. Du, S. Kanakamedala, S. Dua, J. Fang, and M.A. DeCoster, "Quantitative Performance Evaluation of Micromixers," NSF EPSCoR Research Infrastructure Improvement Annu. Meeting, Baton Rouge, LA, May 11, 2009.
 15. P. Chowriappa, C. Clement, S. Dua, J. Hill, H.W. Thompson, and D. Neumann, "Physico-Chemical Property Analysis Tool for Assessment of Protein Domain Conservation," NSF EPSCoR Research Infrastructure Improvement Annu. Meeting, Baton Rouge, LA, May 11, 2009.
 16. P. Chowriappa, S. Dua, and H.W. Thompson, "Predicting Conformational Changes in Proteins Based on Hydrophobic Cores," NSF EPSCoR Research Infrastructure Improvement Annu. Meeting, Baton Rouge, LA, May 11, 2009.
 17. A.E. Alex, S. Dua, P. Chowriappa, and H.W. Thompson, "An Information Fusion Tool for Feature Integration in Synchronized Environments," NSF EPSCoR Research Infrastructure Improvement Annu. Meeting, Baton Rouge, LA, May 11, 2009.
 18. H. Singh, S. Dua, and H.W. Thompson, "Weighted Rule-Based Algorithmic Tool for Image Classification," NSF EPSCoR Research Infrastructure Improvement Annual Meeting, Baton Rouge, LA, May 11, 2009.
 19. S. Saini and S. Dua, "Algorithmic Tools for Adaptive Data Partitioning and Its Applications," NSF EPSCoR Research Infrastructure Improvement Annu. Meeting, Baton Rouge, LA, May 11, 2009.
 20. X. Du, S. Dua, and M.A. DeCoster, "Quantitative Characterization of Brain Tumor Growth Using Geometric Analysis," NSF EPSCoR Research Infrastructure Improvement Annu. Meeting, Baton Rouge, LA, May 11, 2009.
 21. X. Du, V. Amatya, M.M. Patil, B. Thomas, S. Shakya, R.V. Singaravelu, G.R. Kondam, S. Dua, and G. Allen, "Performance Evaluation Measures for Unsupervised Clustering," NSF EPSCoR Research Infrastructure Improvement Annu. Meeting, Baton Rouge, LA, May 11, 2009.
 22. R. Rajagopalan and S. Dua, "Computational Approach to Multi-Class Protein Fold Recognition," BioResearch Day, Shreveport, LA, May 1, 2006.
 23. S. Dua and S.H. Pothireddy, "Discovery of Active Metabolic Paths Using Association Rules," Louisiana Biomedical Research Network Annu. Meeting, Baton Rouge, LA, February 9-11, 2006.
 24. S. Dua and P. Chowriappa, "Computational Approach to Multi-Class Protein Fold Recognition using Hydrophobicity," Louisiana Biomedical Research Network Annu. Meeting, Baton Rouge, LA, February 9-11, 2006.
 25. S. Dua, "Novel Gene Expression Data Mining for Medical Discovery," North Louisiana Partnership in Innovation (NLPI) Bio Research Day, Shreveport, LA, April 14, 2005.
 26. S. Dua, V. Jain, Y. Long, and H.W. Thompson, "An Efficient Algorithmic Paradigm for Clinical Image Classification and Knowledge Integration in Distributed Databases," NIH BECON/BISTIC 2004 Symposium on 'Biomedical Informatics for Clinical Decision Support: A Vision for the 21st Century,' Bethesda, Maryland, June 21-22, 2004.
 27. H.W. Thompson, S. Coopender, J. Reynaud, R. Beuerman, and S. Dua, "Image Data Management and Clinical Decision Support System for Expedited Ophthalmic Care Delivery," NIH BECON/BISTIC 2004 Symposium on 'Biomedical Informatics for Clinical Decision Support: A Vision for the 21st Century,' Bethesda, Maryland, June 21-22, 2004.
 28. S. Dua and N. Kandiraju, "A Novel Edge Detection Technique for Medical Images," CIBI 2nd Bioinformatics Research Symposium, Shreveport, LA, April 2-3, 2004.

29. S. Dua and V. Mannava, "Integrating Image and Text for Heterogeneous Data Mining in Biomedical Informatics," CIBI 2nd Bioinformatics Research Symposium, Shreveport, LA, April 2-3, 2004.
30. S. Dua and R.W. Beuerman, "Image Stabilization for Real-Time Clinical Confocal Microscopy," Association for Research in Vision and Ophthalmology 2003 Annu. Conference, Fort Lauderdale, FL, May 4 – May 9, 2003.
31. S. Dua, "Data Mining Technique for Whole Matching of Unequal Sequences in Large Time-Series Datasets," (Abstract), First CERT Biomedical Informatics Symposium, Shreveport, LA, November 5, 2002.
32. S. Dua and V. Jain, "A Unique Fast Algorithm for Real-Time Indexing of Clinical Images for Data Mining Applications," (Abstract), First CERT Biomedical Informatics Symposium, Shreveport, LA, November 5, 2002.
33. S. Dua, S.S. Iyengar, S. Robertson, P. van Wamelon, A. Chidige, N. Vakamudi, and A. Palkama, "Modeling Aqueous Humor Flow in the Anterior Chamber of the Rabbit Eye," (Poster Abstract), Association of Research in Vision and Ophthalmology Annu. Con., Fort Lauderdale, FL, May 2002.
34. S. Dua, "An Approach to Index the Protein Data Bank to Detect Similar Folding Motif Pairs," NSF-EPSCoR Con., Baton Rouge, LA, April 10-11, 2002.

Book Chapters

1. Dua, S., Iyengar, S. (2017). Managing Spatio-Temporal Data, in Handbook of Data Structures, In Sartaj Sahni, Dinesh Mehta (Ed.), CRC Press (2nd Edition)
2. S. Dua, P. Chowriappa, "Characterizing Dynamic Group Behavior in Social Networks for Cybernetics" in Data Analysis for Network Cyber-Security, 2014. pp. 105-128, ISBN: 978-1-78326-374-5.
3. P. Chowriappa, S. Dua, Y. Todorov, "Introduction to Machine Learning in Healthcare Informatics", in Machine Learning in Healthcare Informatics. Springer, 2013.
4. X. Du, S. Dua, "Feature Extraction Methods in Biomedical Signaling and Imaging," In Data Mining in Biomedical Signaling and Imaging. New York: CRC Press, 2011, 22 pp. ISBN: 9781439839386.
5. X. Du and S. Dua, "Supervised and Unsupervised Learning Methods in Biomedical Signaling and Imaging," In Data Mining in Biomedical Signaling and Imaging. New York: CRC Press, 2011, 24 pp. ISBN: 9781439839386.
6. H. Singh and S. Dua, "Supervised Classification of Mammograms," In Data Mining in Biomedical Signaling and Imaging. New York: CRC Press, 2011, 33 pp. ISBN: 9781439839386.
7. M. Dessauer and S. Dua, "Computational Methods for Feature Detection in Optical Images," In Computational Analysis of the Human Eye with Applications. Singapore: World Scientific Press, 2011, 48 pp. ISBN: 9789814340298.
8. R. Acharya, O. Faust, S.J. Hong, T. Yang, P. Lai, K. Choo, and S. Dua, "Computer-Aided Diagnosis of Diabetic Retinopathy Stages Using Digital Fundus Images," In Computational Analysis of the Human Eye with Applications. Singapore: World Scientific Press, 2011, 18 pp. ISBN: 9789814340298.
9. S. Dua and M. Jain, "Computational Decision Support Systems and Diagnostic Tools in Ophthalmology: A Schematic Survey," In Computational Analysis of the Human Eye with Applications. Singapore: World Scientific Press, 2011, 34 pp. ISBN: 9789814340298.
10. H. Singh and S. Dua, "Supervised Classification of Mammograms using Association Rules," In Performance Evaluation of Breast Imaging and Tumor Analysis, Singapore: American Scientific Publishers, 2010. 17 pp. ISBN: 1-58883-156-6.
11. S. Dua and S. Iyengar, "Managing Spatio-Temporal Data," In Handbook of Data Structures and Applications, New York: CRC Press, 2004. 20 pp. ISBN: 9781584884354.

Conference Proceedings Volume Editorship

1. Computing, Analytics, and Networks, First International Conference, ICAN 2017, Chandigarh, India, October 27-28, 2017, Revised Selected Papers; Proceedings Series: Communications in Computer and Information Science; Rajnish Sharma, Archana Mantri, Sumeet Dua (Eds.); Springer 1st ed. 2018 edition; ISBN: 978-9811307546.
2. Information Systems, Technology, and Management, ICISTM 2012, Grenoble, France, March 28-30, 2012; Proceedings Series: Communications in Computer and Information Science, Vol. 285; Sumeet Dua, Aryya Gangopadhyay Parimala Thulasiraman Umberto Straccia Michael Shepherd Benno Stein (Eds.); 1st Edition, 201, Volume 285, ISBN 978-3-642-29165-4.
3. Information Intelligence, Systems, Technology, and Management International Conference, ICISTM 2011, Gurgaon, India, March 10-12, 2011. Proceedings Series: Communications in Computer and Information Science, Vol. 141; Sumeet Dua, Sartaj Sahni, D.P. Goyal (Eds.); Springer 1st Edition., 2011, XVI, 368 p., Softcover ISBN: 978-3-642-19422-1.
4. Contemporary Computing: Second International Conference, IC3 2010, Noida, India, August 9-11, 2010. Proceedings, Part I (Communications in Computer and Information Science) [Paperback]; Sanjay Ranka, Arunava Banerjee, Kanad Kishore Biswas, Sumeet Dua, Prabhat Mishra, Rajat Moona, Sheung-Hung Poon, Cho-Li Wang (Eds.), 637 pp., Springer; ISBN: 3642148336.
5. Contemporary Computing: Second International Conference, IC3 2010, Noida, India, August 9-11, 2010. Proceedings, Part II (Communications in Computer and Information Science) [Paperback]; Sanjay Ranka, Arunava Banerjee, Kanad Kishore Biswas, Sumeet Dua, Prabhat Mishra, Rajat Moona, Sheung-Hung Poon, Cho-Li Wang (Eds.), 299 pp., ISBN: 3642148247
6. Contemporary Computing: Second International Conference, IC3 2009, Noida, India, August 17-19, 2009. Proceedings (Communications in Computer and Information Science) [Paperback], Sanjay Ranka (Editor), Srinivas Aluru, Rajkumar Buyya, Yeh-Ching Chung, Sumeet Dua, Sandeep Gupta, Ananth Grama, Rajeev Kumar, Vir V. Phoha. Paperback: 662 pages, Springer; 1st edition (September 10, 2009); ISBN-10: 3642035469

PRESENTATIONS

1. Invited Speaker, Bennett University, Greater Noida, India, July 14, 2023.
2. Invited Speaker, Jaypee Institute of Information Technology, Noida, India, July 13, 2023.
3. Keynote Speaker, STRIKEWERX First Friday: Data Analytics, April 9, 2021.
4. Keynote Speaker, International Symposium on Bioinformatics and Artificial Intelligence in Covid-19 era and beyond, November 23, 2020.
5. Invited Speaker, Louisiana Gaining Early Awareness and Readiness for Undergraduate Program (LA GEARUP), July 16, 2020.
6. Guest Speaker, Armed Forces Communication and Electronic Association ArkLaTex Chapter Lunch & Learn meeting, May 20, 2020.
7. Invited Speaker, Sherwood Middle Magnet, Baton Rouge, LA sponsored by the Louisiana Board of Regents Speaking of Science Program, January 31, 2020.
8. Invited Speaker, Lee Magnet High School, Baton Rouge, LA sponsored by the Louisiana Board of Regents Speaking of Science Program, January 31, 2020.
9. Keynote Speaker, 8th International Conference and 24th Annual Conference of Gwalior Academy of Mathematical Sciences on Mathematical and Computational Data Science with Applications (ICGAMS-2K19), Bhopal, India, December 14, 2019.
10. Invited Speaker, Louisiana Elementary Math Olympiad, Baton Rouge, LA sponsored by the Louisiana

Board of Regents Speaking of Science Program, November 2, 2019.

11. Invited Speaker, Cyber Research for Empowering Women Experimenters (CREWE) Workshop, sponsored by Google, March 5, 2019.
12. Louisiana Board of Regents Speaker, Runnels Independent School, LA, February 25, 2019.
13. Louisiana Board of Regents Speaker, Alton School, Slidell, LA, February 5, 2019.
14. Plenary Speaker, IEEE-Sponsored International Conference on Machine Learning and Data Science (ICMLDS-18), Hyderabad, India, December 21-22, 2018.
15. Louisiana Board of Regents Speaker, STEM Day, Glenbrook School, Minden, LA, December 6, 2018.
16. Invited Speaker, The Cyber: Job Creation and Elimination, National Cyber Research Park, Bossier City, November 14, 2018.
17. Invited Speaker, Universities of Louisiana Management and Leadership Institute, November 13, 2018.
18. Louisiana Board of Regents Speaker, STEM Day, Bunche School, Metairie, LA, November 9, 2018.
19. Keynote Speaker, TEQIP Faculty Development Workshop, Shree Mata Vaishno Devi University, Katra, India, August 6, 2018.
20. Louisiana Board of Regents Speaker, STEM Day, St. Catherine of Siena School, Metairie, LA, April 4, 2018.
21. Plenary Speaker, Fifth International Conference on Transformations in Engineering Education (ICTIEE'18), Greater Noida, India, January 5, 2018.
22. Invited Speaker, Paulina Elementary School's Winter Fest, Paulina, LA sponsored by the Louisiana Board of Regents Speaking of Science Program, December 20, 2017.
23. Invited Speaker, North Louisiana Chronic DiseaseRx Collaborative Network (NLCDCN), Arcadia, LA, December 13, 2017.
24. Invited Speaker, Louisiana Elementary Math Olympiad, Baton Rouge, LA sponsored by the Louisiana Board of Regents Speaking of Science Program, November 11, 2017.
25. Invited Speaker, Universities of Louisiana Management and Leadership Institute, October 17, 2017.
26. Invited Speaker, International Symposium on Sensor Networks, Systems, and Security (ISSNSS), Lakeland, FL, September 1, 2017.
27. Louisiana Board of Regents Speaker, STEM Day, St. Catherine of Siena School, Metairie, LA, April 10, 2017.
28. Invited Speaker, North Louisiana Health Data Analytics Conference, Willis-Knighton Innovation Center, Bossier City, March 10, 2017.
29. Invited Speaker, Amity University, Gurgaon, India, July 25, 2016.
30. Louisiana Board of Regents Speaker, St. James Parish STEM Camp, Nichols State University, Thibodaux, LA, June 1, 2016.
31. Louisiana Board of Regents Speaker, Haughton High School, Haughton, LA sponsored by the Louisiana Board of Regents Speaking of Science Program, February 10, 2016.
32. Louisiana Board of Regents Speaker, Jewel M. Sumner High School, Kentwood, LA sponsored by the Louisiana Board of Regents Speaking of Science Program, January 22, 2016.
33. Louisiana Board of Regents Speaker, Louisiana Elementary Math Olympiad, Baton Rouge, LA sponsored by the Louisiana Board of Regents Speaking of Science Program, November 7, 2015.
34. Keynote Speaker, International Conference on Inter-Disciplinary Research in Engineering Management, Pharmacy and Science (ICIREMPS), Bhopal, India, February 19, 2015.
35. Keynote Speaker, CenturyLink Graduate Certificate in Communication Systems Graduation

- Ceremony, CenturyLink Corporate Office, LA, December 2, 2014.
36. Invited Speaker, International Institute of Health Management Research, New Delhi, India, July 10, 2014.
 37. Louisiana Board of Regents Speaker, DeRidder High School, DeRidder, LA, sponsored by the Louisiana Board of Regents Speaking of Science Program, March 28, 2014.
 38. Seminar Speaker, Louisiana State University Health Sciences Center at Shreveport, Department of Biochemistry and Molecular Biology, February 13, 2014.
 39. Louisiana Board of Regents Speaker, Neville High School, Monroe, LA, sponsored by the Louisiana Board of Regents Speaking of Science Program, December 3, 2013.
 40. Keynote Speaker, 3rd Annual College of Engineering and Science Graduate Student Council Graduate Students Conference, Louisiana Tech University, October 30, 2013.
 41. Invited Speaker, Malla Reddy Institute of Engineering and Technology, Andhra Pradesh, India, July 15, 2013.
 42. Invited Speaker, Workshop on Data Analysis for Cybersecurity, Organized/Supported by the University of Bristol and Imperial College, London, U.K., March 26, 2013.
 43. Invited Panel Speaker, Panel: The future of multi-institution bioinformatics in Louisiana, 6th LBRN BBC Workshop on Computational Biology, Louisiana Cancer Research Center February 22, 2013.
 44. Louisiana Board of Regents Speaker, Christ the King School, Terrytown, LA, sponsored by the Louisiana Board of Regents Speaking of Science Program, February 1, 2013.
 45. Colloquium Speaker, Tulane University, Title: Protein Classification using Feature Extraction and Fusion from Hydrophobicity Scales, October 25, 2012.
 46. Keynote Speaker, International Conference on Information Management in the Knowledge Economy (IMKE - 2012), Title: Spatio-temporal Data Mining using Isomorphic Discovery, July 16, 2012.
 47. Louisiana Board of Regents Speaker, Live Oak Elementary, Lafayette, LA, sponsored by the Louisiana Board of Regents Speaking of Science Program, May 16, 2012.
 48. Louisiana Board of Regents Speaker, Princeton Elementary, Princeton, LA, sponsored by the Louisiana Board of Regents Speaking of Science Program, April 30, 2012.
 49. Louisiana Board of Regents Speaker, DeRidder High School, DeRidder, LA, sponsored by the Louisiana Board of Regents Speaking of Science Program, January 10, 2012.
 50. Invited Speaker, 2011 Cyber Engineering Conference, Shreveport, LA, November 7, 2011.
 51. Keynote Speaker, Main Stream Enabling Computing Technologies Awareness and Training: Multi-disciplinary Informatics, Silpakorn University, Petchaburi, Thailand, August 11, 2011.
 52. Keynote Speaker, Workshop on "Trends, Technologies, and Collaboration: The Mainstream Enabling Computing Technologies Awareness and Training: Medical IT/Science, Bangkok, Thailand, August 8, 2011.
 53. Invited Speaker, Workshop on Green, Safe and Smart Practices in Healthcare, New Delhi, India, July 2011.
 54. Invited Speaker, Integrated Communications, Navigation, and Surveillance Conf.: Renovating the Global Air Transportation System, Washington DC, May 10, 2011.
 55. Louisiana Board of Regents Speaker, DeRidder High School, DeRidder, LA, sponsored by the Louisiana Board of Regents Speaking of Science Program, April 14, 2011.
 56. Invited Speaker, LSU-HSC School of Public Health Biostatistics Seminar Series, March 28, 2011.
 57. Keynote Speaker, 5th International Conference on Information Systems, Technology and Management, March 11, 2011.

58. Invited Speaker, University of North Carolina (UNC) Biomedical Research Imaging Center, December 10, 2010.
59. Speaker, "Robust Data Mining and Fusion CyberTools For Knowledge Discovery," Louisiana Optical Network Initiative/Louisiana Alliance for Simulation-Guided Materials Applications (LA-SiGMA) Seminar Series, September 16, 2010.
60. Colloquium Speaker, Center for Advanced Computing Studies, the University of Louisiana at Lafayette, Lafayette, LA, January 30, 2009.
61. Invited Speaker, Department of Computer Science, Thammasat University, Thailand, January 8, 2009.
62. Invited Speaker, National Science and Technology Development Agency, Ministry of Science and Technology, Thailand, January 7, 2009.
63. Invited Speaker, Faculty of Medical Technology, Mahidol University, Bangkok, Thailand, January 5, 2009.
64. Colloquium Speaker, Center for Computation and Technology, Louisiana State University, Baton Rouge, LA, December 12, 2008.
65. Louisiana Board of Regents Speaker, Louisiana School of Math, Science and Arts, Natchitoches, LA, October 31, 2008.
66. Louisiana Board of Regents Speaker, the University of Louisiana at Lafayette, Lafayette, LA, October 27, 2008.
67. Keynote Speaker, *American Veterinary Health Information Management Association Annual Meeting*, New Orleans, LA, July 21, 2008.
68. Louisiana Board of Regents Speaker, "Louisiana Board of Regents Speaking of Science," Baton Rouge Transition to Teaching Center (Advance Baton Rouge), Baton Rouge, LA, July 9, 2008.
69. Speaker, 1st CCT/LBRN Workshop on Computational Biology, Baton Rouge, April 25-26, 2008.
70. Louisiana Board of Regents Speaker, University of Louisiana, Lafayette, LA, March 3, 2008.
71. Invited Speaker, National Science Foundation (NSF) Computing Research Infrastructure PI Meeting, Snowbird, UT, June 23-25, 2006.
72. Colloquium Speaker, Center for Computation and Technology, Louisiana State University, Baton Rouge, LA, May 5, 2006.
73. Invited Speaker, Department of Computer Applications, Maulana Azad National Institute of Technology, Bhopal, India, May 18, 2005.
74. Plenary Speaker, Computer Society of India (Bhopal Chapter) specially organized event, Bhopal, India, May 18, 2005.
75. Louisiana Board of Regents Speaker, Louisiana State University Eye Center, New Orleans, LA, March 18, 2005.
76. Invited Talk, Louisiana State University Health Sciences Center, sponsored by the Louisiana Board of Regents, New Orleans, LA, March 17, 2005.
77. Invited Talk, Louisiana Biomedical Research Network Annual Retreat, Many, LA, January 29, 2005.
78. Colloquium Speaker, Center for Advanced Computer Studies, the University of Louisiana at Lafayette, Lafayette, LA, November 12, 2004.
79. Invited Talk, Louisiana Optical Network Initiative Forum, sponsored by the Office of the Governor of Louisiana, the Board of Regents' Louisiana NSF EPSCoR, Baton Rouge, LA, Sept. 1-3, 2004.
80. Invited Talk, Louisiana Biomedical Research Network Annual Retreat, St. Francisville, LA, February 1, 2003.
81. Invited Talk, IBM Research Center, New Delhi, India, January 11, 2002.

82. Invited Talk, Institute of Micromanufacturing, Ruston, LA, Jan. 2003.
83. Keynote Speaker, International Conference on Advanced Computing and Communications, Bhubaneshwar, India, December 16, 2001.
84. Invited Speaker, Intel Online Services, Intel Corporation, Portland, OR, July 2000.
85. Invited Talk, Department of Computer Science, Indian Institute of Engineering and Technology, Delhi, India, December 1999.
86. Invited Talk, Thapar Center for Industrial Research and Development, Patiala, India, December 13, 1999.

GRANTS & CONTRACTS

Current Grants and Contracts (PI/Co-PI only)

1. Louisiana Tech Cyber Technology Practitioner Program, Funding Agency: US Department of Education (PI: Sumeet Dua), Funded: \$2,000,000 (10/2022-09/2024)
2. Global Strike National Security Fellowship Program – Year III, Funding Agency: Air Force Global Strike Command (PI: Sumeet Dua), Funded: \$976,568. (01/2022-06/2023)
3. Satellite-Assisted Forecasting Environment for Improving Oyster Safety (SAFE Oyster), Funding Agency: NASA (Co-PI: S. Dua), Funded: \$750,000. (07/2020-06/2023)
4. SFS@LaTech: Cyber Engineers & Scientists for our Future, Funding agency: National Science Foundation (PI: H. Hegab; Co-PI: S. Dua), Funded: \$3,531,750 (01/2018-12/2022)

Expired Grants and Contracts (PI/Co-I only)

1. Global Strike National Security Fellowship Program – Year II, Funding Agency: Air Force Global Strike Command (PI: Sumeet Dua), Funded: \$740,669. (06/2021-06/2022)
2. Recruitment of Superior Doctoral Graduate Fellows in Computational Analysis and Modeling, Funding agency: Board of Regents Support Fund, Funded: \$108,000. (06/2018-05/2022)
3. Fellowship Apprenticeship Research Internship Pilot Program, Funding agency: Air Force Global Strike Command (Co-PI: S. Dua), Funded: \$ 1,041,338. (05/2020-09/2021)
4. Cyber-Spectrum Collaborative Research Environment (C-SCoRE) Program, Funding Agency: Air Force Research Laboratory through Georgia Tech Research Institute, Funded: \$146,138. (02/2020-05/2021)
5. COVID-19 Modeling Project, Funding agency: Air Force Global Strike Command (PI: S. Dua), Funded: \$202,370. Project promoted by the USAFGSC (<https://www.afgsc.af.mil/News/Article-Display/Article/2171749/nuclear-command-leverages-academia-industry-data-in-covid-19-fight/>; https://youtu.be/SBtud_867s4). (04/2020-06/2020)
6. Cyber-Spectrum Collaborative Research Environment (C-SCoRE) Program, Funding Agency: Air Force Research Laboratory through Georgia Tech Research Institute, PI: S. Dua, Funded: \$152,325. (10/2018-12/2019)
7. Cyber-Spectrum Collaborative Research Environment, Funding Agency: US Air Force through Clarkson Aerospace, PI: S. Dua, Funded: \$65,000. (11/2017-01/2019)
8. Community Detection for Cybernetics using High-performance GP-GPU Computing in Federated Hadoop Systems, Funding Agency: Air Force Research Laboratory/Minority Leaders Program/Clarkson Aerospace, PI: S. Dua, Funded: \$150,000. (10/2013-09/2018)
9. Advanced Cyber Education Design and Development, Funding agency: CSRA LLC, PI: S. Dua, Funded: \$371,000. (08/2017-06/2018)

10. NIH/LA-INBRE Bioinformatics, Biostatistics and Computational Biology Core Services Biomedical Data Mining and Biostatistics (BDMB) sub-core, Funding Agency: National Institutes of Health, PI: S. Dua, Funded: \$148,000. (05/2015-10/2016)
11. Cyber Spectrum Research & Technology Development Virtual Environment (CSpec-DVE), Funding Agency: US Air Force through Clarkson Aerospace, PI: S. Dua, Funded: \$140,203. (10/2015-09/2016)
12. NIH/LA-INBRE Program Core in Bioinformatics, Funding Agency: National Institutes of Health, PI: S. Dua, Funded: \$550,000. (05/2010-04/2015)
13. Modality-Driven Automated Target Recognition and Classification, Funding Agency: Air Force Office of Sponsored Research, PI: S. Dua, Funded: \$103,649. (08/2010-06/2014)
14. Modes of Adaptation, Resistance, and Survival for Life Inhabiting a Freeze-Dried-Radiation-Bathed Environment (MARSLIFE), Funding Agency: National Aeronautical and Space Agency (NASA), Co-PI: S. Dua, Funded: \$750,000. (06/2010-05/2014)
15. Multi-Sensor Network Testbed for Distributed Data Fusion, Classification, and Mining, Funding Agency: Air Force Office of Sponsored Research, PI: S. Dua, Funded: \$214,013. (08/2010-07/2014)
16. Interpretation and Mining of HRR Random Signal Model Using Wavelet Decomposition: Air Force Office of Sponsored Research, PI: S. Dua, Funded: \$215,000. (07/2010-06/2014)
17. Environmentally Sustainable Building Materials Database: LA_i6 Proof of Concept Center, U.S. Economic Development Administration (EDA), Co-PI: S. Dua, Funded: \$85,889. (10/2012-06/2014)
18. DURIP: A distributed Platform for Capturing, Analyzing, and Combating Botnet Attacks Funding Agency: Air Force Office of Sponsored Research, PI: S. Dua, Funded: \$19,008. (09/2011-11/2012)
19. Spatial-Spectral Change Detection using Pattern Mining, Funding Agency: Air Force Research Laboratory, PI: S. Dua, Funded: \$25,000. (11/2011-10/2012)
20. Cyber Threat Detection and Network Assurance using Associative Rule-based Data Mining: Air Force Research Laboratory, PI: S. Dua, Funded: \$25,000. (11/2010-11/2011)
21. Hyperspectral Change Detection using Pattern Mining, Funding Agency: Air Force Research Laboratory (AFRL, through Clarkson Corp.), PI: S. Dua, Funded: \$37,500. (10/2009-10/2011)
22. CyberTools: Comprehensive Computing, Data, Network, and Visualization Services for LONI, with Applications in Coastal and Environmental Fluid Dynamics, Funding Agency: National Science Foundation and Louisiana Board of Regents, Funded: \$323,418. (01/2007-02/2011)
23. Cyber Threat Detection and Network Assurance using Associative Rule-Based Data Mining, Funding Agency: Air Force Research Laboratory (AFRL Minority Leaders Program through Clarkson Corp.), Funded: \$25,500. (10/2009-10/2010)
24. Advanced Hyperspectral Change Detection Methods, Funding Source: Air Force Research Laboratory (AFRL; through Clarkson Corp.), Funded: \$35,000. (10/2009-11/2010)
25. Data Mining-Based Learning for Automated Target Recognition, Funding Agency: Air Force Research Laboratory (AFRL; Minority Leaders Program through Clarkson Corp.), Funded: \$35,000. (10/2009-11/2010)
26. DINER LAB: Distributed Information Discovery Laboratory, Funding Agency: Louisiana Board of Regent, Funded: \$50,155.00. [*Proposal ranked #1 in the State in the Computer and Information Science Category*] (10/2009-11/2010)
27. Tailor-Made Variants of Site-Specific Recombinases as Tools for Genome Engineering, Funding Agency: National Institutes of Health (NIH); Funded: \$1,563,478. (09/2008-12/2009)
28. Change Detection in Hyperspectral Imaging, Funding Agency: Air Force Research Laboratory (AFRL; through Clarkson Corp.), Funded: \$37,500. (09/2008-08/2009)
29. Knowledge Mining Methods for Automated Target Recognition Applications, Funding Agency: Air Force Research Laboratory (AFRL; through Clarkson Corp.), Funded: \$37,500. (09/2008-08/2009)

30. Petascale Computing of Transport Processes in Biological Systems using the Grid, Funding Agency: Louisiana Board of Regents, Funded: \$1,000,000 (proposal selected for further integration). (01/2007–12/2009)
31. Automated Target Recognition in Synthetic Aperture Radar Images, Funding Agency: Air Force Research Laboratory (AFRL; through Clarkson Corp.), Funded: 205,673. (09/2006–08/2008)
32. Development of PetaShare: A Distributed Data Archival, Analysis, and Visualization System for Data-Intensive Collaborative Research, Funding Agency: National Science Foundation, Funded: \$957,678. (08/2006–07/2010)
33. IDEa Network of Biomedical Research Excellence, Funding Agency: National Institutes of Health, Funded: \$454,627. (07/2005–06/2010)
34. Novel Gene Expression Mining Algorithms to Assist Medical Discovery, Funding Agency: Louisiana Board of Regents Research Competitiveness Sub-Program, Funded: \$70,374. (07/2005–05/2007)
35. CRI: Planning for Heterogeneous Data Repository for Computing Research, Funding Agency: National Science Foundation (NSF), Funded: \$70,172. (07/2005–06/2006)
36. Gene Expression Data Mining for Physiological Discovery, Funding Agency: National Institutes of Health (NIH), Funded: \$1,030,137. (07/2005–05/2010)
37. Development of Viz Tangibles and Viz Net: Instrumentation for Interactive Visualization, Simulation, and Collaboration, Funding Agency: National Science Foundation (NSF), Funded: \$400,000. (06/2005–05/2008)
38. Medical Decision Support for Diabetic Retinopathy using Data Mining, Funding Agency: National Institutes of Health through LBRN, Funded: \$51,898.42. (06/2005–08/2005)
39. Continued Development of Access-Grid Node Experimental Facility, Funding Agency: Center for Entrepreneurship and Information Technology, Funded: \$30,000. (03/2005–05/2006)
40. Design and Development of Novel Data Mining Algorithms for Gene Expression Data Analysis in Bioinformatics, Funding Agency: National Institutes of Health (NIH) through Louisiana Biomedical Research Network (Supplemental Funding), Funded: \$41,166.22. (12/2004–05/2005)
41. Collaborative Enhancement and Education in Clinical Informatics, Funding Agency: Louisiana Board of Regents Traditional Enhancement Program, Funded: \$42,210. (06/2004–05/2005)
42. Real-Time Object Tracking in Clinical Confocal Microscopy using Data Mining, Funding Agency: Louisiana Tech Research Council, Funded: \$1,000. (06/2004–08/2004)
43. Design and Development of Novel Data Mining Algorithms for Gene Expression Data Analysis in Bioinformatics, Funding Agency: National Institutes of Health (NIH) through Louisiana Biomedical Research Network, Funded: \$47,244.67. (06/2004–08/2004)
44. Bio nanotechnology Modeling and Simulation, Funding Agency: Louisiana Board of Regents Enhancement Program, Funded: \$20,000. (05/2003–04/2004)
45. Invited Talk at ICWE-2003, Funding Agency: Louisiana Board of Regents Travel Grants for Emerging Faculty Program, Funded: \$1,000. (08/2003–12/2003)
46. Continued Development of an Automated Fungal Analysis System for Fast Diagnosis of Eye Diseases, Funding Agency: Louisiana Tech University Research Council, Funded: \$1,000. (06/2003–08/2003)
47. Data Mining Workshop for Engineers and Managers, Funding Agency: Center for Entrepreneurship and Information Technology, Funded: \$11,211. (11/2002–06/2003)
48. A Distributed-Sensor Network for Real-Time Image Stabilization in Confocal Microscopy, Funding Agency: CEnIT/LaTech, Funded: \$36,481. (11/2002–06/2003)

SERVICE TO THE PROFESSION

Federal Scientific Panelist

1. National Institutes of Health (NIH) High Impact, Interdisciplinary Science in Kidney Disease (RC2), 2022/05 ZDK1 GRB-J (M2) 1, March 18, 2022.
2. National Institutes of Health (NIH) Small Business: Computational, Modeling, and Biodata Management Study Section, 2022/01 ZRG1 IMST-B (13), November 12, 2021.
3. National Institutes of Health (NIH) National Cancer Institute (NCI) SBIR Technical Evaluation Panel, February 25, 2021.
4. National Institutes of Health (NIH), Informatics, Coordination, and Service Center for the Mutant Mouse Resource and Research Centers (U42) Study Section, 2020/10 ZRG1 IMST-K (51) R, May 5, 2020.
5. National Institutes of Health (NIH), Small Business: Computational, Modeling, and Biodata Management Study Section, 2020/08 ZRG1 IMST-K (18) B, May 5, 2020.
6. National Institutes of Health (NIH), 2020/05 ZDK1 GRB-J (M2) 1 NIDDK Hematology Central Coordinating Center (U24) Study Section, March 24, 2020.
7. National Institutes of Health (NIH), 2020/05 ZDK1 GRB-J (M1) 1 NIDDK Cooperative Centers of Excellence in Hematology (U54) Study Section, March 23, 2020.
8. National Science Foundation (NSF), Directorate of Engineering Panel, February 2020.
9. National Institutes of Health (NIH) Small Business: Computational, Modeling and Biodata Management Study Section 2020/01 ZRG1 IMST-K (19), December 2019.
10. National Institutes of Health (NIH) Small Business: Computational, Modeling and Biodata Management Study Section 2020/01 ZRG1 IMST-K (14) B, November 2019 [Acting Chair].
11. National Institutes of Health (NIH) Small Business: Commercialization Readiness Pilot Study Section 2020/01 ZRG1 IMST-K (18) B, November 2019.
12. National Institutes of Health (NIH) Fellowships: Musculoskeletal and Oral Sciences, Imaging, Surgery and Informatics Study Section 2019/05 ZRG1 F10B-B (20) L, March 2019.
13. National Institutes of Health (NIH) Academic-Industrial Partnerships Research for Cancer Diagnosis and Treatment Study Section 2019/02 ZRG1 SBIB-Q (57) R, February 2019.
14. National Institutes of Health (NIH) Academic-Industrial Partnerships Research for Cancer Diagnosis and Treatment Study Section 2019/01 ZRG1 SBIB-Q (57) R, October 2018.
15. National Institutes of Health (NIH) Academic-Industrial Partnerships Research for Cancer Diagnosis and Treatment Study Section 2018/02 ZRG1 SBIB-Q (57) R, June 2018.
16. National Institutes of Health (NIH) Panel for George M. O'Brien Kidney Research Core Centers (P30) (ZDK1 GRB-J M2 RFA DK 16-031), March 2018.
17. National Institutes of Health (NIH) Academic-Industrial Partnerships Research for Cancer Diagnosis and Treatment Study Section 2018/01 ZRG1 SBIB-Q (57) R, February 2018.
18. National Institutes of Health (NIH) Academic-Industrial Partnerships Research for Cancer Diagnosis and Treatment Study Section 2018/01 ZRG1 SBIB-Q (57) R, October 2017.
19. National Institutes of Health (NIH) Study Section on Small Business Innovation Research/Small Business Technology Transfer Panel B: Computational, Modeling, and Biodata Management (2017/18 ZRG1 IMST-K (14)), July 2017
20. National Institutes of Health (NIH) Academic Industrial Partnership (AIP) for Translation of Technologies for Cancer Diagnosis and Treatment Study Section (2017/10 ZRG1 SBIB-Q (57)), June

2017.

21. National Institutes of Health (NIH) Panel for George M. O'Brien Kidney Research Core Centers (P30) (ZDK1 GRB-J M2 RFA DK 16-031), March 2017.
22. National Institutes of Health (NIH) Study Section on Small Business Innovation Research/Small Business Technology Transfer Panel B: Computational, Modeling, and Biodata Management (ZRG1 IMST-K (14)), March 2017
23. National Institutes of Health (NIH) Academic Industrial Partnership (AIP) Study Section (ZRG1 SBIB-Q 57), March 2017.
24. National Institutes of Health (NIH) Academic Industrial Partnership (AIP) Study Section (ZRG1 SBIB-Q 57), October 2016.
25. National Institutes of Health (NIH) Study Section on Small Business Innovation Research/Small Business Technology Transfer Panel (*SBIR/STTR IMST (14)* Study Section), October 2016.
26. National Science Foundation (NSF) Computer Science and Information Science Directorate Review Panel, July 2016.
27. National Institutes of Health (NIH) Academic Industrial Partnership (AIP) Study Section (ZRG1 SBIB-Q 57), June 2016.
28. National Institutes of Health (NIH) Study Section on Small Business Innovation Research/Small Business Technology Transfer Panel (*SBIR/STTR IMST (14)* Study Section), June 2016.
29. National Institutes of Health (NIH) Study Section on Small Business: Computational, Modeling, and Biodata Management (2016/05 ZRG1 IMST-K (14) B), March 2016.
30. National Institutes of Health (NIH) Study Section on Bioinformatics in Surgical Sciences, Imaging and Independent Living (2016/05 ZRG1 SBIB-Q (80) S), February 2016 [Acting Chair].
31. National Institutes of Health (NIH) Study Section on Small Business Innovation Research/Small Business Technology Transfer Panel (*SBIR/STTR IMST (14)* Study Section), November 2015.
32. National Institutes of Health (NIH) Study Section on Bioinformatics in Surgical Sciences, Imaging and Independent Living (SBIR/STTR ZRG1 SBIB-Q (80) S), October 2015.
33. National Institutes of Health (NIH) Study Section on Small Business Innovation Research/Small Business Technology Transfer Panel (*SBIR/STTR IMST (14)* Study Section), June 2015.
34. National Institutes of Health (NIH) Study Section on Small Business Innovation Research/Small Business Technology Transfer Panel (ZRG1 IMST-K (14)B Study Section), March 2015.
35. National Science Foundation (NSF) Computer Science and Information Science Directorate Review Panel, Jan. 2015.
36. National Institutes of Health (NIH) Study Section on Small Business: Cell, Computational and Molecular Biology (ZRG1 IMST-K (14)B), November 2014.
37. National Institutes of Health (NIH) Study Section on Bioinformatics in Surgical Sciences, Imaging and Independent Living (SBIR/STTR ZRG1 SBIB-Q (80) S), June 2014.
38. National Institutes of Health (NIH) Study Section on Cell, Computational, and Molecular Biology SBIR/STTR (IMST-14; 2014-15), March 2014.
39. National Institutes of Health (NIH) Study Section on Bioinformatics in Surgical Sciences, Imaging and Independent Living (ZRG1 SBIB-Q 80), February 2014.
40. National Institutes of Health (NIH), Study Section on Small Business Innovation Research/Small Business Technology Transfer Panel (*SBIR/STTR IMST (14)*), November 2013.
41. National Institutes of Health (NIH), Cell, Computational, and Molecular Biology IMST (15) Small Business, Stage-2 panelist, March 2013.

42. National Institutes of Health (NIH) Special Emphasis Panel/Scientific Review Group on Computational Modeling and Sciences for Biomedical and Clinical Applications (ZRG1 SBIB-Q 80) Study Section, March 2013.
43. National Institutes of Health (NIH) Study Section on Bioinformatics in Surgical Sciences, Biomedical Imaging, and Bioengineering (ZRG1-SBIB Q (80)), Oct. 15, 2012.
44. National Institutes of Health (NIH), Cell, Computational, and Molecular Biology IMST – J (15) Small Business, Stage-1 Editorial Board Reviewer (Mail-in), National Institutes of Health, October 2012.
45. National Institutes of Health (NIH), Interdisciplinary Molecular Sciences and Training Integrated Review Group (IRG), 2013/01 ZRG1 IMST-J (15), Stage 1 Reviewer (Mail-in), September 2012.
46. National Institutes of Health (NIH), Cell, Computational, and Molecular Biology, 2012/10 ZRG1 IMST-J (15) B Small Business, Editorial Board Review Panel, Stage-1 Editorial Board Reviewer, June 2012.
47. National Institutes of Health (NIH), Interdisciplinary Molecular Sciences and Training Integrated Review Group (IRG), 2012/10 ZRG1 IMST-K (14) B, Stage-1 Editorial Board Reviewer, May 2012.
48. National Institutes of Health (NIH) panel on BioData Management and Analysis, February 2012.
49. National Institutes of Health (NIH) Cell, Computational, and Molecular Biology SBIR/STTR review panel (IMST-14), Nov. 2011.
50. National Institutes of Health (NIH) Study Section on BioData Management and Analysis, Oct. 2011.
51. National Institutes of Health (NIH) Study Section on BioData Management and Analysis, Feb. 2011.
52. National Science Foundation (NSF) Computer Science and Information Science Directorate Review Panel, Nov. 2010.
53. National Institutes of Health (NIH) Special Emphasis Panel/Scientific Review Group on Computational Modeling and Sciences for Biomedical and Clinical Applications (ZRG1-SBIB-Q) Study Section, Oct. 2010.
54. National Institutes of Health (NIH) Special Emphasis Panel/Scientific Review Group on Computational Modeling and Sciences for Biomedical and Clinical Applications (ZRG1-SBIB-Q) Study Section, June 2010.
55. National Institutes of Health (NIH) Special Emphasis Panel/Scientific Review Group on Computational Modeling and Sciences for Biomedical and Clinical Applications (ZRG1-SBIB-Q) Study Section, March 2010.
56. National Institutes of Health (NIH) Special Emphasis Panel/Scientific Review Group on Biomedical Sensing, Measurement and Instrumentation (ZRG1-SSMI-Q) Study Section, Oct. 2009.
57. National Institutes of Health (NIH) American Recovery and Reinvestment Act (ARRA) Study Section, October 2009.
58. National Institutes of Health (NIH) Special Emphasis Panel/Scientific Review Group on Biomedical Sensing, Measurement and Instrumentation (ZRG1-SSMI-Q) Study Section, June 2009.
59. National Institutes of Health (NIH) Special Emphasis Panel/Scientific Review Group on Biomedical Sensing, Measurement and Instrumentation (ZRG1-SSMI-Q) Study Section, Feb. 2009.
60. National Institutes of Health (NIH) Special Emphasis Panel/Scientific Review Group on Biomedical Sensing, Measurement and Instrumentation (ZRG1-SSMI-Q) Study Section, Oct. 2008.
61. National Institutes of Health (NIH) Special Emphasis Panel/Scientific Review Group on Biomedical Sensing, Measurement and Instrumentation (ZRG1-SSMI-Q) Study Section, July 2008.
62. National Science Foundation (NSF), Directorate for Computer and Information Science (CISE) Review Panel, March 2008.
63. National Institutes of Health (NIH) Special Emphasis Panel/Scientific Review Group on Biomedical Sensing, Measurement and Instrumentation (ZRG1-SSMI-Q) Study Section, Feb. 2008.

64. National Institutes of Health (NIH) Special Emphasis Panel/Scientific Review Group on Biomedical Sensing, Measurement and Instrumentation (ZRG1-SSMI-K) Study Section, Oct. 2007.
65. National Institutes of Health (NIH) Special Emphasis Panel/Scientific Review Group on Biomedical Sensing, Measurement and Instrumentation (ZRG1-SSMI-K) Study Section, June 2007.

Mail-in Scientific Reviewer

1. National Science Foundation, April 2020
2. United States-Israel Binational Science Foundation, January 2020.
3. United States-Israel Binational Science Foundation, March 2018.
4. National Institutes of Health (NIH) Study Section on Bioinformatics in Surgical Sciences, Imaging and Independent Living (SBIR/STTR ZRG1 SBIB-Q (80) S), Study Section, November 2013.
5. National Institutes of Health (NIH) National Institute of General Medical Sciences Pathway to Independence (K99-R00), Sept.-Nov. 2010.
6. United States Air Force Office of Surgeon General, May 2010 (Expert Reviewer).
7. Louisiana Biomedical Research Network (NIH-sponsored), April 2010.

Service on International Accreditation Bodies

1. External Review Team Member/Chair, U.A.E. Commission for Academic Accreditation (CAA).
2. Peer Evaluator, Southern Association of Colleges and Schools Commission on Colleges (SACSCOC)

Additional International Service

1. Book Review, Cambridge University Press, U.K. 2017
2. Doctoral Thesis External Examiner, Jaypee University of Information Technology, Wagnaghat, India 2017
3. Doctoral Thesis External Examiner, Birla Institute of Technology and Science, Ranchi, India 2014
4. Doctoral Thesis External Examiner, Bharathiar University, Coimbatore, India, 2012
5. Doctoral Thesis External Examiner, Delhi University, New Delhi, India, 2010.
6. Doctoral Thesis Adjunction Reviewer, Anna University, Chennai, India, 2008.
7. Doctoral Thesis External Examiner, Delhi University, New Delhi, India, 2008.

Service on Statewide Committees and Teams

1. Louisiana Board of Regents Research Summit Steering Committee (2020)
2. Member, Louisiana Master Plan Research Advisory Committee (MPRAC) Digital Media and Enterprise Software Task Force (2013-2014)
3. IT/Biology Scientific Coordinator, Louisiana Optical Network Initiative (LONI) Institute (2007-2014)
4. Secretary, Louisiana Optical Network Initiative Scientific Committee (2005-2007)

Editorial Service for Journals (current)

1. Editorial Board Member, Social Network Analysis and Mining, Springer, ISSN: 1869-5450 (Print);

EISSN: 1869-5469 (electronic)

2. Editorial Board Member, Journal of Medical Imaging and Health Informatics, American Scientific Publishers, ISSN: 2156-7018; (Print): EISSN: 2156-7026 (electronic).
3. Associate Editor, International Journal on Network Security, ACEEE, U.S.A., ISSN: 2152-5064 (print); ISSN: 2152-5072 (online)

Conference Chairmanships

1. Program Co-Chair: International Conference on Informatics (ICI-2022), April 2022.
2. Program Co-Chair: International Conference on Machine Learning and Data Science (ICMLDS 2020), December 2020.
3. Program Co-Chair: International Conference on Machine Learning and Data Science (ICMLDS 2019), December 2019.
4. Program Co-Chair: International Conference on Machine Learning and Data Science (ICMLDS 2018), December 2018.
5. Program Co-Chair: International Conference on Machine Learning and Data Science (ICMLDS 2017), December 2017.
6. General Chair: International Conference on Computing, Analytics and Networks (ICAN-2017), October 2017.
7. Panel Chair: North LA Health Data Analytics Conference Industry Panel, 2017.
8. Panelist, Panel on "Addressing the Cybersecurity Skills Gap", Connect & Protect 2017 Cybersecurity Summit, CenturyLink Corporate Offices, March 2017.
9. Special Session Co-Chair: Special Session on "Distributed Sensor Networks", IEEE International Symposium on Signal Processing and Information Technology, 2014 (ISSPIT-2014).
10. Program Chair: 7th International Conference on Systems, Technology, and Management, 2013 (ICISTM-2013).
11. Program Chair: 6th International Conference on Systems, Technology, and Management, March 28-30, 2012 (ICISTM-2012). [Proceeding in Springer's-CCIS, Indexed in SCOPUS & ISI Web of Science].
12. Program Chair: 1st International Conference on Image Information Processing (ICIIP), November 3-5, 2011, Shimla, India [Proceedings in IEEE Xplore; 620 paper submissions].
13. Program Chair: 5th International Conference on Systems, Technology, and Management, March 10-12, 2011 (ICISTM-2011). [Proceeding in Springer's-CCIS, Indexed in SCOPUS & ISI Web of Science].
14. Track Co-chair: Track on "Applications," 3rd International Conference on Contemporary Computing, August 9-11, 2010 (IC3-2010) [Proceedings].
15. Workshops and Tutorial Chair: 4th International Conference on Systems, Technology, and Management, March 11-13, 2010 (ICISTM-2010). [Proceedings].
16. Session Chair: International Conference on Information Technology, December 21-24, 2009 (ICIT-2009).
17. Track Chair: Track on "Bioinformatics," 2nd International Conference on Contemporary Computing August 17-19, 2009 (IC3-2009) [Proceedings].
18. Track Chair: Track on "Data Mining for Bioinformatics," 2008 IEEE Symposium on Computational Intelligence in Bioinformatics and Computational Biology September 15-17, 2008 (IEEE-CIBCB08) [Proceedings].
19. Committee member, National Science Foundation (NSF) Computer and Information Science Directorate (CISE) Computing Research Infrastructure (CRI) PI Annual Meeting Organizing Committee,

2007.

20. Conference Chair, Conference on "Data Mining," Part of SPIE's International Symposium on Optics East 2006, October 1-6, 2006 (OpticsEast-2006 SA211).
21. Track Co-chair: Track on "Bioinformatics," IEEE International Conference on Information Technology Coding and Computing April 4-6, 2005 (ITCC 2005). [Proceedings]
22. Track Co-chair: Track on "Information Technology in Bioinformatics and Biomedical Computing," IEEE International Conference on Information Technology: Coding and Computing, April 5 -7, 2004 (ITCC 2004). [Proceedings]
23. Session Chair, *International Conference on Advanced Computing and Communications*, Dec. 17, 2001, Bhubaneshwar, India.

Journal Reviewer (recurring service)

Eye and Vision; Briefings in Bioinformatics; IEEE Transactions in Knowledge and Data Engineering; IEEE Signal Processing Magazine; IEEE Transactions on Computers; IEEE Transactions on Biomedical Engineering; IEEE Transactions on Information Technology in Biomedicine; International Journal of Computers and Applications; Journal of Parallel and Distributed Computing; Bioinformatics; BMC Bioinformatics; International Medical Journal for Experimental and Clinical Research; International Journal of Foundations of Computer Science; BMC Biomedical Engineering Online; Wireless Communications; Journal of Medical Systems; International Journal of Computers and Applications; Neurocomputing; Eye and Vision; and PLoS One.

Conference Advisory Committee Member (selected)

1. International Conference on Intelligent Systems for Human-Machine Collaboration (ICISHMC'21), September 2021, Thane, Maharashtra, India.
2. 2018 Springer International Conference Towards Extensible and Adaptable Methods in Computing (TEAMC 2018) Netaji Subhas Institute of Technology, March 2018, Dwarka, Delhi, India.
3. 5th International Conference on Advances in Electronics, Computer, and Mathematical Sciences, Sagar Society of Interdisciplinary, Research & Technology, February 23-25, 2018, Madhya Pradesh, India.
4. 1st International Conference on innovations in Computer, Communication and Control Technologies, April 2014, Kumaracoil, India.
5. 3rd International Conference on Biomedical Engineering and Assistive Technologies (BEATS-2014), February 14-15, 2014, Chandigarh, India.
6. 7th International Conference on Advanced Computing and Communication Technologies (ICACCT-2013), November 2013, organized by Asia Pacific Institute of Information Technology, Panipat, India.
7. European Intelligence and Security Informatics Conference (EISIC) 2011 – The Premier European Conference on Counterterrorism and Criminology, September 12-14, 2011, Athens, Greece.

SERVICE TO SCHOLARS & STUDENTS

Graduate Students

1. Sangam Mulmi, Multi-Model Network Intrusion Detection System Using Distributed Feature Extraction and Supervised Learning, Ph.D. in Computational Analysis and Modeling, 2020.
2. Radhika Medury, Social-Media Based Algorithmic Clinical Decision Support Learning from Behavioral

- Predispositions, Ph.D. in Computational Analysis and Modeling, 2020.
3. Hatwib Mugasa, An Adaptive Feature Engineering Model for Classification of Ultrasound Images for Clinical Decision Support, Ph.D. in Computational Analysis and Modeling, 2019.
4. Ayesha Akhter, Feature Space Modeling for Accurate and Efficient Learning from Non-Stationary Data, Ph.D. in Computational Analysis and Modeling, 2019.
5. John Mapes, Multidimensional Feature Engineering for Post-Translational Modification Prediction Problems, Ph.D. in Engineering, 2018.
6. Richard Appiah, Spatiotemporal Subspace Feature Tracking by Mining Discriminatory Characteristics, Ph.D. in Computational Analysis and Modeling, 2017.
7. Vanita Jaitly, Diffusion Mining for Social Network Analytics, Ph.D. in Computer Science (Chitkara University), 2016.
8. Prasenjit Das, Feature Hierarchy Mining for Malware Classification, Ph.D. in Computer Science (Chitkara University), 2016.
9. Mihir Karnik, Metagenome Analysis using Expectation Maximization, Masters in Computer Science Thesis, 2014.
10. Kankana Shukla, Development of a Clique-based Dimensionality Reduction Technique and its Applications to Gene Expression, Masters in Computer Science Thesis, 2014.
11. Sulaimon Ibrahim, Classification of Diabetes Maculopathy Images based on Data-adaptive Neuro-Fuzzy Inference Classifier, Masters in Computer Science Practicum, 2013
12. Joshua Hitchins, Agent-based Social Network Data Generation Using Semantic Tagging and Tag-based Social-link Algorithms, Masters in Computer Science Thesis, 2013
13. Sheetal Saini, Adaptive Grid-Based Localized Learning for Multidimensional Data, Ph.D. in Computational Analysis and Modeling Dissertation, 2012.
14. Vasanth Raghu Nair, Folksonomy based Ad hoc Community Detection in Online Social Networks, Masters in Computer Science Thesis, 2012.
15. Mohit Jain, Data Adaptive Rule-Based Classification System, Masters in Computer Science Thesis, 2012.
16. Michael P. Dessauer, Data Mining Based Learning Algorithms for Semi-Supervised Object Identification and Tracking, Ph.D. in Computational Analysis and Modeling Dissertation, 2011.
17. Harpreet Singh, Associative Pattern Mining for Supervised Learning, Ph.D. in Computational Analysis and Modeling Dissertation, 2010.
18. Afolabi Olomola, Unsupervised Similarity Mining in High Dimensional Data, Masters in Computer Science Thesis, 2010.
19. Preet K. Sekhon, Automated Valuation Models Using Data Mining Techniques-An Application to Real Estate Valuation, Masters in Computer Science Practicum, 2009.
20. Alan E. Alex, An Integrated Approach for Identification of Cell-Cyclic Genes in the *Saccharomyces Cerevisiae*, Masters in Computer Science Thesis, 2009.
21. Pradeep Chowriappa, Integrated Mining of Feature Spaces for Bioinformatics Domain Discovery, Ph.D. in Computational Analysis and Modeling Dissertation, 2008.
22. Kameshwari Palepu, Gene Ontology-based Gene Expression Mining, Masters in Computer Science Practicum, 2008.
23. Priti Srinivasan, Wavelet-Based Approach for Detecting Cognitive States in fMRI Images, MS-Biomedical Engineering, 2008.
24. Feifei Xu, Unsupervised Feature Selection Filter Method based on Information Gain, Masters in

- Computer Science Thesis, 2007.
25. Robert W. Clowers, A Simplistic Approach to Face Detection over the Access Grid Medium, Masters in Computer Science Thesis, 2007.
 26. Shirin A. Lakhani, Protein Structural Classification using Mining of Frequent Patterns in Concave Protein Surfaces, Masters in Computer Science Thesis, 2007.
 27. Manish K. Gupta, A Framework of Studying the Efficacy of Parameters Accounting towards Solutions in Data Mining, Masters in Computer Science Thesis, 2006.
 28. Padma P. Korimilli, Quad-Tree Based Approach for Bi-Clustering of Gene Expression Data, Masters in Computer Science Thesis, 2006.
 29. Ankur Rajopadhye, Optimized Greedy Algorithm-Based Sensor Placement for Distributed Sensor Network, Masters in Computer Science Thesis, 2006.
 30. Sireesha Krishna Guntaka, A Computational Framework for Autonomous Comparison of Protein Classification Schemas, Masters in Computer Science Practicum, 2006.
 31. Sridhar Reddy Alluri, Fractal-Based Method for Dimensionality Reduction of Gene Expression Data, Masters in Computer Science Thesis, 2006.
 32. Praveen C. Kidambi, A Computational Framework for Structural Classification of Proteins Using Orthogonal Transformation and Class-Association Rules, Masters in Computer Science Thesis, 2006.
 33. Sree Harsha Pothireddy, Discovery of Active Metabolic Paths using Association Rules, Masters in Computer Science Practicum, 2006.
 34. Shraddha Pathak, Enhancement of Instructional Technology by Using Feedback Support System for Access Grid Framework, Masters in Computer Science Thesis, 2005.
 35. Venkat Praveen Medikonda, Web-Based Online Appointment Manager with Data Mining Capabilities, Masters in Computer Science Practicum, 2005.
 36. Naveen Kandiraju, Dihedral Angle-Based Dimensionality Reduction and Accurate Classification of Protein Structures, Masters in Computer Science Thesis, 2005.
 37. Ravi Kanth Meka, Fast Protein Structure Classification using Spatial Aggregation of Orthonormal Coefficients, Masters in Computer Science Thesis, 2005.
 38. Vijay Raj Kukkala, Relevant Feature Extraction using Gene Ontology for Cancer Classification, Masters in Computer Science Thesis, 2005.
 39. Kaustubh Sabnis, Computational Identification of Tumor Gene Markers using Novel Dimensionality Reduction and Unsupervised Classification Techniques, Masters in Computer Science Thesis, 2004.
 40. Sunil Gokak, A Visual Data Mining Framework for Similarity Search in Large Sequential Databases, Masters in Computer Science Practicum, 2004.
 41. Yifei Long, Efficient and Flexible Update of Association Rules in Growing Databases, Masters in Computer Science Thesis, 2004.
 42. Suyang Zhang, Fast Web Usage Mining for Automatic Web Personalization, Masters in Computer Science Thesis, 2004.
 43. Vinay Manava, Integrating Image and Text for Heterogeneous Data Mining in Biomedical Informatics, Masters in Computer Science Practicum, 2003.

Postdoctoral Advisor

Xian Du

John Mapes

Pradeep Chowriappa

Workshops and Tutorials

1. S. Dua, Workshop on "Data Science Algorithms in Bioinformatics", Chitkara University, Chandigarh, India, July 27, 2016.
2. S. Dua, Workshop on "Interdisciplinary Research Opportunities in Big Data Science", Chitkara University, Chandigarh, India, July 14-18, 2014.
3. S. Dua, Workshop on "Data Mining in Healthcare", International Institute of Health Management Research, New Delhi, India, November 18-19, 2013.
4. S. Dua, Workshop on "Big Data Opportunities in Biomedical and Clinical Informatics", Jaypee University for Information Technology, India, July 22-24, 2013.
5. S. Dua, Workshop on "Big Data Management," supported by Indo-US Collaboration for Engineering Education (IUCEE), Madanapalle Institute of Technology and Science, India, July 2-4, 2013.
6. S. Dua, Workshop on "Intricacies of Scientific Research: From Concept to Dissemination," Chitkara University, India, July 16-20, 2012.
7. S. Dua, Workshop on "Data Mining and Machine Learning Paradigms for Cybersecurity," Chitkara University, India, July 11-15, 2011.
8. S. Dua, Workshop on "Computational Paradigms of Clinical Informatics," Jaypee University of Information Technology, Wanknaghat, India, Jan. 2011.
9. S. Dua, Workshop on "Advanced Data Mining, Fusion, and Its Biomedical Applications," Jaypee University of Information Technology, Wanknaghat, India, Aug. 2010.
10. S. Dua, Workshop on "Unsupervised Subspace Clustering," 3rd International Conference on Information Systems, Technology, and Management (ICISTM-2010), Bangkok, Thailand, March 2010.
11. S. Dua, Workshop on "Data Mining for Industrial Applications," Jaypee University of Information Technology, Wanknaghat, India, Jan. 2010.
12. S. Dua, Tutorial on "Data Mining for Bioinformatics," Pole Universitaire Léonard de Vinci, Paris, France, March 17, 2009 (visit organized by University of Louisiana System).
13. S. Dua, Workshop on "Louisiana HealthGrid: Workshop for Healthcare Data Integration and Mining for Next-Generation Medical Research, Education and Service in Louisiana," sponsored in part by NSF Grant # CNS-0454355 (PI: S. Dua)
14. S. Dua, Tutorial on "Data Mining for Bioinformatics," Conference on Information Technology (CIT-2006), Bhubaneswar, India, Dec. 18-21, 2006.
15. S. Dua, Workshop on "Data Mining for Business Professionals" supported by Louisiana Tech's Center for Entrepreneurship and Information Technology, Nov. 4, 2003.
16. S. Dua and S.S. Iyengar, Workshop on "Data Warehousing and Data Mining for Manufacturing in the Next Millennium," Organized by Center for Development of Advanced Computing (C-DAC), Ministry of Information Technology; Center of Agile Manufacturing, Bangalore, India, Dec. 1999.

Student Awards

1. S.M.A.R.T. (Science, Mathematics, and Research for Transformation) Fellowship to Joshua Hitchins (graduate advisee), 2011.
2. S. Saini, S. Dua, and H.W. Thompson, 1st Prize, Graduate Category of the Student Research Symposium, Louisiana Tech University for the poster entitled "Temporal Pattern Mining on iEEG Data

for Epileptic Seizure Detection,” April 2011.

3. P. Chowriappa, S. Dua, H.W. Thompson, and J. Kanno, 1st Prize, Graduate Category of the 8th Annual Student Research Symposium, Louisiana Tech University for the poster entitled “Protein Structure Classification based on Conserved Hydrophobic Residues,” March 2008.

ACADEMIC COMMITTEES & LEADERSHIP

Search Committees (selected)

1. Chair, Louisiana Tech’s Inaugural Chief Information Officer (CIO) Search Committee (2019-2020)
2. Member, Dean for College of Engineering and Science Search Committee, Louisiana Tech University (September-December 2013)
3. Member, Vice President for Research and Development Search Committee, Louisiana Tech University (January-April 2013).
4. Member, Louisiana Tech University Response team to Louisiana’s Research Master Plan (2013)
5. Chair, Cyber Engineering Faculty Hiring Committee (2014-2015)
6. Chair, Electrical Engineering Technology Faculty Hiring Committee (2013-2014)
7. Chair, Computer Science Faculty Hiring Committee (2012-2015)
8. Chair, Electrical Engineering Faculty Hiring Committee (2012-2014)
9. Faculty Search Committee Member, Computer Information Systems, College of Administration and Business (2003 –2004)
10. Member, COES LONI Institute Faculty Search Committee (2007-2008)
11. Member, IT Analyst/Access-grid Administrator Search Committee (2005-2007)
12. Member, COES Cyberspace Cluster Faculty Search Committee (2003-2008)

Strategic Planning Initiatives

1. Member, Louisiana Tech CARES Act Response Strategic Team (2020-present)
2. Chair, Louisiana Tech 2030 Strategic Learning Exercise Choices and Vision Group (2019-present)
3. Member, Louisiana Tech 2030 Strategic Learning Leadership Team (2019-present)
4. Member, College of Engineering and Science (COES) Research and Economic Development Team (2005-2016)
5. Thrust Co-leader, Cyber and Information Systems thrust area (with Tim Bisping), Louisiana Tech S&T Plan towards Louisiana’s Research Master Plan (October 2012 – September 2013)
6. Co-leader, College of Engineering and Science (COES) Strategic Plan National Recognition Theme Team (2011- 2012)
7. Member, College of Engineering and Science (COES) Strategic Plan Preparation Team (2012-2013)
8. Louisiana Tech University Masters in Health Informatics Advisory Board (2011-2015)

Curricular Design Initiatives

1. Chair, NSF-sponsored Louisiana Tech Cyber Practice Program (2019-present)

2. Program design lead, Ph.D. in National Security Studies (2018-present)
3. Program design co-lead, Ph.D. and MS in Biomedical Informatics, jointly with Louisiana State University Health Sciences Center (2018-2019)
4. Program design lead, Graduate Certificate in Cyber Technology, approved by the Board of Regents (2017-2018)
5. Program design lead, Masters in Cyber Technology, approved by the Board of Regents (2017-2018)
6. Program redesign lead, Graduate Certificate in Communication Systems (2012-2013)
7. Program lead, MS in Engineering, a new concentration in Communications Systems (2013)
8. Program lead, Undergraduate Certificate in Information Technology (2012-2014)
9. Program lead, BS in Information Technology (proposed) (2014)
10. Program Architect, new track in 'Data Mining, Bioinformatics, Data Warehousing in the Ph.D. in Computational Analysis and Modeling (CAM) program (2009)
11. Louisiana Tech Proposal Lead, Proposal for a new Ph.D. in Bioinformatics (2003-2006)

Additional University Service

1. Member, University President's Cabinet (2017-present)
2. Mentor, Louisiana Tech Leadership Institute (2019-present)
3. Chair, Louisiana Tech Insider Threat Program Security Working Group (2018-present)
4. Member, Information Technology Steering Committee (November 2015 – present)
5. Institutional Representative, Louisiana Tech Agricultural Institutional Animal Care and Use Committee (Ag IACUC; 2020-present)
6. Institutional Representative, Louisiana Tech Institutional Animal Care and Use Committee (IACUC; 2017-present)
7. Chair, Sponsored Projects Working Group (2017-present)
8. Steering Committee Coordinator, {IC}3: Industry Consortium for Innovations in Communications, Information, and Cyberspace (2012 – 2016)
9. Founding Co-Director, Cluster for Computational Research (September 2007-October 2010).
10. Founding leader, Louisiana Tech Access Grid deployment and operating group (2005-2010).
11. Member, Louisiana Tech University Graduate Council (2014-2016)
12. Member, College of Engineering and Science Leadership Team, Louisiana Tech University (2012-2016)
13. Member, Information Systems and Access Team for Wylie Tower & Prescott Memorial Library Replacement project (January 2016 – March 2016)
14. Member, International Recruitment Committee, Louisiana Tech University. (2012-2016)
15. Member, National Conference on Women in Information Technology (NCWIT) Aspiration Awards Committee (2013-2014)
16. Technical Advisor, Grambling State University SACS accreditation (2009; with Dr. Terry McConathy)
17. University Representative, SURA-Grid Initiative (SURA: Southeastern Universities Research Association) (2005- 2008; with Dr. Dick Greenwood)
18. Committee Member, LONI Tech Day Organizing Committee (December 2004-February 2005)

19. University Senator, Louisiana Tech University Faculty Senate (September 2004-May 2007)
20. Committee Member, Louisiana Optical Network Initiative (LONI) Deployment Committee (September 2004-October 2006)
21. Ph.D. in Computational Analysis and Modeling Steering Committee (2007-2012)
22. Graduate Coordinator, Masters in Computer Science, Louisiana Tech University (2007-2012)
23. Coordinator, Ph.D. in Computational Analysis and Modeling Program Computer Science Qualifying Exam (2007- 2009)
24. Member, Graduate Student Applications Review Committee (2008-2010)
25. Program Representative, SACS accreditation committee (college-wide)
26. Leadership Team Associate, COES Leadership Team Faculty Associate (2005)
27. Program Architect, New 'Track in Bioinformatics' in the Ph.D. in Computational Analysis and Modeling (CAM) program (2004-2005).
28. Member, Computer Science Program Graduate Subcommittee (2004- 2005)
29. Department Representative, Computer Science Program in the 'Time-out at Tech', a student recruiting initiative (2003)

COMMUNITY INVOLVEMENT

1. Vice President, Thought4Food, Inc. (501(c)(3), food rescue organization.
2. Board Member, Information Sciences Board, Lifeboat Foundation.
3. Judge, Region II Science and Engineering Fair (senior, 8th, 7th, and 6th-grade Mathematics) held at Louisiana Tech University, April 2009.
4. Judge, Inter-School Lincoln-Douglas Debate Format Competition, Ruston High School, Ruston, Louisiana, October 2009.
5. Judge, Inter-school Lincoln-Douglas Debate Format Competition, Ruston High School, Ruston, Louisiana, February 2009.
6. Advisory Board Member, Information Science Board, Lifeboat Foundation, July 2008-present.
7. Secretary, Indian Association of North Louisiana, 2004-2005.
8. Judge, Region II Science and Engineering Fair (senior, 8th, 7th, and 6th-grade Math) held at Louisiana Tech University, March 11, 2004.
9. Judge, Region II Science and Engineering Fair (7th grade overall) held in Student Center, Louisiana Tech University on February 7, 2003.

COURSES TAUGHT (SELECTED)

Louisiana Tech University:

1. ITEC 110: Foundations of Information Technology
2. CSC 120: Introduction to Computer Programming
3. CSC 122: Object-oriented Programming
4. CYEN 400: Cyber Futures

5. CSC 425: Discrete Mathematics, Data Structures, and Algorithms
6. CSC 437: Programming Paradigms and Software Development
7. CSC 438: Advanced Data Structures and Algorithm Design
8. CSC-493/579: Data Mining and Knowledge Discovery *[New course developed]*
9. CSC 499: Biomedical Informatics *[New course developed]*
10. CSC 557: Data Mining for Bioinformatics *[New course developed]*
11. CSC 580: Advanced Data Mining for Bioinformatics *[New course developed]*
12. CSC-580: Advanced Data Mining, Fusion, and Applications *[New course developed]*

Louisiana State University:

CSC-1250: Introduction to Computer Programming

PROFESSIONAL OVERVIEW

- 22+ year track record of visible and service-centered leadership, inspiring shared vision, steering large-scale organizations, promoting scholarship, cultivating research efforts and impactful partnerships, and encouraging a high degree of excellence, integrity, and professionalism in both word and action.
- Passion for seeking diverse perspectives and relationships to engender trust and unite others around shared values and vision, while cultivating a transparent environment centered on open communication and mutual respect to optimize faculty and student satisfaction and performance.
- Penchant for building and leading winning multidisciplinary teams to effectively respond to extramural opportunities to meet diverse research and academic needs.
- Track record of success steering multi-million-dollar research and partnership budgets and establishing financial strategies that strengthen revenue streams, optimize resources, and increase stability.
- Career history pioneering and leading multidisciplinary academic programs through rapid enrollment increases and economic and educational challenges.
- Established a diverse range of new curricula to fulfill current and emerging needs, prepare students for future endeavors, and make the learning process engaging.
- Skilled at meeting the changing needs of the community and establishing firm high-performing public-private partnerships across the industry and diverse public.
- Demonstrated ability to anticipate current and future organizational needs and understand the educational challenges faced by students.

SELECTED ACHIEVEMENTS

- Co-lead the university's 2030 strategic planning efforts by cultivating input from various stakeholders.
- Co-authored/edited 5 books, 70 peer-reviewed publications, 34 abstracts, and 9 book chapters.
- Served as a regular expert panelist for 65+ federal review panels for the National Institutes of Health (NIH) and National Science Foundation (NSF) and presented 15 workshops, 17 keynote and plenary talks, and over 70 other invited talks locally and internationally.
- Steered the business development and operations of a ~\$30M 75K sq ft building with highly sensitive facilities to support sensitive projects and diverse partner collaborations.
- Spearheaded 40+ unique scientific research projects supported by the NIH, NSF, AFOSR, AFRL, AFGSC, NASA, and Louisiana Board of Regents.
- Leveraged research expertise to advise over 25+ Ph.D. dissertation and M.S. thesis students and 8 M.S. practicum in artificial intelligence-related areas, with biomedical informatics and cyber applications.
- Accomplished a wide range of awards and accolades, including the Louisiana Tech Foundation Professorship Award for Excellence in Research, Teaching, and Service.
- Attained \$17M+ of funded grants and contracts (Principal Investigator/Co-investigator portion only) and led \$75M+ of sponsored projects (Project leader/Site Director only).
- Deep and broad understanding of the accreditation guidelines, procedures, and intended outcomes through service as a reviewer for international and national accreditation bodies, as a member of 35+ External Review Teams (10+ as Team Chair) of various university programs.
- Orchestrated the recruitment of over 40 diverse faculty and staff to meet emerging needs and sustain organizational success in strategic areas.
- Cultivated engagement with industry leaders and explored new opportunities by leading \$13M+ in Cooperative Endeavor Agreements (CEAs).
- Developed a trusted relationship with federal and state agencies to ensure consistent and impactful applied research support for faculty and staff and create unique student opportunities.

**BOARD OF SUPERVISORS FOR THE
UNIVERSITY OF LOUISIANA SYSTEM**

PERSONNEL COMMITTEE

October 26, 2023

Item J.2. **University of Louisiana at Monroe's** request for approval to appoint Dr. Wendy Bailes as Interim Dean of the College of Health Sciences effective July 1, 2023.

EXECUTIVE SUMMARY

The University requests approval to appoint Dr. Wendy Bailes as Interim Dean of the College of Health Sciences effective July 1, 2023 at an annual salary of \$157,429. The staff recommends approval.

RECOMMENDATION

It is recommended that the following resolution be adopted:

***NOW, THEREFORE, BE IT RESOLVED,** that the Board of Supervisors for the University of Louisiana System hereby approves University of Louisiana at Monroe's request for approval to appoint Dr. Wendy Bailes as Interim Dean of the College of Health Sciences effective July 1, 2023.*

**Office of the President**

University Library 632 | 700 University Avenue | Monroe, LA 71209-3000

P 318.342.1010 | F 318.342.1019 | ulm.edu

September 29, 2023

Dr. James B. Henderson, President
University of Louisiana System
1201 North Third Street, Suite 7-300
Baton Rouge, LA 70802

Dear Dr. Henderson:

The University of Louisiana Monroe (ULM) respectfully requests approval of Dr. Wendy Bailes as Interim Dean of the College of Health Sciences to replace Dr. Donald Simpson. Dr. Donald Simpson has resigned from the position of Dean of the College of Health Sciences and has returned to faculty status.

Dr. Bailes has served as an administrator for the College of Health Sciences since 2014. Enclosed is a copy of her curriculum vitae. Over the last 9 years, she has assumed administrative positions with increasing levels of responsibility.

While we search for a permanent dean, I am confident in Dr. Bailes to lead the College of Health Sciences. She has demonstrated herself as a strong administrator with innovative ideas to continue to meet the growing demand for highly skilled health professionals. Her dedication and expertise make her an excellent interim leader for the college.

Thank you for your consideration of our request.

Sincerely,

Ronald L. Berry, D.B.A.
President

#TAKEFLIGHT

Curriculum Vitae

WENDY B. BAILES

ADDRESS:

301 Comanche Trail
West Monroe, LA 71291

TELEPHONE:

Cell: 318-355-2479
Work: 318-342-1733

PERSONAL:

Husband: Jay Bailes
Daughter: Taylor Bailes (21)

EDUCATION:

Doctor of Philosophy, Nursing Science

University of Mississippi Medical Center, Jackson, MS, 2014

Master of Science in Nursing, Healthcare Education

University of Phoenix, Phoenix, AZ, 2006

Bachelor of Science in Nursing

Northeast Louisiana University, Monroe, LA, 1993

Bachelor of General Studies, Business

Northeast Louisiana University, Monroe, LA, 1987

WORK EXPERIENCE:

ADMINISTRATION:

May 24, 2023-Present

Professor (full-time)
Interim Dean
College of Health Sciences
The University of Louisiana Monroe
Monroe, LA

August 1, 2019-May 24, 2023

Associate Professor (full-time)
Director
The University of Louisiana Monroe
Kitty DeGree School of Nursing
Monroe, LA

July 1, 2017-July 31, 2019

Associate Professor (full-time)
Interim Director
The University of Louisiana Monroe
Kitty DeGree School of Nursing
Monroe, LA

May 2015-June 30, 2017

Associate Professor (full-time)
Associate Director, Undergraduate Programs
The University of Louisiana Monroe
Kitty DeGree School of Nursing
Monroe, LA

August 2014-May 2015

Associate Professor (full-time)
Coordinator of Nursing Interventions
The University of Louisiana Monroe
Kitty DeGree School of Nursing
Monroe, LA

TEACHING:

August, 2014-present

Associate Professor (full-time)
University of Louisiana Monroe
Kitty DeGree School of Nursing
Monroe, LA

August, 2022-August 4, 2023

Adjunct Instructor
Northwestern State University
Major Professor, Doctor of Nursing Practice Program

August, 2007-2014

Assistant Professor (full-time)
The University of Louisiana at Monroe
School of Nursing
Monroe, LA

January, 2005-May 2007

Instructor (full-time)
The University of Louisiana at Monroe
School of Nursing
Monroe, LA

PROFESSIONAL EXPERIENCE:

December, 2004-December 2009

Staff RN (prn)
Glenwood Regional Medical Center
West Monroe, LA

February, 1996-December, 2004

Staff RN (full-time)
Glenwood Regional Medical Center
West Monroe, LA

June, 1993-January, 1996

Staff RN/DON (full-time)
North Louisiana Dialysis Center/Ruston Kidney Center
Monroe/Ruston, LA

ACADEMIC RESPONSIBILITIES

University of Louisiana at Monroe

May 24, 2023-Present

Interim Dean
College of Health Sciences

August 1, 2022-August 4, 2023

Adjunct Instructor-Northwestern State University
NURG 7010, DNP Project Practicum 1 (Fall)
NURG 7011, DNP Project Practicum 2 (Spring)
NURG 7012, DNP Project Practicum 3 (Summer)

August 1, 2021-May 24, 2023

Director
NURS 4026, Online Research/Remediation Course
NURS 2000, Nursing Concepts

August 1, 2019-July 2021

Director
NURS 4026, Online Research/Remediation Course

July 1, 2017-July 31, 2019

Interim Director

January 2016-June 30, 2017

Associate Director, Undergraduate Programs
NURS 4026, Online Research/Remediation Course

May 2015-December 2015

Associate Director, Undergraduate Programs
NURS 2011, Online RN to BSN, Intro to Gerontological Nursing

August 2014-May 2015

Coordinator of Nursing Interventions
NURS 4001, Online RN to BSN, Evidence Based Practice

August 2014-December 2014

Coordinator of Nursing Interventions

NURS 4030, Online RN to BSN, Nursing Research

August 2013-August 2014

NURS 4064, Semester V Nursing Management Concepts

NURS 4065, Semester V Nursing Management Practicum

NURS 4037, Semester V Professional Issues & Trends-Online

August 2012-May 2013

NURS 4064, Semester V Nursing Management Concepts

NURS 4065, Semester V Nursing Management Practicum

NURS 4037, Semester V Professional Issues & Trends-Online

NURS 4030, Semester III Guest Lecturer for Quantitative Research

January 2011-May 2012

NURS 4064, Semester V Nursing Management Concepts

NURS 4065, Semester V Nursing Management Practicum

NURS 4074, Semester V Nursing Management Concepts

NURS 4075, Semester V Nursing Management Practicum

August 2010-December 2010

NURS 4064, Semester V Nursing Management Concepts

NURS 4065, Semester V Nursing Management Practicum

January, 2010-May 2010

NURS 304, Semester II Nursing Science, Beginning Medical-Surgical Nursing

NURS 404, Semester IV Nursing Science Theory

NURS 465, Semester V Nursing Management Practicum

August, 2009-December 2009:

NURS 304, Semester II Nursing Science, Beginning Medical-Surgical Nursing

NURS 404, Semester IV Nursing Science Theory

NURS 405, Semester IV Nursing Science Practicum

NURS 306, Semester II Nursing Seminar

August, 2006-May 2009:

NURS 304, Semester II Nursing Science, Beginning Medical-Surgical Nursing

NURS 305, Semester II Nursing Science Practicum

NURS 306, Semester II Nursing Seminar

January, 2006-May, 2006:

NURS 304, Semester II Nursing Science, Beginning Medical-Surgical Nursing
NURS 305, Semester II Nursing Science Practicum
NURS 306, Semester II Nursing Seminar
NURS 437, Semester V Professional Issues and Trends-Online Course

August, 2005-December, 2005:

NURS 304, Semester II Nursing Science, Beginning Medical-Surgical Nursing
NURS 305, Semester II Nursing Science Practicum
NURS 306, Semester II Nursing Seminar

May, 2005-August, 2005:

NURS 323, Semester III Nursing of Children-Accelerated
NURS 334, Semester III Nursing of Children-Traditional

January, 2005-May, 2005:

NURS 304, Semester II Nursing Science, Beginning Medical-Surgical Nursing
NURS 305, Semester II Nursing Science Practicum
NURS 306, Semester II Nursing Seminar

UNIVERSITY SERVICE ACTIVITIES

University

University Convocation; May 2023 Medical Team
University Convocation; December 2022 Medical Team
University Convocation; May 2022 Medical Team
University Convocation; December 2021 Medical Team
Women Take Flight Mentor 2022-2023
Women Take Flight Mentor 2021-2022
ULM Student Mentorship Program 2019-2020
University Convocation; May 2021 Medical Team
University Convocation; December 2019 Medical Team
University Convocation; May 2019 Medical Team
University Convocation; May 2018
University Convocation; December 2017
"Browse on the Bayou"; Fall 2019
High School Career Fair; August 2018
"Browse on the Bayou"; Spring 2018
"Browse on the Bayou"; Fall 2017
High School Career Fair; August 2017
High School Career Fair; August 2016
"Browse on the Bayou"; Spring 2016
"Browse on the Bayou"; Fall 2015
High School Career Fair; August 2015
"Browse on the Bayou"; Fall 2015

“Browse on the Bayou”; Spring 2015
 “Browse on the Bayou” eULM; Spring 2015
 University Convocation; May 2015
 “Browse on the Bayou”; Fall 2014
 University Convocation; May 2014
 University Convocation; December 2012
 University Convocation; December 2011
 High School Career Fair; August 2010
 High School Career Fair; August 2009
 High School Career Fair; August 2007
 High School Career Fair; August 2006
 University Convocation; December 2010
 University Convocation; May 2010
 University Convocation; December 2009
 University Convocation; December 2008
 University Convocation; December 2006
 Volunteered at the La. DHH Special Needs Shelter during Hurricane Gustav;
 September 2008
 Volunteered at the La. DHH Special Needs Shelter during Hurricane Katrina;
 September 2005
 “Browse on the Bayou”; Spring 2008

School of Nursing

Implemented PreNursing Workshops for Fall/Spring to introduce freshman and transfer students to the Nursing profession, School of Nursing and College Success
 Implemented articulation agreement with LCTCS and Oschner’s to provide pathway for BSN faculty at LCTCS and staff at Oschner’s to attain MSN degree at ULM
 Implemented inaugural Nurse Boot Camp for high school students June 2022
 Implemented FTRN articulation agreement with LCTCS to provide seamless educational bridge from ADN to BSN to increase number of baccalaureate prepared nurses.
 AACN Leads-Implementation of Individual Leadership Project (ILP) for Fall 2021. Creating a touch point with first time Freshmen (ftf) majoring in PreNursing, utilizing Student Nurse Association (SNA) members as mentors.
 AACN Leads-Advancing Academic Leadership Fellow 2021-2022
 Vice Chair, Nursing Supply and Demand Council, 2021-2022
 Blue Cross Blue Shield NELA HCA grant for adjunct nursing faculty. Coordinator with Workforce Development Board 83 to implement grant at ULM.
 Member Louisiana Nursing Supply and Demand Council, 2019-2022
 Treasurer, Louisiana Council of Administrators of Nursing Education 2018-2021
 Wharton Executive Leadership Program Fellow August 2016
 Selected by AACN as one of two faculty from School of Nursing to attend QSEN conference in San Antonio, January 2010
 Served on Reaccreditation Committee and revised program plan in preparation for accreditation visitors, Summer and Fall 2009
 SNA Faculty Advisor, 2007-2009

Coordinated/supervised ULM School of Nursing student-led presentations at Riser Middle School, Rayville Middle School, Winnsboro Middle School under Susan Komen grant, 2006-2008

Attended Nurse Educator's LTAC at Ft. Lewis, Wa, July 17-22, 2006 as SON and ULM Representative.

Assisted with pre-nursing advising, September 2006

Boy Scout Explorer Post; Spring 2008

Boy Scout Explorer Post; Fall 2007

Boy Scout Explorer Post; Spring 2007

Boy Scout Explorer Post; Fall 2006

Boy Scout Explorer Post; Spring 2006

Boy Scout Explorer Post; Fall 2005

University Committees

School Director Council-Chair 2022-2023

CARE Team 2021-2022

IRB Committee 2021-2022

IRB Committee 2020-2021

IRB Committee 2019-2020

Graduate Council 2022-2023

Graduate Council 2021-2022

Graduate Council 2020-2021

Graduate Coordinators 2021-2022

Graduate Coordinators 2020-2021

Advising Committee 2021-2022

Advising Committee 2018-2019

Advising Committee 2017-2018

Advising Committee 2016-2017

Advising Committee 2015-2016

Advising Committee 2014-2015

Conduct Standards Committee 2022-2023

Conduct Standards Committee 2021-2022

Conduct Standards Committee 2020-2021

Conduct Standards Committee 2019-2020

Conduct Standards Committee 2018-2019

University Medical Committee 2022-2023

University Medical Committee 2021-2022

University Medical Committee 2020-2021

University Medical Committee 2019-2020

Library Committee 2018-2019

Library Committee 2017-2018

Library Committee 2016-2017

Library Committee 2015-2016

Library Committee 2014-2015

Library Committee 2013-2014

Title IX Committee 2022-2023

Title IX Committee 2021-2022
Title IX Committee 2020-2021
Title IX Committee 2019-2020
Title IX Committee 2018-2019
Faculty Workload Committee 2015-2016
Foundation Awards for Excellence: Faculty University Selection Committee 2014-2015

College of Health and Pharmaceutical Sciences Committees

College Administrative Council 2017-2018
Dean Search Committee, College of Health Sciences (Chair) 2017-2018
Foundation Awards Committee (Chair) 2016-2017
Foundation Awards Committee 2015-2016
Foundation Awards Committee (Chair) 2014-2015
Tenure and Promotion Committee 2014-2015

College of Health Sciences Committees

Interprofessional Education Committee 2022-2023
Interprofessional Education Committee 2021-2022
Interprofessional Education Committee 2020-2021
Interprofessional Education Committee 2019-2020
Interprofessional Education Committee 2018-2019
Ethical and Professional Conduct Committee (Ex-officio) 2021-2022
Ethical and Professional Conduct Committee (Ex-officio) 2020-2021
Ethical and Professional Conduct Committee (Ex-officio) 2019-2020
Ethical and Professional Conduct Committee (Ex-officio) 2018-2019
College Administrative Council 2021-2022
College Administrative Council 2020-2021
College Administrative Council 2019-2020
College Administrative Council 2018-2019
Graduate Committee (ex-officio) 2021-2022
Graduate Committee (ex-officio) 2020-2021
Graduate Committee (ex-officio) 2019-2020
Graduate Committee (ex-officio) 2018-2019

School of Nursing Committees

Director overseeing all committee's July 2017-Present
Endowed Chair Search Committee (Chair) October 2016-March 2017
Admission and Academic Standards (Chair)-August 2014-August 2017
Tenure and Promotion (Chair)-February 2015-August 2017
Curriculum Committee-August 2014-August 2017
Convocation Committee (Chair)-January, 2011-May 2014
A & E-January, 2005-May 2014
Admission and Academic Standards-August, 2006-May, 2007, August 2011-May 2014
ULM SON Director Search Committee-2010-2011
Assessment and Evaluation (Chair)-August, 2006-August, 2010

Newsletter Committee-August, 2007-January, 2010
Reaccreditation Committee-January, 2009-December, 2009
Resource and Technology-August, 2005-May, 2006
Ethics, Bylaws, and Policies-August, 2005-May, 2006
Joan Borysenko Planning Committee-August, 2005 to March, 2006

PROFESSIONAL ORGANIZATION MEMBERSHIP

Sigma Theta Tau
Phi Kappa Phi
American Association of Colleges of Nursing
American Nurses Association
Louisiana State Nurses Association

AWARDS AND HONORS

Kitty DeGree Eminent Scholars Endowed Chair in Nursing
ULM Student Mentorship Program, Mentor of the Year, 2020
Willis Knighton Endowed Professorship for Nursing Past Holder
Sister Jerome Crowley Professorship in Nursing Past Holder
Glenwood Regional Medical Center Professorship in Nursing Past Holder
Laura C. Blair Scholarship UMMC 2011
Dean's Scholarship UMMC 2011-2012
AACN/AfterCollege Scholarship 2011-2012
Promise of Nursing NSNA Scholarship 2012-2013
Mississippi Baptist Hospital/Gilfoy School of Nursing Scholarship 2012-2013

PROFESSIONAL PRESENTATIONS

NATIONAL

Using the Nursing Skills Lab as a Clinical Site, poster presentation, January 4-7, 2009, Orlando, Florida, Mosby Faculty Development Institute.

REGIONAL

Mentoring for Student Retention, poster presentation, November 6, 2020, Virtual, Translating Research Into Practice Conference, OLOL, FMOLHS

The Nursing Practice Environment and Patient Satisfaction, podium presentation, April 15, 2016, Bossier City, Louisiana, 2016 Region 6 Annual Research & Evidence Based Practice Conference "Answering the Call: Nursing's Global Impact".

The Nursing Practice Environment and Value Based Purchasing, podium presentation, April 3, 2014, Jackson, Mississippi, UMMC, Ogilvie Papers Day, Sigma Theta Tau Symposium.

The Nursing Practice Environment and Patient Satisfaction, poster presentation, October 25, 2013, Jackson, Mississippi, UMMC, Research Day in the School of Graduate Studies in Health Sciences.

The Nursing Practice Environment and Patient Satisfaction, poster presentation, June 13, 2013, Jackson, Mississippi, UMMC, Doctoral Seminar Day.

The Nursing Practice Environment and Patient Satisfaction, poster presentation, April 25, 2013, Jackson, Mississippi, UMMC, Ogilvie Papers Day, Sigma Theta Tau Symposium.
An Analysis of Cultural Awareness, poster presentation, April 7, 2011, Jackson, Mississippi, UMMC, Ogilvie Papers Day, Sigma Theta Tau Symposium.
Using the Nursing Skills Lab as a Clinical Site, podium presentation, June 6, 2009, Little Rock, Arkansas, UAMS, Hats off to Nursing conference.

LOCAL

Mentoring for Student Retention, poster presentation, March 29, 2021, Virtual, College of Health Sciences, ULM
Disparities Committee Presentation-Race/Ethnicity/HCAHPS results, January 30, 2013, University of Mississippi Medical Center.
IWTP Workshop-Critically ill patients outside the ICU, July 5-9, 2010, University of Louisiana at Monroe.

SCHOLARLY PRESENTATIONS: Presented in partial fulfillment of University of Mississippi Medical Center PhD nursing criteria

March 2014: Dissertation Defense

May 2012: Research Proposal

May 2012: Funding Proposal

October 2011: Descriptive Phenomenology

July 2011: Culturally Competent Research of Internationally Educated Nurses

April 2011: Exploring Cultural Awareness and Role Performance for Internationally Educated Nurses

April 2011: When East Meets West

November 2010: Contemporary Epoch

PUBLICATIONS

An Integrative Review of the Nursing Practice Environment Using the PES-NWI Instrument.
Journal article submitted to SAGE Open, March 31, 2014.

Nursing's Ethical Responsibilities in Value Based Purchasing. Journal article submitted to OJHE
Online Journal of Health Ethics, April 9, 2014. Accepted for publication Fall 2014.

EDITORIAL BOARDS, PUBLICATIONS REVIEWER

Online Journal of Health Ethics, 2014-Present. Publications Reviewer

Nursing Open, 2014-Present. Publications Reviewer

Book reviewer for *Saunders Strategies for NCLEX Success*, 7th edition, 2017

Book reviewer for *Effective Leadership and Management in Nursing*, 8th ed. 2016

Chapter contributor to *Healthcare System Transformation for Nurse Leaders: Creating a Culture of Caring*. 2013

SCHOLARLY PUBLICATIONS: Presented in partial fulfillment of University of Mississippi Medical Center PhD nursing criteria

March 2014: The Registered Nurse Perception of Nursing Practice Environment and Patient Satisfaction of Nursing Care in Acute Care Facilities

May 2012: Ethics and Minority Populations

May 2012: Research Proposal

May 2012: Funding Proposal

December 2011: Research Design

April 2011: Exploring Cultural Awareness and Role Performance for Internationally Educated Nurses

December 2010: Philosophical Underpinnings to Guide Dissertation Research

December 2010: Policy on Foreign Educated Nurses in the Nursing Workforce

GRANTS

Board of Regents, The Anatomage Clinical Table: bringing Pathophysiology and Clinical Care to Life, 2021 (Wendy Bailes (PI), Donna Glaze, Jan Shows, Caroline Carpenter, Susan Lacey)
Nursing Education Anywhere: A ULM Nursing Mobile Computing Initiative, 2009-10
Susan Komen Grant, Introduction to Adolescent Breast Health, 2007-8
Co-director of grant to reach adolescent girls in performing self-breast exams

RESEARCH

The Registered Nurse Perception of Nursing Practice Environment and Patient Satisfaction of Nursing Care in Acute Care Facilities. Specifically examining Academic Health Science Centers located within the Southern Region.

COMMUNITY SERVICE ACTIVITIES

LHC Group-St. Francis Specialty Hospital. Governing Board member 2013-Present

McClendon Baptist Church, Member 1991-present

Women's Adult I Teacher-August 2018-Present

Youth Leader 1991-1999

Sunday School Teacher-College, 2004-2008

Women's Adult I Class-August 2008-January 2011

Children's Department Secretary-January 2011-July 2011

Sunday School Teacher-1st Grade, March 2012-August 2012

Sunday School Teacher-3rd Grade, June 2014-2015

Sunday School Teacher-5th Grade, August 2015-July 2017

Haiti Mission Trip- May 2018

Haiti Mission Trip- May 2017

West Monroe High School Band Booster, Executive Board Vice President, 2016-2017

Glenwood Regional Medical Center School Based Health Clinic Committee Member, 2006-2016.

Servant Camp, Co-leader of mission's camp for 4th-5th graders, July 7-11, 2014.

Run for Mercy Committee Member, Mercy Ministries, May 2014-November 2014.

St. Francis Medical Center Ethics Committee Member, 2014.

Susan Komen, Race for the Cure, September 2013.

Student Life Camp, Attended weeklong camp as adult counselor with church, May 27-31, 2013.

Servant Camp, Co-leader of mission's camp for 4th-5th graders, July 8-12, 2013.

Susan Komen, Race for the Cure, September 2012.

Centurykid Ministries, Attended weeklong camp as adult counselor with church, July 23-27, 2012.

Servant Camp, Co-leader of mission's camp for 4th-5th graders, July 9-13, 2012.

Monroe Fire Department 5K run, assisted students with obtaining vital signs for runners pre and post race. October, 2011.
 Susan Komen, Race for the Cure, September 2011.
 Great American Cleanup, West Monroe, Louisiana, Picked up trash from 8-12 around downtown West Monroe, March 19, 2011.
 Centurykid Ministries, Attended weeklong camp as adult counselor and camp nurse with church, July 25-29, 2011.
 Servant Camp, Co-leader of mission's camp for 4th-5th graders, July 11-15, 2011.
 Monroe Fire Department 5K run, assisted students with obtaining vital signs for runners pre and post race. October, 2010.
 Centurykid Ministries, Attended weeklong camp as adult counselor with church, July 26-30, 2010.
 Ray of Hope Ministries, Monroe, Louisiana, Assisted on Friday mornings with organizing donations received to warehouse, Summer 2010
 World Vision Child Ambassador, World Vision Organization, 2009-2010
 St. Francis Medical Center School Based Health Clinic Committee Member, 2007-2008
 Dixie Softball Coach, West Monroe Dixie Youth, Spring 2008
 T-Ball Coach, West Monroe Dixie Youth, Spring 2007
 Soccer Coach, WOYSA, January 2005-December 2008
 Provided educational updates to area hospitals regarding Central line care, 2006-7
 Susan Komen, Relay for Life, 2006
 ACLS/PALS Instructor 2004-2006

CONTINUING EDUCATION

October 2022- Academic Nursing Leadership Conference, Washington, DC, 7.25 Contact Hours
June 2022-NONPF Faculty Workshop: BSN-DNP: Entry to Practice, Virtual, 14.9 Contact Hours
March 2022- Academic Nursing Leadership Conference, Washington, DC, 9.25 Contact Hours
October 2021-Academic Nursing Leadership Conference, Washington, DC 8.25 Contact Hours
June 2021- Advancing Academic Leadership for New Deans, Session 2, Virtual Conference
March 2021- Academic Nursing Leadership Conference, Virtual Conference 7.0 Contact Hours
March 2021-Advancing Academic Leadership for New Deans, Session 1, Virtual Conference
November 2020-TRIP Conference, Virtual
October 2019-Academic Nursing Leadership Conference, Washington, DC
March 2019-2019 Spring Executive Development Series Washington, DC
February 2019- Advancing Nursing Knowledge through Teaching, Service, and Research, Lambda Mu Sigma Theta Tau Conference, 5.5 credit hours
January 2019-Infusing Quality and Safety7 Education for Nurses into Your Curriculum, ULM KDSO, 5 Contact Hours
November 2018-201E: Facilitator Skills and IPE Event Design, UAMS Presentation, 3 credit hours
November 2018-Teaching Undergraduate Nursing Students in India: Viewing Service Learning from Two Unique Perspectives, 1 Contact Hour
October 2018-NGN Next Generation NCLEX Overview, LACANE Meeting, 4 credit hours
January 2018-NCLEX UPDATE from Mountain Measurement Workshop, 1 credit hour

October 2017-Plenary: National Policy Priorities to Address the Opioid Addiction, 2017 Academic Nursing Leadership Conference, 1 credit hour

October 2017-AACN Membership Meeting, 2017 Academic Nursing Leadership Conference, 2 credit hours

October 2017-Opening Plenary: Futuristic Problem Solving: Applying the Latest Technology Using the Lens of an Inventor, 2017 Academic Nursing Leadership Conference, 1.5 credit hours

October 2017-Emerging Solutions: Planning and Optimizing Budget Allocations, 2017 Academic Nursing Leadership Conference, 1.25 credit hours

October 2017-Emerging Solutions: Building Successful Academic-Practice Partnerships, 2017 Academic Nursing Leadership Conference, 1.25 credit hours

January 9, 2017-Test Construction and Item Analysis: A Workshop for Faculty at the School of Nursing University of Louisiana Monroe, 6 contact hours

November 10, 2016-Legal Matters for Academic Leaders, Nicholls State University, 4 contact hours

November 2016-Academia and Practice Closing Plenary: Continuing the Dialogue: Synthesis of Themes and Next Steps for Continued Collaboration between Chief Nursing Officers and Deans of Schools of Nursing, AACN 2016 Fall SemiAnnual Meeting, 1 credit hour

October 2016-Academia and Practice Plenary: Opportunities for Collaboration around Healthcare Transformation, AACN 2016 Fall SemiAnnual Meeting, 1.5 credit hours

October 2016-Academia and Practice Plenary: Forecasting the Future of Healthcare Delivery: A New Era for Academic Nursing, AACN 2016 Fall SemiAnnual Meeting, 1 credit hour

October 2016-Opening Plenary: Measures that Matter: Regarding Engaged Scholarship in Promotion and Tenure, AACN 2016 Fall SemiAnnual Meeting, 1.25 credit hours

October 2016-Leadership Plenary: Advancing Higher Education at the National Level: What Lies Ahead? AACN 2016 Fall SemiAnnual Meeting, 1 credit hour

October 2016-Emerging Solutions: Making Sense of Making Cents: Budgeting for Success, AACN 2016 Fall SemiAnnual Meeting, 1.25 credit hours

April 2016-Legal Issues in the Classroom: What do you Do?, ULM Kitty DeGree School of Nursing, 1 contact hour

April 2016-2016 Region 6 Annual Research & Evidence Based Practice Conference “Answering the Call: Nursing’s Global Impact”, NSU Nursing CE & Beta Chi, STTI, 6.25 contact hours

December 2015-Transformational Leadership-A Growing Promise for Nursing, ANCC, 1 contact hour

December 2015-Staying Cool Under Fire, OnCourse Learning, 1 contact hour

April 2015-Region 8 Coalition Forum, ULM Kitty Degree School of Nursing, 3.5 contact hours

January 2014-Dissertation Research, University of Mississippi Medical Center, PhD, 4 credit hours

August 2013-Dissertation Research, University of Mississippi Medical Center, PhD, 1 credit hour

August 12, 2013-Highlights from 2013 QSEN National Forum: Embracing New Heights, ULM Kitty Degree School of Nursing, 1 contact hour.

May 14, 2013-Writing NCLEX style Test Items to Promote Critical Thinking, ULM Kitty Degree School of Nursing, 5 contact hours.

March 18, 2013-Inside Story on Cardiac Surgery, ULM Kitty Degree School of Nursing, 1 contact hour.

January 2013- Dissertation Research Proposal, University of Mississippi Medical Center, PhD, 1 credit hour

August 2012- PHN 780, Special Topics-HCAHPS, University of Mississippi Medical Center, PhD, 3 credit hour

August 2012-Dissertation Research Proposal, University of Mississippi Medical Center, PhD, 1 credit hour

August 2012- Journal Club, University of Mississippi Medical Center, PhD, 1 credit hour

June 2012-PHN 780, Writing for Proposal, University of Mississippi Medical Center, PhD, 2 credit hour

June 2012- Journal Club, University of Mississippi Medical Center, PhD, 1 credit hour

February 2012- Southern Nursing Research Conference, February 22-25, 2012, New Orleans, Louisiana

January 2012-Writing for Funding, University of Mississippi Medical Center, PhD, 2 credit hour

January 2012-Ethics in Research, University of Mississippi Medical Center, PhD, 2 credit hour

January 2012-Data Collection and Analysis, University of Mississippi Medical Center, PhD, 3 credit hour

January 2012- Journal Club, University of Mississippi Medical Center, PhD, 1 credit hour

August 2011- Journal Club, University of Mississippi Medical Center, PhD, 1 credit hour

August 2011- Qualitative Research, University of Mississippi Medical Center, PhD, 3 credit hours

August 2011-Quantitative Research Designs, University of Mississippi Medical Center, PhD, 3 credit hours

June 2011- Journal Club, University of Mississippi Medical Center, PhD, 1 credit hour

June 2011-PHN 780, Database entry, University of Mississippi Medical Center, PhD, 2 credit hours

June 2011-Transcultural Nursing Research, University of Texas Tyler, PhD, 3 credit hours

January 2011-Phenomena in Nursing Research, University of Mississippi Medical Center, PhD, 3 credit hours

January 2011-Theory Construction & Testing, University of Mississippi Medical Center, PhD, 3 credit hours

January 2011- Biostatistics II, University of Mississippi Medical Center, PhD, 3 credit hours

January 2011- Journal Club, University of Mississippi Medical Center, PhD, 1 credit hour

August, 2010-Philosophy of Science, University of Mississippi Medical Center, PhD, 3 credit hours

August, 2010-Health Policy and the Health System, University of Mississippi Medical Center, PhD, 3 credit hours

August, 2010-Biostatistics I, University of Mississippi Medical Center, PhD, 3 credit hours

August, 2010-Journal Club, University of Mississippi Medical Center, PhD, 1 credit hour

June 21, 2010-July 2, 2010, Ethics of Nursing, NCSBN, 4.80 contact hours.

June 21, 2010-July 2, 2010, Professional Accountability and Legal Liability, NCSBN, 5.40 contact hours.

January 13-15, 2010, QSEN Education Consortium, 13.5 contact hours

May 16, 2009, Certified Nurse Educator prep course, 8 contact hours.

February 16, 2009, Tips for writing NCLEX style multiple choice items, 1.5 contact hours.

January 4-7, 2009, Mosby Faculty Development Institute, 24.2 contact hours.

August 11, 2008, Nursing Test Construction Workshop, 7 contact hours.
June 5, 2008-June 6, 2008, Hats off to Nursing, 8 contact hours.
March 5, 2008-April 15, 2008, Test Development and Item Writing, 17.5 contact hours.
January 11, 2008, NCLEX Update and Overview 2007, 2 contact hours.
January 28, 2008, The Cultures of SimMan©: Simulating Safe Cultural Competency, 2 contact hours.
November 29-December 1, 2007, AACN 2007 Baccalaureate Education Conference: Striving for Quality in Baccalaureate Nursing Education, 10.75 contact hours.
November 6, 2006, Helping Students Navigate the Content: Evidence Based Teaching Strategy, 4 contact hours.
November 3, 2006, Current Trends in Diabetes Management, 4 contact hours.
September 26, 2006, Assessment and Evaluation of Learning, 3 credit hours.
September 22, 2006, Program Validation Tools-6 contact hours.
August 15, 2006, Design and Process of Curriculum Development, 3 credit hours.
July 4, 2006, Teaching and Learning Strategies, 3 credit hours.
May 16, 2006, Role of the Health Care/Nursing Educator, 3 credit hours.
April 25, 2006, Nursing Practicum-B, 2 credit hours.
March 30, 2006, Diversity in the Workplace-Glenwood Regional Medical Center
March 30, 2006, Rapid Regulatory Compliance-Glenwood Regional Medical Center
March 9, 2006, Nursing Law Update, 2006, Southwest Seminar Association, 6 contact hours
February, 2006, Research Utilization Project, University of Phoenix, MSN, 3 credit hours.
January, 2006, Population-Focused Health Care, University of Phoenix, MSN, 3 credit hours.
October 18, 2005, Guidelines for Medical/Legal Documentation, Glenwood Regional Medical Center, 2.7 Contact hours
October, 2005, Leadership and Management in Nursing and Health Care, University of Phoenix, MSN, 3 credit hours.
September, 2005, Financial Resource Management, University of Phoenix, MSN, 3 credit hours.
August, 2005, Nursing Practicum A, University of Phoenix, MSN, 1 credit hour.
June, 2005, “Influencing the Future of Nursing and Health Care”, University of Phoenix, MSN, 3 credit hours.
May, 2005, “Dynamics of Family Systems”, University of Phoenix, MSN, 3 credit hours.
March, 2005, “Analysis of Research Reports”, University of Phoenix, MSN, 3 credit hours.
January, 2005, “Hepatitis C: What Clinicians and other Professionals Need to Know”, Center for Disease Control, 3 contact hours.
January, 2005, “Theoretical Foundations of Practice”, University of Phoenix, MSN, 3 credit hours.

Updated 9/2023