

March 11-12, 2021

**ITEM 193-1502-R0321**

**Authorization to Confer the Title of Professor Emeritus of Mechanical Engineering on R. Bruce Madigan - Montana Technological University**

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**THAT**

Upon the occasion of the retirement of Dr. R. Bruce Madigan from the faculty of Montana Technological University, the faculty wish to express their appreciation for his years of dedicated and valued service to the institution, the Department of Mechanical Engineering, and the state of Montana by recommending the rank of Professor Emeritus be conferred upon him by the Board of Regents of the Montana University System.

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**EXPLANATION**

Dr. Madigan retired from Montana Technological University as a full professor in 2020 after 17 years in the General and Mechanical Engineering Departments. He started as an Assistant Professor in General Engineering in 2003, was awarded tenure in 2008, and served as General Engineering Department Head from 2011 to 2018. Dr. Madigan brought over 20 years of industrial and research experience to Montana Technological University. His previous experience enabled him to teach industrially-relevant courses and conduct cutting-edge research.

Upon his arrival at Montana Tech, Dr. Madigan redirected the welding engineering curriculum to focus on automated and robotic welding applications. He developed new courses, laboratory exercises, and obtained numerous equipment donations from industrial and government partners. Dr. Madigan's efforts yielded state-of-the-art welding engineering laboratory facilities and high-quality courses, both of which contributed to student success.

Dr. Madigan is well-regarded as an instructor, consistently scoring high on student evaluations. His teaching excellence was twice recognized by the American Welding Society (AWS), first in 2006 when he received the Howard E. Adkins Memorial Instructor Award and again in 2010 when he received the Plummer Memorial National Educator Award.

In addition to being an outstanding instructor, Dr. Madigan was also a productive researcher at Montana Tech. His research yielded publications and patents and supported numerous graduate students. Dr. Madigan chaired numerous graduate committees including nine MS completions and one PhD completion. He also served as a committee member on numerous other graduate committees.

Dr. Madigan also has a long-standing professional service record, including service as Vice Chairman of the Montana Section of AWS and as a Principal Reviewer on the Technical Paper Peer Review Committee for the AWS Welding Journal. Dr. Madigan remains active in welding engineering, through consulting and continued professional service with AWS.

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**ATTACHMENTS**

No Attachments