Steve Goddard

Dean
College of Liberal Arts & Sciences
University of Iowa

Biographical Sketch

Steve Goddard is Dean of the College of Liberal Arts & Sciences at the University of Iowa and holds the UI Alumni Association Dean's Chair in the Liberal Arts and Sciences. Prior to joining the faculty at Iowa, Goddard was the the John E. Olsson Professor of Computer Science & Engineering at the University of Nebraska-Lincoln (UNL) and served in multiple administrative roles there, including Vice Chancellor for Research, Dean and Department Chair.

During his 21 years at the University of Nebraska, Goddard served as a member of the Board of Directors for the National Strategic Research Institute, NUtech Ventures, and the Nebraska Innovation Campus Development Corporation. He led or assisted successful reaccreditation processes at the department, college, and university level. He also served on the Chancellor's Commission on the Status of Women, the ADVANCE-Nebraska Faculty Committee and the Faculty Senate's Intercollegiate Athletics Committee. In 2016, he Co-Chaired a campus-wide Achieving Distinction task force as part of UNL's strategic planning process. Goddard was selected as 2013 Academic Leadership Program (ALP) Fellow by the Big Ten Academic Alliance (formerly called Committee on Institutional Cooperation).

Prior to joining the faculty at UNL, Goddard worked in the computer industry for 13 years, including nine years as president of his own company, which maintained a U.S. government secret, non-holding clearance. He received the B.A. degree in computer science and mathematics from the University of Minnesota, Duluth (1985) and the M.S. and Ph.D. degrees in computer science from the University of North Carolina at Chapel Hill (1995, 1998).

Goddard's primary research interests are embedded, real-time, and distributed systems with emphases in cyber-physical systems and rate-based scheduling. He has published over 100 articles, 10 patent applications, and received more than $22M in external funding for his research from the U.S. Department of Agriculture (USDA), the National Aeronautics and Space Administration (NASA), the Department of Defense (DoD) and the National Science Foundation (NSF).

He has also been quite active in interdisciplinary research projects, and was a fellow in the Robert B. Daugherty Water for Food Institute. The most significant result of his interdisciplinary research was the creation and development of the Self-Calibrating Palmer Severity Index (sc-PDSI), which is used world-wide to quantify the severity of a drought.

Goddard co-developed the interdisciplinary curriculum for the University of Nebraska-Lincoln Raikes School of Computer Science & Management. Within his discipline, Goddard has taught mostly computer systems courses. He has been a member of 120 committees for students that have graduated, including the advisor of 7 Ph.D. students, 28 M.S. or M.Eng. students and 6 B.S. students. Goddard has received numerous teaching awards, including a College Distinguished Teaching Award, a College of Engineering Faculty Teaching Award, and three Certificates of Recognition for Contributions to Students.

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Education

1998	Ph.D., Computer Science, University of North Carolina, Chapel Hill, NC
1995	M.S., Computer Science, University of North Carolina, Chapel Hill, NC
1985	B.A., Computer Science and Mathematics, University of Minnesota, Duluth, MN

Professional Experience

2019 –	Dean, College of Liberal Arts & Sciences, University of Iowa
2019 –	Professor, Computer Science, University of Iowa
2019 –	Emeritus Professor, Computer Science and Engineering, University of Nebraska–Lincoln
2018 – 2019	Senior Associate to the Executive Vice Chancellor and Chief Academic Officer, University of Nebraska–Lincoln
2018 – 2019	Department Chair, Computer Science and Engineering, University of Nebraska–Lincoln
2016 – 2018	Vice Chancellor for Research & Economic Development (Interim), University of Nebraska–Lincoln
2014 – 2016	Associate Vice Chancellor for Research, Office of Research, University of Nebraska–Lincoln
2013 – 2014	Dean (Interim), College of Arts & Science, University of Nebraska–Lincoln
2008 – 2013	Department Chair, Computer Science and Engineering, University of Nebraska–Lincoln
2008 – 2019	Professor, Computer Science and Engineering, University of Nebraska–Lincoln
2004 – 2008	Associate Professor, Computer Science and Engineering, University of Nebraska–Lincoln
1998 – 2004	Assistant Professor, Computer Science and Engineering, University of Nebraska–Lincoln
1999 –	Computer Systems and Patent Litigation Consultant, S.M. Goddard (sole proprietorship) Specialize in embedded and networked systems.
1989 – 1998	President and Real-Time Distributed Systems Consultant, S.M. Goddard & Co., Inc.
1985 – 1989	Scientific Programmer, Unisys Corporation

Chairs and Professorships

2019 –	*UI Alumni Association Dean's Chair in the Liberal Arts and Sciences*
2011 – 2019	*John E. Olsson Professorship*
2008 – 2010	*College of Engineering Professorship*
2006 – 2008	*College of Engineering Distinguished Scholar*
2000 – 2005	*J.D. Edwards Professorship*

Awards and Fellowships

2014	*Robert B. Daugherty Water for Food Institute Fellow*
2013 – 2014	*Committee on Institutional Cooperation (CIC) Academic Leadership Program (ALP) Fellow*
2007	*Certificate of Recognition for Contributions to Students*, awarded by the UNL Parents Association (PA) and Teaching Council (TC)
2005	*Certificate of Recognition for Contributions to Students*, awarded by the UNL PA and TC
2004	*College Faculty Research and Creative Activity Award*
2004	*Computer Science & Engineering Student Choice Outstanding Teaching Award*, Graduate Courses
2003	*Faculty Recognition Award*, from Beta Theta Pi as an "outstanding educator at UNL"
2003 – 2004	*College of Engineering and Technology Faculty Fellow Award*

2001	*College Distinguished Teaching Award*
2000	*College of Engineering & Technology Faculty Teaching Award* at the Assistant Professor level
2000	*Certificate of Recognition for Contributions to Students*, awarded by the UNL PA and TC
1999	*Certificate of Recognition for Contributions to Students*, awarded by the UNL PA and TC
1997 – 1998	University of North Carolina at Chapel Hill Computer Science Alumni Fellowship

Selected Recent International Research Leadership Positions

2013 – 2016	Chair, IEEE Technical Committee on Real-Time Systems,
2011 – 2012	Vice-Chair, IEEE Technical Committee on Real-Time Systems,
2007 – 2018	Member, Executive Committee of IEEE Technical Committee on Real-Time Systems
2012 – 2016	Member, Steering Committee for IEEE International Conference on Embedded and Real-Time Computing Systems and Applications
2015	Chair, Technical Program Committee for the 27th Euromicro Conference on Real-Time Systems, Lund, Sweden
2012	Co-chair, Technical Program Committee, Real-time Systems Track for 2012 International Conference on Embedded and Real-Time Computing Systems and Applications (RTCSA) 2012, Seoul, Korea
2011	Member, Steering Committee for the First International Workshop on Cyber-Physical Networking Systems (CPNS 2011), Shanghai, China
2011	Member, Steering Committee for CPSWeek 2011, Chicago, Illinois
2010	Organizer and Intellectual Leader of Hybrid, Embedded, and Real-Time Systems Group of NSF funded workshop entitled, Future Directions of Computer System Research in 2010
2009	General Chair for the 30th IEEE Real-Time Systems Symposium, Washington, D.C.
2008	Chair, Technical Program Committee for the for the 29th IEEE Real-Time Systems Symposium, Barcelona, Spain
2008	Co-Chair, Technical Program Committee for the Real-time and Dependable Systems – Principles and Practice topic of the Embedded Software Track of Design, Automation and Test in Europe Conference (DATE 08), Munich, Germany
2007	General Co-Chair for the 13th IEEE Real-Time and Embedded Technology and Applications Symposium, Bellevue, Washington
2006	Co-Chair, Technical Program Committee for the 12th IEEE Real-Time and Embedded Technology and Applications Symposium, San Jose, California

Selected Recent University Service Leadership and Board Positions

2016 – 2017	Co-Chair, UNL Task Force on Achieving Distinction.
2016 – 2018	Member, Board of Directors, NUtech Ventures.
2016 – 2018	Member, Board of Directors, Nebraska Innovation Campus Development Corporation.
2016 –2018	Member, Board of Directors, National Strategic Research Institute.
2016 – 2018	Member, Nebraska Manufacturing Extension Partnership (MEP) Advisory Board.
2016 – 2018	Member, Nebraska's Experimental Program to Stimulate Competitive Research (EPSCoR) Committee.
2014 – 2016	Chair, UNL Criterion Working Group Two (Integrity: Ethical & Responsible Conduct) for the 2016-17 Higher Learning Commission (HLC) Reaffirmation of Accreditation Comprehensive Evaluation.
2012 – 2013	Chair, UNL Massive Open On-line Course (MOOC) Task force.
2012 – 2013	Chair, Chemical Engineering Department Chair Search Committee.
2010 – 2012	Chair, Nebraska University-wide Committee to select recipients of the University of Nebraska Innovation, Development, and Engagement Award.