

Janet Callahan, PhD
Dean of Engineering
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I. Administrative Experience:

A. Michigan Technological University 2018-present

Dean of Engineering

Primary Responsibilities

- Lead the college in developing and implementing research and education strategies in support of the goals of the University's strategic plan
- Actively engage in fundraising and other advancement activities to obtain resources that support the continual growth and improvement of students, faculty, staff, programs and infrastructure of the college and university
- Enhance and develop relationships with key external constituents
- Identify and implement new initiatives within the CoE in order to promote growth in alignment with emerging, developing, and/or priority areas
- Supervise CoE associate deans, department chairs and office staff
- Provide academic oversight over 12 undergraduate degree programs, 14 M.S. degrees, 2 M.Eng. degrees and 11 doctoral programs, offered in 8 departments, by 178 program faculty, 115 staff, 4,686 students (2017)
- Manage an operating budget of \$22.2 million in appropriated budget, exclusive of grant revenue; oversee and enhance the research enterprise (research expenditures \$16.4 million, 2016)

B. Boise State University

Chair, Micron School of Materials Science and Engineering 2016-2018

Primary Responsibilities

- Managed an operating budget of \$4.2 million in appropriated budget, exclusive of grant revenue; oversee research enterprise (research expenditures ~\$3M, 2015-16).
- Supervised program faculty (18 in total, several with joint appointments in science or distributed throughout the university in leadership roles) and staff.
- Academic Affairs: Provided oversight over the B.S., M.S., M.Eng. and Ph.D. programs (2016-17 ABET visit).
- Program prioritization

Founding Associate Dean, College of Engineering 2005-2016

Primary Responsibilities

- Assisted in managing an operating budget of ~\$11.5 million in appropriated budget, exclusive of grant revenue; directly responsible for operating budget of \$930,000 in appropriated budget and grant revenue
- Chair of ENGR department (2005-2014), Chair, Accreditation Committee (2005-2016), Chair, Scholarship Committee (2005-2016)
- Head of Academic Affairs; fall 2015 headcount: 2987. Three Ph.D. programs, six M.S. programs, five M. Engr. Programs, six B.S. programs, seven departments
- Administrative Head of Advising Center; supervisor to college faculty and staff

II. Other Work Experience:

- 2004-2018 **Professor**, Materials Science and Engineering, Boise State University
- 2010-2012 **Faculty in Residence**, Engineering Residential College, Boise State University
- 1992-2004 **Assistant/Associate Professor**, Materials Science and Engineering, Georgia Institute of Technology
- 1998-2001 **Director of Research**, RadioVascular Systems, Inc., Atlanta, GA; company co-founder
- 1990-92 **Visiting Scientist**, Commonwealth Scientific and Industrial Research Organization, Division of Materials Science and Technology
- 1984-90 **Research Associate**, University of Connecticut, Storrs, CT

Education:

- **Ph.D.** 1990 **Materials Science**, University of Connecticut at Storrs
- **M.S.** 1986 **Metallurgy**, University of Connecticut at Storrs
- **B.S.** 1983 **Chemical Engineering**, University of Connecticut at Storrs, Cum Laude

Honors of Distinction:

- **Faculty in Residence, Engineering Residential College**, 2010-2012
- **University of Connecticut Academy of Distinguished Engineers**, 2004
- **National Science Foundation Career Grant Recipient** 1996-2003
- **National Science Foundation Postdoctoral Fellow**, Program for Long and Medium Term Research at Foreign Centers of Excellence, 1990-1991
- **Tau Beta Pi**, Connecticut Beta
- **State of Connecticut High Technology Scholar**, 1987-1989. One of ten awarded state-wide in science and engineering.

Research Interests: Medical devices; brachytherapy and related materials synthesis; biomaterials; oxidation of high temperature and refractory alloys; ion beam synthesis of nanomaterials; thermal barrier coatings; chemical vapor deposition of oxides. Engineering education; faculty development; freshmen retention; continuous improvement; STEM retention; K-12 partnerships.