



Dr. Dean L. Bartles, FSME, FASME
Director – John Olson Advanced Manufacturing Center – University of New Hampshire
2016-2017 President – North American Manufacturing Research Institution
Past President (2016) – Society of Manufacturing Engineers
2016 Chief Technology Officer – American Society of Mechanical Engineers’ Industry Advisory Board
Founding Executive Director - Digital Manufacturing & Design Innovation Institute
Founding Chairman – Smart Manufacturing Leadership Coalition
MForesight - Alliance for Manufacturing Foresight’s Leadership Council
Board of Governors – Manufacturing Leadership Council
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Dean Bartles, Ph. D., FSME, FASME, is currently serving as the Director of the John Olson Advanced Manufacturing Center at the University of New Hampshire. Dean recently completed his term as the 2016-2017 President of the Board of the North American Manufacturing Research Institute. In 2016 Dr. Bartles served as Senior Technology Advisor for the American Society of Mechanical Engineers and the 2016 President of the International Board of Directors of the Society of Manufacturing Engineers. Dr. Bartles was formerly the Chief Manufacturing Officer for UI LABS and the Founding Executive Director of the Digital Manufacturing and Design Innovation Institute (DMDII) which addresses the life cycle of digital data interchanged among a myriad of design, engineering, manufacturing and maintenance systems, and flowing across an integrated, networked manufacturing supply chain. Dr. Bartles has had a distinguished 39-year professional career in manufacturing since graduating from college implementing multi-million dollar programs domestically and internationally, and setting up manufacturing operations in Egypt, Turkey, and the US. His responsibilities have included managing research and development programs, technology transfer programs, program management, and manufacturing operations.

Dr. Bartles grew up in his father’s welding and machine shop in Hagerstown, Maryland and also worked at Grove Manufacturing in their CNC machining center of excellence while attending college. Dr. Bartles began his professional career at Fairchild Republic Company as an Industrial Engineer on the A-10 Program. For over 30 years Dr. Bartles held several positions at General Dynamics and its predecessor companies, most recently serving as Vice President and General Manager of a key Strategic Business Unit (“SBU”) in the Ordnance and Tactical Systems division within General Dynamics. In this role, Dr. Bartles oversaw three manufacturing plants as well as an engineering, research and development center that collectively at times had a total number of employees that exceeded 700. During Dr. Bartles’ tenure as the SBU leader, he more than quadrupled the SBU’s sales from the \$130 million annually when he took it over to more than \$600 million annually at its peak. Additionally, Dr. Bartles identified and led the acquisition of multiple companies during his tenure that represented over \$800 million of additional annual sales to the company.

In November 2006, Dr. Bartles was awarded the “Victor Lindner Development Award” for outstanding contributions in the areas of manufacturing and research/development by the Picatinny Chapter of the National Defense Industrial Association. His contributions in the area of CNC Adaptive Control were particularly highlighted.

In early 2012, Dr. Bartles was elected to the Society of Manufacturing Engineers’ (“SME”) College of Fellows. The SME College of Fellows has honored those members who have made outstanding contributions to the social, technological and educational aspects of the manufacturing profession. This is a highly prestigious honor that can only be earned through years (20 or more) of dedication and service to the greater manufacturing community at large. Later that same year, Dr. Bartles was conferred the status of Fellow by the American Society of Mechanical Engineers by the Committee of Past Presidents, who confers the Fellow grade of membership on worthy candidates to recognize their outstanding lifetime engineering achievements.

In September 2012, Dr. Bartles received the Association of Technology, Management, and Applied Engineering’s “Industry Innovation Award”, given to recognize an individual in industry and/or the private sector that has created more effective products, processes, services, technologies, or ideas that are accepted by markets, governments, and society.

In December 2012, Dr. Bartles received the National Center for Advanced Technologies’ “Defense Industry Manufacturing Excellence Award” awarded at the annual Defense Manufacturing Conference. This award recognizes an individual in the defense manufacturing community for making outstanding contributions to furthering manufacturing science and technology in the United States.

In 2013, Dr. Bartles received the Jesse S. Heiges Distinguished Alumni Award from Shippensburg University. The Heiges Award, established in 1959, is the University's highest award. The award recognizes the recipients' distinguished achievements in their field of endeavor to benefit community and society. Recipients have also, through their work and service, contributed immensely to society.

In March 2013, Dr. Bartles received the Epsilon Pi Tau "William E. Warner Professional Practice Award" for exemplary achievements as a practitioner in the profession of manufacturing technology.

In May 2014, Dr. Bartles received the Production and Operations Management Society's "Martin K. Starr Excellence in Production and Operations Management Practice Award" which is given to recognize exceptional quality and quantity of contributions made to the field of Production and Operations Management. This award is presented to an individual who has done an exceptional job in making advances in the practice of Production and Operations Management, promoting the profession, making a significant impact to the field, and who has exemplified collaboration through building a significant linkage between industry and academics.

In June 2014, Dr. Bartles received the "Manufacturing Leadership Award" that is awarded by the Manufacturing Leadership Council to honor individual manufacturing leaders that are shaping the future of global manufacturing. Dr. Bartles was specifically cited for individual achievement over his career in the "Growth, Innovation and Leadership Award" category. Additionally, in June 2014, Dr. Bartles was named "Manufacturing Leader of the Year" by the Manufacturing Leadership Council. This award is voted on by a panel of expert judges and the candidate is chosen from the pool of all 2014 award recipients based on the highest number of votes.

In July 2014, Dr. Bartles was awarded the M. Eugene Merchant Manufacturing Medal of ASME/SME. The M. Eugene Merchant Manufacturing Medal of ASME/SME is awarded to an individual who has had significant influence and responsibility for improving the productivity and efficiency (either by research or by implementation of research) of the manufacturing operation. This award was established in 1986 in honor of M. Eugene Merchant who is recognized as a pioneer in CNC machining.

In June 2016, Dr. Bartles received the "Visionary Leadership Award" that is awarded by the Manufacturing Leadership Council to honor individual manufacturing leaders who have demonstrated, through their ideas, values, and achievements, that they have emerged as leaders in their organizations and markets and have transformed their companies and institutions by challenging assumptions, achieving results, and empowering others.

Dr. Bartles currently volunteers his time serving on the Boards of the Society of Manufacturing Engineers (Immediate Past-President 2016), the North American Manufacturing Research Institution (Immediate Past- President), the National Center for Defense Manufacturing and Machining (Chairman Emeritus), the Smart Manufacturing Leadership Coalition (Chairman Emeritus), the Manufacturing Leadership Council's Board of Governors, the MTConnect Institute's Board of Trustees, the MForesight - Alliance for Manufacturing Foresight's Leadership Council, International TechneGroup Incorporated Board of Directors, the Louisiana Center for Manufacturing Sciences, the National Center for Advance Manufacturing, the American Society of Mechanical Engineers' Industry Advisory Board (recently appointed as the CTO) as well as Industry Advisory Boards at Pittsburgh State College, East Carolina University, Indiana State University, Iowa State University and Penn State University.

Dr. Bartles graduated from Shepherd University with a BS in Business Administration and holds a Master's in International Business from Tampa College, a Master's in Business Administration from Shippensburg University, a Doctorate in Business Administration from Nova Southeastern University and a Ph. D. in Technology Management with a concentration in Manufacturing Systems from Indiana State University where his dissertation research was entitled: "An Experiment to Assess the Utilization of Adaptive Control Technology on a CNC Lathe to Reduce Energy Consumption During Machining: A Step Towards Environmentally Conscious Manufacturing".