

# JOSE RAFAEL SANCHEZ

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HOLLISTON, MA

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## PROFILE SUMMARY

### FOUNDING DEAN, SCHOOL OF ENGINEERING AND COMPUTATIONAL SCIENCES

Dynamic higher education executive leader with an eight-year track record as Dean fostering student success, community building, and institutional excellence. Known for integrity, vibrant energy, and a big-picture perspective. Skilled in consensus-building, empowering teams to achieve mission-driven goals through clear communication and collaborative leadership. Committed to servant leadership, bringing visionary thinking and practical execution to deliver impactful, mission-aligned results.

## EDUCATION

**Doctor of Philosophy (Ph.D.)**, Electrical and Computer Engineering, UNIVERSITY OF ILLINOIS AT URBANA-CHAMPAIGN, Urbana, IL

**Master of Science (M.S.)**, Electrical and Computer Engineering, BRADLEY UNIVERSITY, Peoria, IL

**Bachelor of Science (B.S.)**, Electrical and Computer Engineering, BRADLEY UNIVERSITY, Peoria, IL

## HIGHLIGHTS OF EXPERTISE

- Mission-Centered Strategic Planning
- Fundraising and Resource Development
- Strategic Financial Planning and Sustainability
- Collaborative Leadership
- Recruiting, Staffing, and Personnel Management
- Faculty and Student Development
- Interdisciplinary Collaboration
- Program Development and Implementation
- External Relationships and Partnerships
- Innovation in Education
- Community Board Leadership
- Technology Integration

## PROFESSIONAL EXPERIENCE

MERRIMACK COLLEGE, North Andover, MA

7/2022 – Present

**Professor (on sabbatical)**, School of Engineering and Computational Sciences (07/2024 – Present)

**Founding Dean and Professor**, School of Engineering and Computational Sciences (07/2023 – 06/2024)

**Dean and Professor (tenured)**, School of Science and Engineering (07/2022 – 06/2023)

Strategically led the school's transformation, orchestrating comprehensive academic and operational advancements to foster a dynamic learning environment for over 850 students across 14 undergraduate and eight graduate programs. Key highlights included:

- **Transformative Funding** – Secured a \$3M-\$7M estate gift, including a \$750K immediate-use pledge, to establish endowed professorships and research initiatives, bolstering academic excellence and long-term sustainability.
- **Strategic Vision and Institutional Growth** – Led the school with a \$10M budget, developing a strategic plan to position Merrimack for R2 status while securing Board of Trustees buy-in for academic and research growth.
- **Innovative Program Development** – Launched market-responsive programs such as B.S. degrees in Construction Management, Information Technology, and Electromechanical Engineering and M.S. degrees in Applied Chemistry and Information Technology, driving enrollment growth and aligning with workforce demands.
- **Research and Scholarship Excellence** – Mentored faculty with no prior grant experience, resulting in \$1.24M in research funding from first-time grant recipients and a 95% increase in peer-reviewed publications.
- **Infrastructure Expansion** – Increased the school's physical footprint from 10K to 33K square feet and developed a master plan for an additional 30K square feet to support programmatic and research growth.
- **Academic Retention and Success** – Revitalized the M.S. in Computer Science program, raising retention rates from 55% to 88% through curriculum enhancements and targeted student support initiatives.

- **Leadership and Faculty Development** – Directed a diverse team of 55 full-time and 22 part-time faculty members, navigating a significant restructuring process to enhance academic excellence and foster innovation.
- **Accreditation Leadership** – Spearheaded ABET accreditation efforts, ensuring all engineering programs adhered to rigorous academic and industry standards.
- **Industry and Community Engagement** – Established and expanded partnerships with a Board of Advisors comprising CEOs, CIOs, and government officials, ensuring academic programs aligned with evolving job market needs.

WENTWORTH INSTITUTE OF TECHNOLOGY, Boston, MA

07/2020 – 07/2022

**Founding Dean and Professor**, School of Engineering (10/2020 – 06/2022)

**Dean and Professor**, College of Engineering and Computer Science (07/2020 – 09/2020)

Provided strategic leadership for the School of Engineering, overseeing academic and operational activities for approximately 1,600 students across eight undergraduate programs, three graduate programs, and one certificate program. Guided faculty, students, and staff through a significant transformation, fostering a culture of academic excellence, innovation, and inclusivity. Key achievements include:

- **Financial Leadership and Resilience** – Managed a \$9M budget and achieved \$1.07M in financial savings during AY 2020-2021 through strategic cost-saving measures in response to the COVID-19 pandemic while reallocating \$60K to support faculty and staff professional development.
- **Program Expansion** – Launched four new graduate programs in civil, computer, electrical, and environmental engineering, addressing workforce demands and enhancing the school's academic portfolio.
- **Advancing Diversity, Equity, and Inclusion** – Developed and implemented a DEI strategic plan that improved faculty and student diversity, aligning with institutional goals for inclusive excellence.
- **Community and Industry Engagement** – Secured \$55K in funding during the pandemic by fostering partnerships with community and industry stakeholders and launching interdisciplinary projects that promoted student leadership and experiential learning.
- **Accreditation Leadership** – Played a critical role in securing ABET accreditation for the Biological Engineering program, ensuring compliance with rigorous academic and industry standards.
- **Faculty Engagement and Support** – Maintained a high 4.6/5 satisfaction rating on the Faculty Morale Survey during the pandemic, demonstrating effective leadership and support during unprecedented challenges.
- **Strategic Partnerships** – Established articulation agreements with Mass Bay Community College, creating seamless academic pathways and enhancing student mobility.
- **Governance and Operational Efficiency** – Introduced a streamlined governance structure following an academic reorganization, improving decision-making and operational processes.

UNIVERSITY OF INDIANAPOLIS, Indianapolis, IN

05/2016 – 06/2020

**Founding Director, Associate Dean, and Associate Professor (tenured)**, R. B. Annis School of Engineering

Provided strategic leadership to establish and grow the R.B. Annis School of Engineering, transforming it into a recognized leader in engineering education. Spearheaded innovative academic programs, accreditation efforts, and infrastructure expansion while fostering industry and community partnerships. Key achievements include:

- **Transformative Fundraising and Infrastructure Growth** – Secured a \$5M donation to expand engineering programs, develop state-of-the-art facilities, and acquire cutting-edge equipment, driving programmatic growth and enhancing infrastructure to serve students and faculty.
- **Innovative Program Development** – Created and implemented the nationally recognized DesignSpine interdisciplinary program, integrating innovation, entrepreneurship, and leadership into the engineering curriculum. This model positioned the school as a leader in producing industry-ready graduates.
- **Accreditation Leadership** – Authored ABET accreditation reports for all engineering programs, achieving successful initial accreditation and affirming academic excellence and rigor.
- **Resource Management and Advocacy** – Managed a \$4M budget and secured a 172% increase, ensuring the school had the resources to sustain growth and expansion.

- **Industry Engagement** – Partnered with 52 local companies in the first three months to establish industry collaborations, enhancing program visibility, internships, research opportunities, and student career placements.
- **Community and Board Engagement** – Strengthened institutional ties with the Indianapolis community by leading board partnerships and initiatives, increasing visibility, and fostering collaborations that supported student success and institutional growth.
- **Interdisciplinary Collaboration** – Fostered partnerships across STEM, business, and education programs, driving interdisciplinary initiatives that enriched the curriculum and enhanced learning outcomes.
- **Strategic Vision and Leadership** – Led a strategic visioning process that achieved unanimous faculty buy-in, aligning institutional goals with faculty expertise and stakeholder interests to drive cohesive growth and development.

BRADLEY UNIVERSITY, Peoria, IL

08/2002 – 05/2016

**Associate Professor (tenured)**, Department of Electrical and Computer Engineering (08/2015 – 05/2016)

**Assistant Professor**, Department of Electrical and Computer Engineering (08/2009 – 08/2015)

**Instructor**, Department of Electrical and Computer Engineering (08/2002 – 08/2009)

Played a multifaceted role as a dedicated member of the academic community at the Caterpillar College of Engineering and Technology, fostering excellence in education and program development. Highlights of personal contributions included:

- **Curriculum Innovation** – Redesigned the electrical engineering curriculum, aligning it with industry standards and improving students’ technical skills, particularly in embedded systems and senior capstone projects.
- **Accreditation Leadership** – Co-authored the ABET self-study report, leading to the department’s successful renewal of accreditation and ensuring the program maintained high academic and professional standards.
- **Student Success and Recruitment** – Led department recruitment efforts, significantly increasing enrollment and retention by implementing enhanced academic advising and engaging personally with prospective students and families.
- **Teaching Excellence** – Recognized with the prestigious Caterpillar Inc. Faculty Achievement Award for Teaching, reflecting a commitment to innovative teaching practices that enriched student learning experiences.

**ADDITIONAL EXPERIENCE**

UNIVERSITY OF ILLINOIS AT URBANA-CHAMPAIGN, Urbana, IL

2006 – 2008

**Graduate Teaching Assistant**, Department of Electrical and Computer Engineering,

BRADLEY UNIVERSITY, Peoria, IL

2000 – 2002

**Graduate Teaching Assistant**, Department of Electrical and Computer Engineering

**Graduate Research Assistant**, Department of Electrical and Computer Engineering

FRAUNHOFER USA, Peoria, IL

2000 – 2001

**Engineer**

## CV ADDENDUM

### BOARD SERVICE

**Board of Advisors**, EITELJORG MUSEUM, Indianapolis, IN (05/2018 – 06/2020)

**Board of Directors**, INDIANA LATINO EXPO, Indianapolis, IN (03/2018 – 01/2020)

- Secretary (10/2018 – 01/2020)

**Board of Directors**, ANDREW J. BROWN ACADEMY, Indianapolis, IN (06/2016 – 06/2022)

- Academic Committee Member (05/2020 – 06/2022)
- Vice-President (06/2019 – 06/2020)
- Secretary/Treasurer (06/2017 – 06/2019)

**Board of Advisors**, MINORITY ENGINEERING PROGRAM OF INDIANAPOLIS, Indianapolis, IN (10/2019-6/2020)

### PROFESSIONAL AND COMMUNITY SERVICE

**Program Evaluator**, AMERICAN BOARD FOR ENGINEERING AND TECHNOLOGY (2020 – present)

**Member**, American Society of Engineering Education Dean's Council (07/2020 – 07/2024)

- Data Committee Member (07/2021 – 07/2024)
- Diversity Committee Member (07/2021 – 07/2024)

**Member**, HOLLISTON SCHOOL DISTRICT, A.I. Steering Committee (11/2023 – 02/2024)

**Judge**, VEX ROBOTICS (12/2023)

**Member**, TAU BETA PI INDIANAPOLIS ALUMNI CHAPTER (01/2017 – 01/2020)

- President (2019)
- Vice-President (2018)
- Secretary/Treasurer (2017)

**Judge**, INDIANA FIRST ROBOTICS COMPETITION (01/2017 – 12/2019)

**Manuscript Reviewer** (2009 – present)

- American Society of Engineering Education
- British Journal of Mathematics
- Computer Science
- Computer Methods and Programs in Biomedicine
- IEEE Transactions on Ultrasonics, Ferroelectrics and Frequency Control
- IEEE Transactions on Biomedical Engineering
- IEEE EIT Conference, IEEE Signal Processing Workshop
- Imaging Science Journal
- Ultrasonic Imaging,
- Ultrasonics

**Volunteer Pod Leader**, ILLINOIS CANCER CENTER (2013 – 2016)

**Book Reviewer**, OXFORD UNIVERSITY PRESS (2011)

**Session Chair**, IEEE EIT 2010 INTERNATIONAL CONFERENCE (2010)

### LEADERSHIP TRAINING AND RELEVANT WORKSHOPS

**Design for Six-Sigma Green Belt Training**, CENTRIC CONSULTING (2019)

**Program Evaluator Candidate Training**, ACCREDITING BOARD FOR ENGINEERING AND TECHNOLOGY (2019)

**Advanced Program Assessment**, ACCREDITING BOARD FOR ENGINEERING AND TECHNOLOGY (2019)

**Self-study Development Workshop**, ACCREDITING BOARD FOR ENGINEERING AND TECHNOLOGY (2019)

**Leadership Academy**, AMERICAN COUNCIL ON EDUCATION (2018)

**Fundamentals of Assessment**, ACCREDITING BOARD FOR ENGINEERING AND TECHNOLOGY (2017)

### AWARDS AND CREDENTIALS

**John Andrews Award for Excellence in Service**, Caterpillar College of Engineering and Technology, BRADLEY UNIVERSITY, Peoria, IL (2013)

**Mac Van Valkenburg Early Career Teaching Award** (nomination), IEEE EDUCATION SOCIETY (2013)

**Caterpillar, Inc. Faculty Achievement Award for Teaching**, BRADLEY UNIVERSITY, Peoria, Illinois (2011)

**Senior Member**, INSTITUTE OF ELECTRICAL AND ELECTRONICS ENGINEERS, Calgary, Canada (2011)

**First-year Faculty Teaching Award** (nomination), BRADLEY UNIVERSITY, Peoria, Illinois (2010)

**2nd place Student Paper Award in Biomedical/BioResponse**, 151st Meeting of THE ACOUSTICAL SOCIETY OF AMERICA, Salt Lake City, Utah (2007)

**List of Teachers Ranked as Excellent by their Students**, UNIVERSITY OF ILLINOIS AT URBANA-CHAMPAIGN (2006)

**SURGE Fellow**, College of Engineering, UNIVERSITY OF ILLINOIS AT URBANA-CHAMPAIGN (2005 – 2009)

**Academic Excellence Scholarship, Graduate School**, BRADLEY UNIVERSITY (2001 – 2002)

**3rd place Outstanding Achievement Award in Undergraduate Scholarly Endeavor**, 8th annual Student Scholarship Exposition, BRADLEY UNIVERSITY, Peoria, Illinois (2000)

### PROFESSIONAL MEMBERSHIPS

**Member**, AMERICAN SOCIETY FOR ENGINEERING EDUCATION

**Senior Member**, IEEE (The Institute of Electrical and Electronics Engineers)

- Education Society
- Engineering in Medicine and Biology Society
- Signal Processing Society
- Ultrasonics, Ferroelectrics, and Frequency Control Society

**Member**, PROJECT MANAGEMENT INSTITUTE

**Member**, TAU BETA PI

### GRANTS

1. M. J. Morris, **J. R. Sánchez**, and K. Klotz, "The design of a low-cost and robust linkage position sensor," Caterpillar, Peoria, IL, 2013, \$10,000.
2. **J. R. Sánchez**, "Multi-learning style, module driven digital signal processing," Teaching Excellence Grant, Office for Teaching Excellence and Research Development, Bradley University, Peoria, IL, April 2012, \$3,300.
3. J. H. Irwin, and **J. R. Sánchez**, "Measure the transverse transient motion of a tensioned membrane," Research Excellence Grant, Office for Teaching Excellence and Research Development, Bradley University, Peoria, IL, April 2011, \$8,456.70.
4. K. Nair, J. P. Kelly, **J. R. Sánchez**, and J. Henderson, "Biomechanical characterization of human resting muscle tone using Myoton," Special Emphasis Grant, Office of Teaching Excellence and Research Development, Bradley University, Peoria, IL, April 2011, \$8,000.
5. **J. R. Sánchez**, J. H. Irwin Jr., A. Malinowski, and Y. Lu, "Ultrasound Research Platform for Coded Excitation and Pulse Compression," Research Excellence Grant, Office for Teaching Excellence and Research Development, Bradley University, Peoria, IL, September 2010, \$3,000.

## PEER-REVIEWED PUBLICATIONS

1. F. Cuckov, M. Rawlins, P. Junsangsri, W. Bynoe, J. McCusker, and **J. R. Sánchez**. "Engineering Reimagined: (Re)designing Next-Generation Engineering Curricula for Industry 5.0 Paper," ASEE-NE 2022, Boston, MA, April 2022.
2. G.D. Ricco, D. Olawale, **J. Sánchez**, S. Spicklemire, and P. Talaga, "A report on a new design spine implementation," IEEE Frontiers in Education Conference, Cincinnati, OH, Oct. 2019.
3. D. Olawale, **J. Sánchez**, S. Spicklemire, G. Ricco, R. Sarker, and P. Talaga, "Promoting entrepreneurial mindset development in engineering students: combining story-based learning with experiential design," IEEE Frontiers in Education (FIE) Conference, Cincinnati, OH, Oct. 2019.
4. D. O. Olawale, S. Spicklemire, **J. Sánchez**, G. Ricco, and J. Herzog, "Developing the Entrepreneurial Mindset in STEM Students: Integrating Experiential Entrepreneurship into Engineering Design," International Journal of Process Education, 2019.
5. D. O. Olawale, **J. Sánchez**, and S. Spicklemire, "Development and assessment of professional skills in STEM students: a literature review," Presented at the Process Education Conference, Gannon University, Erie, PA, June 14-16, 2018.
6. D. Olawale, **J. Sánchez**, and S. Spicklemire, "UIndy engineering DesignSpine: engineering leadership development through interdisciplinary teams and early exposure to real-life problems," Proceedings of the 2018 ASEE Illinois/Indiana Conference, 2018.
7. M. K. Malik, J. R. Chrestenson, D. Parr IV, D. Gray, H. Mitiku, T. Kahila, A. Malinowski, **J. Sánchez**, and L. M. Haverhals, "Probing ionic liquid/electrode interfaces by hyperspectral imaging," Electrochemical Society Transactions, vol. 75, no. 15, 2016.
8. F. Bamarouf, C. Crandell, S. Tsuyuki, **J. Sánchez**, and Y. Lu "Cloud-based real-time heart monitoring and ECG signal processing," Proceedings of the 2016 IEEE Sensors, pp. 1-3, 2016.
9. F. Lin, **J. Sánchez**, C. Cachard, O. Basset, and R. Lavarello, "First experimental implementation of a bandwidth enhancement pulse compression technique on an ultrasound array imaging system," Proceedings of the 2014 IEEE International Symposium on Biomedical Imaging, pp. 1188 - 1191, 2014.
10. **J. R. Sánchez**, E. Keating, S. Muir, J. Sandlund, and James Irwin Jr., "An FPGA-based coded excitation system for ultrasonic imaging using a second-order, one-bit sigma-delta modulator," Proceedings of the 2013 IEEE Electro/Information Technology, pp. 1-6, 2013.
11. J. S. Ullom, M. L. Oelze, and **J. R. Sánchez**, "Speckle reduction for ultrasonic imaging using frequency compounding and despeckling filters along with coded excitation and pulse compression," Advances in Acoustics and Vibration, vol. 2012, pp. 1-16, 2012.
12. T. Masi, K. Nair, B. Andonian, K. M. Prus, J. P. Kelly, **J. R. Sánchez**, and J. Henderson "Integrative structural, biomechanical concepts of ankylosing spondylitis," Arthritis, vol. 2011, Article ID 205904, 2011.
13. P. Linden, **J. R. Sánchez**, and M. L. Oelze, "Ultrasonic small lesion detection with coded excitation techniques," Ultrasonic Imaging, vol. 32, pp. 16-32, 2010.
14. J. S. Ullom, M. L. Oelze, and **J. R. Sánchez**, "Ultrasound speckle reduction using coded excitation, frequency compounding, and post-processing despeckling filters," Proceedings of the 2010 IEEE Ultrasonic Symposium, pp. 2291-2294, 2010.
15. **J. R. Sánchez** and M. L. Oelze, "A spatially varying pulse compression filter for coded excitation signals," Proceedings of the 2010 IEEE Ultrasonic Symposium, pp. 371-374, 2010.
16. **J. R. Sánchez**, M. Orescanin, and M.L. Oelze, "Improving image contrast using coded excitation for ultrasonic imaging," Proceedings of the 2010 IEEE Electro/Information Technology, pp. 325-330, 2010.
17. **J. R. Sánchez**, D. Poggi, and M. L. Oelze, "Use of a novel coded excitation scheme to improve spatial and contrast resolution of quantitative ultrasound imaging," IEEE Trans. Ultrason. Ferroelectr. Freq. Control, vol. 56, pp. 2111- 2123, Oct 2009.
18. D. Uppala, I. S. Ahn, **J. R. Sánchez**, and Y. Lu, "An FPGA-based ultrasound beamforming system," Central States Universities Incorporated Research Conference, Argonne, IL, September 2010.
19. **J. R. Sánchez** and M. L. Oelze, "An ultrasonic imaging speckle-suppression and contrast enhancement technique by means of frequency compounding and coded excitation," IEEE Trans. Ultrason. Ferroelectr. Freq. Control, vol. 56, pp. 1327-1339, Jul. 2009.
20. D. P. Hruska, **J. R. Sánchez**, and M. L. Oelze, "Improved diagnostics through quantitative ultrasound imaging," Proceedings of the 2009 IEEE Engineering in Medicine and Biology Society, pp. 1956-1959, 2009 (invited).

21. **J. R. Sánchez**, D. Pocci, and M. L. Oelze, "On the use of coded excitation and pulse compression to reduce estimate error of average scatterer diameters obtained from ultrasonic backscatter," 157th Meeting of the Acoustical Society of America, Portland, OR, May 2009.
22. **J. R. Sánchez** and M. L. Oelze, "Improvements in compression of coded excitation echoes by using a spatially varying Wiener filter," 157th Meeting of the Acoustical Society of America, Portland, OR, May 2009.
23. R. J. Lavarello, **J. R. Sánchez**, and M. L. Oelze, "Extending the trade-off between spatial resolution and variance in quantitative ultrasonic backscattering imaging (QUS) using full angular spatial compounding," 157th Meeting of the Acoustical Society of America, Portland, OR, May 2009.
24. **J. R. Sánchez**, D. Pocci, and M. L. Oelze, "Using resolution enhancement compression to reduce the variance of scatterer size estimates from ultrasonic backscattered signals," Proceedings of the 2008 IEEE Ultrasonics Symposium, pp. 36-39, 2008.
25. R. J. Lavarello, **J. R. Sánchez**, and M. L. Oelze, "Improving the quality of QUS imaging using full angular spatial compounding," Proceedings of the 2008 IEEE Ultrasonics Symposium, pp. 32-35, 2008.
26. M. Oelze and **J. Sanchez** "Improving biomedical ultrasonic imaging systems through coded excitation and pulse compression," 156th Meeting of the Acoustical Society of America, Miami, FL, 2008.
27. **J. R. Sánchez** and M. L. Oelze, "An ultrasonic imaging speckle suppression and contrast enhancement technique by means of frequency compounding and coded excitation," Proceedings of the 2007 IEEE Ultrasonics Symposium, pp. 464-467, 2007.
28. **J. R. Sánchez** and M. L. Oelze, "An ultrasonic imaging speckle suppression technique by means of frequency compounding and coded excitation," 153rd Meeting of the Acoustical Society of America, Salt Lake City, UT, June 2007.
29. J. Lewis, M. Kaiser, J. Irwin, Jr., and **J. R. Sánchez**, "Ultrasonic imaging in a noisy environment," 147th Meeting of the Acoustical Society of America, New York City, NY, May 2004.
30. **J. R. Sánchez** and James Irwin, Jr., "Drumhead contact time measurement using metallic leaf," 143rd Meeting of the Acoustical Society of America, Pittsburgh, PA, May 2002.
31. **J. R. Sánchez** and James Irwin, Jr., "Comparisons of theoretical and experimental transverse motion for a plucked, stiff piano string," 142nd Meeting of the Acoustical Society of America, Fort Lauderdale, FL, November 2001.

## UNIVERSITY SERVICE

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| <u>WENTWORTH INSTITUTE OF TECHNOLOGY</u> , Boston, MA  | 2020 – 2022 |
| <ul style="list-style-type: none"> <li>• Co-chair, Dean of Sciences and Humanities Search Committee (2022)</li> <li>• Member, Academic Policy Committee (2021)</li> <li>• Member, Laptop Task Force (2021)</li> </ul>  |             |
| <u>UNIVERSITY OF INDIANAPOLIS</u> , Indianapolis, IN   | 2016 – 2020 |
| <ul style="list-style-type: none"> <li>• Academic Advisor, R.B. Annis School of Engineering (2016 – 2020)</li> <li>• Chair, R.B. Annis School of Engineering Search Committee (2016 – 2019)</li> <li>• Member, Academic Master Plan (2017 – 2018)</li> <li>• Member, Space Planning Committee (2016 – 2018)</li> <li>• Member, Provost Search Committee (2016 – 2017)</li> </ul>   |             |
| <u>BRADLEY UNIVERSITY</u> , Peoria, IL   | 2002 – 2016 |
| <ul style="list-style-type: none"> <li>• Member, Electrical and Computer Engineering Tenure and Promotion Committee (2015 – 2016)</li> <li>• Representative, Electrical and Computer Engineering Space Planning Task Force (2015 – 2016)</li> <li>• Member, Biomed and Human Factors Space Committee (2015 – 2016)</li> <li>• Member, Engineering, and Business Joint Collaboration Space Committee (2015 – 2016)</li> <li>• Member, Provost's Technology Task Force Review Advisory Committee (2015 – 2016)</li> <li>• Member, Instructional Designer Search Committee (2015 – 2016)</li> <li>• Advisor, Sigma Lambda Gamma Sorority (2015 – 2016)</li> <li>• Advisor, Tau Beta Pi Student Organization (2015 – 2016)</li> <li>• Member, Provost's Technology Task Force Strategic Visioning Committee (2014 – 2016)</li> <li>• Advisor, Society of Hispanic Professional Engineers Student Organization (2014 – 2016)</li> </ul> |             |

- Academic Advisor (sophomores, juniors, and transfers), Department of Electrical and Computer Engineering (2013 – 2016)
- Member, University Senate (2013 – 2016)
- Advisor, Institute of Electrical and Electronics Engineers Student Organization (2013 – 2016)
- Member, Center for Teaching Excellence and Learning Advisory Board (2012 – 2016)
- Member, Electrical and Computer Engineering Curriculum Committee (2012 – 2016)
- Recruiter, Admissions Engineering Visit and Recruitment (2009 – 2016)
- Member, Electrical and Computer Engineering ABET Committee (2002 – 2016)
- Speaker, Spring Forum 2015 – Faculty Panel on Flipped Teaching (2015)
- Member, Electrical and Computer Engineering Faculty Search Committee (2014 – 2015)
- Member, Provost's Technology Task Force (2013 – 2014)
- Co-author, ABET Electrical and Computer Engineering Self-Study Report (2013 – 2014)
- Co-Developer, Electrical and Computer Engineering ABET Workshop (2013)
- Developer, Department of Electrical and Computer Engineering Student Evaluation (2013)
- Speaker, Dr. Romeo B. Garrett Students of Color and International Students Graduation Reception (2013)
- Member, Business-Engineering Convergence Committee (2012 – 2013)
- Member, College of Engineering and Technology Strategic Vision Committee (2011 – 2013)
- Faculty Mentor, BU STEM Scholars (2011 – 2012)
- Member, College of Engineering and Technology Academic Policy Committee (2010 – 2012)
- Judge, Student Scholarship Exposition (2010 – 2012)
- Member, College of Engineering and Technology Dean Search Committee (2011)
- Member, Department of Electrical and Computer Engineering New Facilities Committee (2011)
- Co-Chair, Electrical and Computer Engineering Curriculum Committee (2010 – 2011)
- Advisor, Volley-Tennis Club (2010)
- Co-Coordinator, Graduate Electrical and Computer Engineering Colloquium (2010)
- Guest Speaker, BU STEM Scholars (2009 – 2010)
- Member, Electrical and Computer Engineering Faculty Search Committee (2009 – 2010)
- Faculty Advisor, Dance-Dance Revolution Club (2003 – 2005)

UNIVERSITY OF ILLINOIS AT URBANA-CHAMPAIGN, Champaign, IL,

2005-2009

- Panel Member, Electrical and Computer Engineering Graduate Student Recruiting Visit Day at Urbana-Champaign (2007 – 2009)

**STUDENT AWARDS**  
( RECEIVED UNDER DIRECT SUPERVISION )

1. **1st place** at the 2019 ASEE Undergraduate Student Poster Competition, Kristian Kanders, Ante Lucev, Joshua Love, and Kinsey West, ASEE IL/IN Section, Evansville, IN (2019)
2. **2nd place** at the 2019 ASEE Undergraduate Student Poster Competition, Matthew Hansen, Mang Lian, Demetre Mitchell, and Marko Tasic, ASEE IL/IN Section, Evansville, IN (2019)
3. **1st place** at the 2013 ASEE Undergraduate Student Poster Competition, Devon Bates, Frayne Go, Thomas Joyce, and Elyse Vernon, ASEE IL/IN Section, Angola, IN (2013)
4. **College of Engineering Dean's Award** at the 2013 Student Scholarship Exposition, Devon Bates, Frayne Go, Thomas Joyce, and Elyse Vernon, Bradley University, Peoria, IL (2013)
5. **Honorable Mention** at the 2013 Student Scholarship Exposition, Anthony Podkowa, Bradley University, Peoria, IL (2013)
6. **1st place award** at the 2011 Undergraduate Student Competition (2011), Emma Muir, IEEE Region 4, Mankato, MN (2011)
7. **College of Engineering Dean's Award** at the 2011 Student Scholarship Exposition, David Smith, Bradley University, Peoria, IL (2011)
8. **1st place award in Engineering, Computer, and Mathematical Sciences** at the 2010 Student Scholarship Exposition, Josh Ullom, Bradley University, Peoria, IL (2010)