

## SHARON ANDREA JONES, Ph.D., F. ASEE

Sharon is a strategy and systems leader who is dedicated to advancing student success. She has over three decades of higher education experience at different institutional types including private, public, comprehensive, and liberal arts. She successfully led several large-scale change-management efforts to elevate student success, faculty success, responsibility-centered management, industry-community-university partnerships, and self-sustaining research centers. Sharon is also a recognized leader in sustainability and professional ethics.

### EDUCATION

Ph.D.	Carnegie Mellon University, Engineering and Public Policy
M.P.A.	California State University at Long Beach, Public Works Policy
M.E.	University of Florida, Civil Engineering
B.S.	Columbia University, Civil Engineering

### HIGHER EDUCATION LEADERSHIP

**Vice Chancellor for Academic Affairs**, University of Washington Bothell, a Minority Serving and FirstGen Forward institution (\$100M operating budget, \$22M auxiliary budget, 33% state funded), 2019-2025

Led the Academic Affairs Division responsible for 55+ degrees, 5 schools, a pre-major program, sponsored research, experiential learning, student success, faculty success, the campus library, three authorized research centers, and 12 direct reports. In 2025, the Division served 6,000+ students, 346 faculty, 150 staff, with a \$60M operating budget. In 2025, 31% of the students will be first-generation college graduates with 32% Pell-eligible, while 90% of alumni lived in Washington. In 2024, the university had a \$394.2M impact on Washington State. We successfully co-managed the campus and several services with Cascadia College.

**Other UW Bothell Leadership Roles:** Chancellor's Executive Team & Chancellor's Cabinet; Advancing Cross-disciplinary Teaching & Scholarship Strategic Initiative Working Group (chair); & project executive committees for the pre-design of a 140,000 sq. ft. multi-disciplinary academic complex; design and construction of an 80,000 sq. ft. STEM building; expansion of the campuswide Maker Space.

**UW System Leadership Roles:** Board of Deans and Chancellors; executive co-sponsor for *Teaching@UW*; Presidential representative to the Faculty Council on Tri-campus Policy; NWCCU Accreditation Steering Committee; COVID-19 Instructional Planning Task Force; Continuum's College Advisory Council & Fee-based Degrees Working Group; Vice Provost for Research Search Committee; Associate Vice Provost for Faculty Advancement Review Committee (chair); Executive Dean for the School of Nursing Search Committee (co-chair); Faculty Evaluation Task Force; Special Senate Committee on Merit Review.

**Fiscal Management & Fundraising:**

- Implemented a responsibility-centered funding model for Academic Affairs
  - Eliminated structural budget deficits in FY2020 with balanced budgets by FY2025
- Secured external support (\$1.2 million) for:

- *Digital Scholars & Data for Good* programs (foundation and donor gifts)
- 2 endowments for experiential learning (donors)
- High school green career pathways summer program (federal CDAR funding)
- Launched the first summer bridge and academic-year cohort program for first generation pre-major students interested in computing and technology careers - annual \$800K recurring state proviso; NSF \$2M 6-year grant & multi-year TRIO Student Success Services grant

**Student Success:** Transitioned the campus from a 2+2 structure to an inclusive 4-year structure with holistic professional advising organized by meta majors and the campus' first accessible major declaration process.

- 4% increase in 4-yr graduation rates (52%) from June 2020 to 2024
- 3% increase in 6-yr graduation rates (65%) from June 2019 to 2024
- 5% increase in 2<sup>nd</sup> year retention rates (77%) from Fall 2018 to 2022 entering classes
- 85% to 86% 1<sup>st</sup> year retention without equity gaps for Fall 2020 through 2023 entering classes
- 5% increase in community-engaged course participation from Fall 2018 to 2023 (32%)

**Faculty Success:** Created the first *Office for Faculty Success* that provides a holistic array of resources to support well-being, teaching and research excellence, career navigation, and leadership development. The campus achieved 100% success for the 2023, 2024, & 2025 promotion & tenure cycles and reached our highest level of indirect cost recovery (\$1M) from externally sponsored research (\$6M) in FY2025.

**Enrollment Management:** Adapted to a changing higher education landscape via new and revised academic programs based on student and workforce demand that resulted in the largest incoming class in Fall 2025:

- Masters in Community Health & Social Justice
- BA and BS in Data Visualization
- Minors in Data Analytics, Data Science, GIS, Cybersecurity, Climate & Society
- Pre-licensure nursing program (planning stage)
- *Constructive Dialogue Institute* modules embedded within first-year seminars
- Increased residential options via a public-private partnership with 1,100 beds (Fall 2024)
- Improved curricular spaces for performing arts, visual arts, computing, engineering, biology, entrepreneurship, financial literacy, behavioral studies, and a campus-wide Maker Space
- Went from <5% online/hybrid courses in Fall 2018 to >20% in Fall 2024

**Partnerships & Recognition:**

- 2026 UW News & World Report Regional Universities West: 6 overall; 1 Washington State; 4 Top Public Schools; 5 Best Colleges for Veterans
- 2024 PayScale ranking: 1 Best Value Colleges in Washington State
- Carnegie Foundation *Community Engagement* campus designation
- Carnegie Foundation *Research College and Universities* campus designation
- Multiple national and regional awards for environmental sustainability & highlighted as a "bright spot" in the Aspen Institute's 2024 *Higher Ed Climate Action Plan*
- Launched the *Office of Connected Learning* (400+ community partners annually) to embed experiential opportunities into courses and co-curricular programs
- Launched an *interdisciplinary environmental education and research field-based center* housed at St. Edward State Park in partnership with Washington State Parks and local government
- Launched a *biotechnology workforce development center* housed in our School of STEM & in partnership with the regional biotechnology community

**Dean, Shiley School of Engineering**, University of Portland, Regional Private Comprehensive Division 1 university, 2011-2019 [largest enrollment growth in the school's history]

Led a school with 4 ABET-accredited B.S. programs, 2 graduate programs, 700 students, 11 staff, 31 full-time faculty, & a \$5M operating budget (100% tuition-funded) along with a similar level of endowed/gift funds.

Served on the Provost's Council, Faculty Senate representative, Curriculum and Academic Regulations Committee, Campus Strategic Plan, Dean for College of Arts & Sciences search committee, & the steering committee for the Dundon-Berchtold Hall building design.

**Fundraising & Recognition:**

- Secured \$30M+ of external funding through annual gifts, major gifts, and dedicated endowments, including sizeable gifts for an Innovation Center, revamped engineering labs, and 2 endowed professorships
- Served as the primary steward for UP's largest donor at the time
- Significantly raised the school's US News & World Report ranking

**Student Success:**

- Managed a successful 2015-2016 ABET re-accreditation and transition to the 2019-20 ABET criteria
- Created opportunities for engineering and computer science students to benefit from the university's liberal arts, business offerings, and study abroad
- Launched robust experiential opportunities with industry partners including industry-sponsored capstones and industry-sponsored product innovation labs
- Accepted into the MECOP/CECOP statewide co-operative program; *Kern Engineering Entrepreneurial Network (KEEN)* and the *National Academy of Engineering Grand Challenges Scholars Program*
- Implemented the first maker space for the campus, launched an Innovation minor, and revitalized the University-wide *Center for Leadership, Entrepreneurship, and Innovation*

**Enrollment Management:**

- Launched a professional graduate program in Biomedical Engineering, first-year student retention program, a summer bridge and cohort program for incoming first-year students

**Director, Engineering Division**, Lafayette College, National Liberal Arts Division 1 college, 2008-2011

Led the Division responsible for 4 ABET-accredited B.S. programs, 1 B.A. program, first-year program, academic advising, 600 students, 8 staff, 40 full-time faculty, and endowed/gift funds. Prior roles included: Chair, Engineering Studies Program (2006-2007), Coordinator, Diversity Programs-Engineering Division (2005-2007). Accomplishment highlights as follows:

- Secured a \$700,000 endowment for undergraduate laboratory equipment replacement and repair, and NSF S-STEM funding to improve articulation with community college pre-engineering programs
- Managed a successful 2008-2009 ABET re-accreditation
- Led a strategic initiative to foster the robust integration of liberal arts & engineering
- Launched a summer bridge program for incoming first-year students in STEM
- Accepted in the National Academy of Engineering Grand Challenges Scholars Program, established a second faculty-led engineering study-abroad location that doubled capacity

## CURRENT BOARD/COUNCIL/ADVISORY APPOINTMENTS

- American Society for Engineering Education *Ethics Council*, 2023-present
- City of Bothell *Planning Commission*, 2023-2026
- Engineering Change Lab USA *Facilitator Team*, 2025-present
- Engineers Without Borders Puget Sound *Professional Chapter Senior Advisor*, 2024-present
- U.S. Environmental Protection Agency's *Historically Black Colleges and Universities and Minority Serving Institutions Advisory Council*, 2024-2026 (cancelled 2025)

## PROFESSIONAL AWARDS

- American Society of Engineering Education, *Fellow* 2021-present
- Portland Monthly, *Women Who Move the City*, March 2015
- National Society of Professional Engineers, *Professional Engineers in Higher Education and Sustaining University Program's Engineering Education Excellence*, 2007
- Lafayette College *Marquis Distinguished Teaching*, 2006
- Lafayette College Association of Black Collegians *Faculty Recognition*, 2004
- Indian Health Service *Tribal/Urban Recognition*, 2003

## LICENSES/CERTIFICATIONS

- Professional Engineer: CA (Civil)
- Board Certified Environmental Engineer, American Academy of Environmental Engineers (inactive)
- Envision Sustainability Professional, Institute for Sustainable Infrastructure
- Northwest Commission for Colleges & Universities Evaluator (NWCCU), 2020-2024
- ABET EAC Program Evaluator, 2009-2022; ABET ASAC Commissioner, 2015-2018

## LEADERSHIP DEVELOPMENT

- American Association of State Colleges and Universities:
  - Millenium Leadership Initiative, 2024-2025
  - CAO and CBO Collaborations Symposium, 2022
  - Student Success Institute for Provosts, 2021-2022
  - Strengthening Democracy: MSIs and America's Racial Reckoning, 2021-2022
- National Association of College and University Business Officers
  - Endowment Fundamentals, 2024
  - Strategic Higher Education Finance and Planning, 2025
- EAB New Provost Intensive: 2020-2021
- Harvard Institutes for Higher Education Seminar on Leadership of the Faculty: 2019
- HERS Wellesley Management Institute for Women in Higher Ed Administration: 2007-2008
- NSF Women in Engineering Leadership Institute: 2005

## FACULTY APPOINTMENTS

- **University of Washington Bothell**, Professor, School of STEM & School of Interdisciplinary Arts and Sciences, 2019-present
- **University of Portland**, Professor, Shiley School of Engineering, Department of Civil Engineering, 2011-2019; Affiliate Professor, 2019-2020
- **Lafayette College**, Professor (Promoted 2008, Tenured 2006), Department of Civil and Environmental Engineering & Engineering Studies Program, 2002-2011

- **Rose-Hulman Institute of Technology.** Associate Professor (Tenured/Promoted, 2001), Department of Civil Engineering, 1995-2002
- **Allegheny College.** Visiting Instructor, Environmental Science, Assessment and Evaluation of Environmental Problems, 1995

## OTHER PROFESSIONAL EXPERIENCE

- **Consultant**, American Association of State Colleges and Universities (AASCU), 2025-present
- **Consultant**, Tohono O'odham Utility Authority, Arizona, 2001-2007
- **Consultant**, International Assoc. for Impact Assessment & Caribbean Academy of Sciences, *Strategic Environmental Management Training Courses*, Cartagena/Columbia & Georgetown/Guyana, 2001
- **Project Engineer**, Waste Management Division, CH2M Hill Inc., 1990-1992
- **Environmental Engineer**, Bryan A. Stirratt Consulting Engineers, 1989-1990
- **Associate Sanitary Engineer**, Solid Waste Task Force & Biosolids Management Unit, City of Los Angeles, 1987-1989

## PRIOR BOARD/COUNCIL APPOINTMENTS

- American Academy of Environmental Engineers and Scientists, 2011-2022
  - Education Committee, 2011-2022
  - Co-chair, Body of Knowledge 2 Task Force, 2017-2018
  - Trustee 2011-2013
- American Association for Environmental Engineering and Science Professors, 1996-2022
  - Foundation Board, 2012-2014
  - Association Board, 2009-2011
  - Chair, Demographics and Diversity Committee, 2003-2006
  - Year of Impact on Racial Equity Taskforce: Faculty/Administrator Pillar, 2021-2022
  - PPC Provost Policy Roundtable, 2020 & 2021
  - Environmental Engineering Division Board --- Director 2013-2016; Chair 2012; Conference Chair 2011; Treasurer 2011; Secretary 2009
  - Engineering Deans Institute, 2008-2019
  - Diversity Recognition Program 2-day DC workshop, 2018
- City of Bloomington Environmental Commission, 1997-2000
- City of Bloomington Utilities Department Wet Weather Task Force, 1997-2001
- Global Engineering Deans Council, 2014-2019
- HERS STEM Alumnae Advisory Group, 2016 – 2019
- Kern Engineering Entrepreneurship Network (KEEN) Deans Board, 2016-2019
  - Facilitator, National Leaders Workshop on Diversity, Inclusivity, and Access, 2018
  - National Leaders Conference Planning Committee, 2018
  - Entrepreneurship Mindset Learning Outside the Curriculum Task Force, 2017-2018
- National Academy of Engineering Advisory Group, Center for Engineering, Ethics, and Society, 2014-2020
  - Co-organizer, NSF-funded Engineering Ethics Education Workshop, 2017
- NSF, Division of Chemical, Bioeng., Enviro., & Transport Systems Committee of Visitors, 2015
- Science Advisory Board: Future Worlds Project at North Carolina State University, 2013-2016
- United States Military Academy, Board of Advisors for Environmental Engineering, 2010-2015

## OTHER PROFESSIONAL SERVICE & OUTREACH ACTIVITIES

- Research Technical Assistance Center (RTAC) Network, 2019-2024
- National Science Foundation ADVANCE ASCEND inter-institutional peer mentoring network of Administrators in the Northwest region, 2020-2024
- *Advances in Engineering Education* special issue Editorial Team - Engineering Ethics Education: Summer 2020 Volume 8 Issue 3, <https://advances.asee.org/2020/10/>, 2018-2020
- Water for People Volunteer Corps – completed water point assessments in Malawi, 2010; developed tap guidelines for Guatemala, 2010; assessed feasibility in Peru, 2006-2007
- 2<sup>nd</sup> & 3<sup>rd</sup> Annual Symposium: Engineering and Liberal Education planning committee, 2008-2010
- Water Environment Federation Annual Research Review Editor, 2003-2006
- *Impact Assessment and Project Appraisal*, Book Review Associate Editor, 2002-2006.
- Rose-Hulman's Operation Catapult program for high school juniors, 1998
- Rose-Hulman's Fast Forward program for middle school females, 1996-2001
- National Science Foundation's Young Scholars pre-college program at Carnegie Mellon University "Science, Technology and Society," 1994 &1995
- Carnegie Mellon University's "Introduction to Engineering," for junior & senior high school females, 1994
- City of Los Angeles' pre-college outreach program, 1987-1989
- New York Institute of Technology's Higher Education Opportunity Program tutoring for entering minority freshmen, 1985

## PEER-REVIEWED JOURNAL, BOOK, & CHAPTER PUBLICATIONS (student underlined)

### Disciplinary (26)

- Jones, S.A. "Human Rights and Engineering," in *Routledge Handbook of Philosophy of Engineering*, 2<sup>nd</sup> edition, edited by D.P. Michelfelder and Neelke Doorn, under review.
- Dittrich, R., S. Yusuf, A. Hunter, R. Bierwith, J. Lins, S.A., Jones. "Wildfire Smoke and Childcare: How do Licensed Providers Adapt." *Journal of Disaster Reduction*, under review.
- Jones, S.A., I. Stehling. "The Inequity of Wildfire Smoke Indoor Risks for Young Children in the Pacific Northwest," *Environmental Justice*, under review.
- Michelfelder, D.P., S.A. Jones. "Sustainable Communities and the Challenge of Caring for Future Generations," *Journal of Science and Engineering Ethics*, accepted pending revision.
- Michelfelder, D.P., S.A. Jones. 2025. "Aligning the Ethics of Care with Commitments to Sustainability in US Professional Engineering Codes," in *Engineering and Value Change*, edited by C. Didier, Antoine Bouzin, Jeremie Supiot, Aurelien Beranger, and Hugo Paris. Springer, Switzerland.
- Jones, S.A., J. Lins, H. Abay, K. Pham, R. Dittrich. 2023. "Wildfire Smoke, Environmental Justice, and Young Children in Urban Pacific Northwest Communities," *Urban Climate*, 50(2023).
- Jones, S., A. Junge, R. Dittrich. 2023. "Research Note: A Multi-method Approach to Monitor Recreational Trail Usage in Complex Spatial Settings," *Open Journal of Forestry*, 13(1).
- Lorber, C., R. Dittrich, S. Jones, A. Junge. 2021. "Is Hiking Worth It? A Contingent Valuation Case Study of Multnomah Falls, Oregon," *Forest Policy and Economics*, 128(C).
- Jones, S., D. Michelfelder, I. Nair. 2017. "Engineering Managers and Sustainable Systems: The Need for and Challenges of Using an Ethical Framework for Transformative Leadership," *Journal of Cleaner Production*, 140(Part 1).
- Jones, S., K. Sanford Bernhardt, M. Kennedy, K. Lantz, T. Holden. 2013. "Collecting Critical Data to Assess the Sustainability of Rural Infrastructure in Low-Income Countries," *Sustainability*, 5(11).

- Michelfelder, D., S.A. Jones. 2013. "Sustaining Engineering Codes of Ethics for the Twenty-First Century," *Journal of Science and Engineering Ethics*, 19(1); Online First, September 2011.
- Jones, S.A., A. Abseen, N. Stacey, L. Weir. 2012. "A Life-cycle Approach to Improve the Sustainability of Rural Water Systems in Developing Countries," *Challenges*, 3(2).
- Jones, S.A., K. Rose, K. Tull. 2011. "A Strategic Approach to Improve Environmental Policy-making for End-of-cycle Product Management," *Journal of Environmental Assessment and Policy Management*, 13(4).
- Jones, S.A., C. Silva. 2009. "A Practical Method to Evaluate the Sustainability of Rural Water and Sanitation Infrastructure Systems in Developing Countries," *Desalination*, 248(1-3).
- Jones, S.A., J. Moerschbacher, M. Petrova. 2007. "The Funding Dilemma for Rural Water Infrastructure on Tribal Nations," *Public Works Management and Policy*, 11(4).
- Jones, S.A., 2006. "Impact Assessment Strategies," in *The International Handbook on Environmental Technology Management*, Chapter 31, editors: Dora Marinova, David Annandale, and John Phillimore, Edward Elgar Publishing, United Kingdom.
- Jones, S.A., N. Joy. 2006. "Inequity of the Revised Arsenic Rule for Very Small Community Drinking Water Systems," *Environmental Science and Policy*, 9(6).
- Jones, S.A. 2005. "Interoperability Issues for Underground Utilities: A Case Study of the NASA Langley Research Center," *Public Works Management and Policy*, 9(3).
- Jones, S.A., C. Duncanson. 2004. "Implications of the World Bank's Privatization Policy for South Africa," *Water Policy*, 6(6).
- Jones, S.A., R. Houghtalen, D. Jones, B. Niblick. 2004. "Privatization of Municipal Services: Sustainability Issues of Production and Provision," *ASCE Journal of Infrastructure Systems*, 10(4).
- Jones, S.A. 2003. "Challenges of Developing a Water and Wastewater Infrastructure GIS for the Tohono O'odham Nation," *Public Works Management and Policy*, 8(2).
- Jones, S.A., T. Mason. 2002. "Role of Impact Assessment for Strategic Environmental Management at the Firm Level," *Impact Assessment and Project Appraisal*, 20(4).
- Jones, S.A., B. Fischhoff. 1999. "Evaluating the Science-policy Interface for Climate-change Research," *Climatic Change*, 43(3).
- Koontz, T., S.A. Jones. 1998. "Context for Forest-related Land Use Decisions in Indiana," Working Paper for the *Center for the Study of Institutions, Population, and Environmental Change*.
- Jones, S.A., B. Fischhoff, D. Lach. 1998. "An Integrated Impact Assessment of the Effects of Climate Change on the Pacific Northwest Salmon Fishery," *Impact Assessment and Project Appraisal*, 16(3). BEST PAPER AWARD.
- Jones, S.A. 1996. "Game-theoretic Frameworks for Evaluating Risk Reduction Strategies," *Environmental Science and Technology*, 30(3).

### **Pedagogical (11)**

- Jones, S.A., C. Cairncross, T. VanDeGrift, J. Kalnin. 2021. "Persistence of Students who Begin Engineering programs in Precalculus," *Advances in Engineering Education*, 9(4).
- Michelfelder, D., S. A. Jones. 2016. "From Caring about Sustainability to Developing Careful Engineers," in Filho, L. & S. Nesbit (Eds), *New Development in Engineering Education for Sustainable Development*, Springer: ISBN 978-3-319-32933-8
- Jones, S.A., 2015. "The Need for Intentional Graduate Pathways for Students in Liberal Studies and Engineering Pre-Professional Programs," *Engineering Studies*.
- Bhandari A., S.A. Jones, M. Barnett, T. LaPara. 2006. "Diversity in Environmental Engineering – Successes and Challenges," *ASCE Journal of Environmental Engineering*, July.

- Jones, S.A., M. Barnett, A. Bhandari, T. LaPara. 2005. "An Initial Effort to Count Environmental Engineers in the USA," *Environmental Engineering Science*, 22(6).
- Talbert, M., S. Farnkhoff, S.A. Jones, R. Houghtalen. 2003. "Combining Service Learning with Graduate Education," *ASCE Journal of Professional Issues*, 129(4).
- Jones, S.A., D. Jones. 2003. "How Can AWWA Promote Student Internships at Utilities," *AWWA Journal*, 95(8).
- Nair, I., S.A. Jones, J. White. 2002. "A Curriculum to Enhance Environmental Literacy," *Journal of Engineering Education*, 91(1).
- Nair, I., S.A. Jones. 2001. "Environmental Decision Making: The Basis for Environmental Literacy," *The Declaration*, Association of University Leaders for a Sustainable Future, May.
- Jones, S.A., R. Houghtalen. 2000. "Using the Senior Design Capstone as a Model for Graduate Education," *ASCE Journal of Professional Issue*, 126(2).
- Jones, S.A., J. Robson. 1997. "Should Continuing Education be a Requirement for Professional Registration?" *ASCE Journal of Environmental Engineering*, September.

### **PEER-REVIEWED CONFERENCE PROCEEDINGS (student underlined)**

#### **Disciplinary (4)**

- Abseen, A., S.A. Jones. 2009. "What do Life Cycle Assessments tell us about Sustainable Water-Wastewater Infrastructure Systems," *AWWA Annual Conf.*, San Diego, CA, June.
- Lin, A., S.A. Jones. 2008. "A Strategic Approach to Environmental Policy for Cell Phones [poster]," *Joint International Conference and Exhibition Electronics Goes Green 2008+: Merging Technology and Sustainable Development*, Berlin, Germany, September.
- Jones, S.A., C. Silva. 2008. "A Practical Method to Evaluate the Sustainability of Rural Water and Sanitation Infrastructure Systems in Developing Countries," *Water and Sanitation in International Development and Disaster Relief*, Edinburgh, Scotland, May.
- Jones, S.A., D. Jones. 2004. "Selecting the Right GPS for a Utility Infrastructure GIS," *2004 Annual Conference of the Geospatial Information & Technology Association*, Seattle WA, March. An expanded version published in the online journal GISUser.

#### **Pedagogical (19)**

- Bates, R., S.A. Jones, et al. 2026. "Revising the ASEE Code of Ethics: A Community Process [in a Time of Chaos]," *Annual Conference for the American Society of Engineering Education*, charlotte, North Carolina, June. abstract accepted.
- Kirkmeyer, B.P., M.D. Johnson, L. Abrams, R.A. Green, L. McMillon-Brown, S.A. Jones, R. Ritchey. 2021. "Advocacy and Allyship by Men for Women in Engineering-related Fields at the College Level," *Annual Conference for the American Society of Engineering Education Invited Panel Session*, Virtual Meeting, July.
- Bielefeldt, A., S.A. Jones, J. Mueller Price, K.S. Grahame, A. Gillen. 2016. "Impacts of Sustainability Education on the Attitudes of Engineering Students," *Annual Conference for the American Society of Engineering Education*, New Orleans, LA, June.
- Jones, S.A., C. Cairncross. 2016. "Two-tiered Summer Bridge Programming for At-risk Engineering and Computer Science Students," *Envisioning the Future of Undergraduate STEM Education: Research and Practice*, Washington D.C. April.

- Cairncross, C., T. VanDeGrift, S. A. Jones. 2015. "Building a Summer Bridge Program to Increase Retention and Academic Success for First-year Students," *Annual Conference for the American Society of Engineering Education*, Seattle, WA, June.
- Kennedy, M., S. A. Jones. 2015. "Developing Global Engineering Outcomes for BS Graduates," *ASEE International Forum*, Seattle, WA, June.
- Michelfelder, D., S.A. Jones. 2015. "From Caring about Sustainability to Developing Care-ful Engineers," *EESD'15: The Seventh International Conference on Engineering Education for Sustainable Development*, Vancouver Canada, June.
- Jones, S.A., Z. Naegele, Z., T. VanDeGrift. 2014. "Increasing Retention in Engineering and Computer Science with a Focus on Academically At-Risk First-Year and Sophomore Students," *Annual Conference for the American Society of Engineering Education*, Indianapolis, IN, June.
- Sanford-Bernhardt, K., S.A. Jones, C. Ruebeck. 2010. Assessing the Effectiveness of Using a Computer Game to Bridge a Research Agenda with a Teaching Agenda," *Annual Conference for the American Society of Engineering Education*, Louisville, KY, June. BEST PAPER
- Klein, J., C. Traver, S. Raucci, S.A. Jones. 2009. "Special Session – Inventive Courses: Blending Engineering and the Liberal Arts," *Frontiers in Education*, San Antonio, TX, October.
- Jones, S.A., M. Were. 2008. "Impact of the POSSE Program on First-Year Retention of Minority Engineering Students at Lafayette," *Frontiers in Education*, Saratoga Springs, NY, October.
- Jones, S.A. 2008. "The Bachelor of Arts in Engineering: A New Paradigm for Liberal Arts and Engineering – a Panel Discussion [moderator]," *Annual Conference for the American Society of Engineering Education*, Pittsburgh, PA, June.
- Giannelli, F., S.A. Jones. 2007. "Project Management Applications for Service-learning in Engineering," *Annual Conference for the American Society of Engineering Education*, Honolulu, HI, June.
- Allendoerfer, C., S.A. Jones, R. Bates, J. Mijangos. 2007. "Diversity in Engineering Education Research: Insights from Three Study Designs," *Annual Conference for the American Society of Engineering Education*, Honolulu, HI, June.
- Jones, S.A., M. Garcia, D. Brandes. 2006. "A Framework to Facilitate Undergraduate Service-learning for the Sustainable Development of Rural Infrastructure [Poster]," *5<sup>th</sup> American Society of Engineering Education's Global Colloquium on Engineering Education*, Rio de Janeiro, Brazil, October.
- Jones, S.A., K. Tull. 2006. "A Sophomore-Level Engineering and Public Policy Course Required for B.A. Engineering Majors at Lafayette College," *Annual Conference for the American Society of Engineering Education*, Chicago, Illinois, June.
- Jones, S.A., A. Bhandari, L. Clapp, D. Fennell, T. LaPara, K. Tull. 2006. "Diversity in Environmental Engineering: The Good and Bad," *Annual Conference for the American Society of Engineering Education*, Chicago, Illinois, June. BEST PAPER.
- Whelan, K.A., S.A. Jones. 2005. "An Alternate Paradigm for Undergraduate Engineering: The Bachelor of Arts," *Annual Conference for the American Society of Engineering Education*, Portland, Oregon, June.
- Jones, S.A., I. Nair. 2000. "A New Approach to Teaching Environmental Literacy: A Text for Teachers," *Annual Conference for the American Society of Engineering Education*, St Louis, MO, June.

### OTHER EXTERNAL GRANTS (approx. \$5.4 million)

- USDOE #S215K230069: *Environmental Career Preparedness (EnCAP)*, 2023-2026
- USDOE #P335A200032: *Child Care Access Means Parents in School*, 2020-2024
- External Evaluation Panel, NSF #1835029: *Institutional Transformation: Empowering Faculty to Cultivate a Culture of Ethics in Engineering*, UC San Diego, 2019-2021
- *Katherine Bisbee II Fund of the Oregon Community Foundation Grant (Conservation Research Project in Oregon)*: After the Eagle Creek Fire: Experiencing the Multnomah Falls in a Burnt Landscape, 2019
- *KEEN Entrepreneurship Education Grant*, 2018-2019
- NSF #1317238: *Increasing Retention in Engineering and Computer Science with a Focus on At-risk First Year and Sophomore Students*, 2013-2018 (2019 with no cost extension)
- NSF #1240040: *S-STEM Noyce Scholars Program*, 2013-2018 (2019 with no cost extension)
- NSF: *S-STEM Leadership Scholars Program in Engineering and Computer Science*, 2010-2015
- NSF: *IRES Sustainable Development of Water and Sanitation Systems in Rural Honduras*, 2009-2012 (PI through 2011; senior personnel through 2012)
- NSF #0729458: *DRU: Integrating Agent-Based Modeling and Life Cycle Analyses to Enhance Environmental Policy Making*, 2007-2010 (2012 with no cost extension)
- *Using LCA and GIS to Assess the Environmental Sustainability of Human Settlements*, Princeton University Science Technology Environment Program, 2007-2008
- EPA P3 Phase 2 Grant, *Community-Oriented Design and Evaluation Process for Sustainable Infrastructure*, 2006-2008
- *Advancing Engineering Education Research to Meet the Needs of the 21<sup>st</sup> Century: Diversity*, Institute for Scholarship on Engineering Education, 2006-2007
- EPA P3 Phase 1 Grant, *Designing Sustainable Water Systems for Yoro Honduras*, 2005-2006
- *Evaluate Use of GIS for Undergraduate Service-learning Projects*, NITLE Student/Faculty Grant, 2005
- *Evaluate the Interoperability of CADD/GIS*, Haestad Methods Student/Faculty Scholarship Program, 2004
- *Evaluate the Integration of CADD and GIS for Utilities Management at Langley Research Center*, ASEE/NASA: NASA-Langley, 2003
- *Development of a Utility-student Internship Forum*, AWWA, 2001
- Fulbright Commission German Studies Seminar Award, *Environmental Protection and Alternative Energy Sources in Germany and Austria*, 1999
- *Study of Forest Cover in Indiana as an Example of Environmental Change*, Indiana University Center for the Study of Institutions, Population, and Environmental Change, 1997
- NSF #9709682: *CCD Development of a Curriculum for Teaching Environmental Issues at the Undergraduate Level*, 1997-2000
- *Monitor Water Quality in Lost Creek with Lost Creek Elementary School*, Indiana Department of Natural Resources Riverwatch Grant, 1997-1999
- Clare Booth Luce Junior Faculty Fellowship, 1995-2000