

November 18-19, 2021

ITEM 197-1502-R1121

Authorization to Confer the Title of Professor Emeritus of Geophysical Engineering on Marvin A. Speece, Montana Technological University

THAT

Upon the occasion of the retirement of Dr. Marvin A. Speece from the faculty of Montana Technological University, the faculty wishes to express its appreciation for his years of dedicated and valued service to the institution, the Department of Geophysical Engineering, and the state of Montana by recommending the rank of Professor Emeritus in the Department of Geological Engineering be conferred upon him by the Board of Regents of the Montana University System.

EXPLANATION

Professor Marvin A. Speece received his BS degree in Geological Sciences from Wright State University in 1982, his MS in Geology from University of Michigan in 1984, and his PhD in Geophysics from University of Wyoming in 1992. In 1992 Dr. Speece came to Montana Tech as an Assistant Professor in the Geophysical Engineering Department. He was promoted to Associate Professor in 1996, awarded tenure in 1999, and promoted to Professor in 2001. He served as department head from 2005-2008 and 2013 to 2020. He was also a Visiting Fulbright Scholar in the Geophysics Department at Ain Shams University in Egypt from 2002-2003. He was a NASA Dragonfly Mission consultant from 2020-2021.

At Montana Tech, Dr. Speece taught applied linear systems, seismic prospecting and processing, physics of the earth, field geophysics within his department, and he also taught physics service courses for engineering and science students. He has taught a significant number of special topics courses and other departmental courses (24 courses not mentioned by name in this letter). For years, he worked diligently in organizing physics instructors and geophysical engineering faculty for freshman and sophomore physics courses being taught on campus. Dr. Speece has won several campus and off campus awards. Examples include the United States Antarctica Service Medal (2011), a Montana Tech Merit Award (2021), and the Montana Tech Lifetime Distinguished Researcher Award (2021).

Dr. Speece's research at Montana Tech has focused on a wide range of geophysical approaches to answer difficult questions in earth sciences. Dr. Speece has published 40 peer-reviewed journal papers, one book, two book chapters, 13 peer-reviewed proceedings papers, and 8 additional reports. He has remained active in presenting and publishing work with students his entire career including 109 abstracts and 27 invited talks. He has also remained active in peer-reviewing scientific literature for many journals. Dr. Speece has also brought ~\$3.6 million in research grants to Montana Tech.

Dr. Speece's tenure at Montana Tech can be characterized as outstanding with significant service to the University and to the State for which he is to be commended. For these and numerous other contributions, the Department of Geological Engineering are pleased to nominate Dr. Marvin A. Speece for the rank of Professor Emeritus of Geological Engineering at Montana Technological University.

ATTACHMENTS

None