

Eric J. Amis, Ph.D.
Vice Provost, Research
Dean, College of Polymer Science and Polymer Engineering



Eric J. Amis has responsibilities as Vice Provost for Research at the University of Akron and also as Dean of the College of Polymer Science and Polymer Engineering. He has a special interest in research engagement with industry.

Dr. Amis came to UA in 2014 from United Technologies Research Center, where he was Director of Physical Sciences since 2009. He led a team of 140 scientists and engineers responsible for research and development in advanced manufacturing, materials and chemical sciences, structural integrity, applied physics, and measurement science. In addition, he was responsible for developing external partnerships aligned with UTC strategies in advanced manufacturing.

Prior to UTRC, Amis spent 15 years in leadership roles at the National Institute of Standards and Technology (NIST) for the Materials Science and Engineering Laboratory, including 10 years in the Polymers Division. Before NIST, he was on the faculty in chemistry at the University of Southern California for 11 years. His Ph.D. in chemistry is from the University of Wisconsin-Madison.

Dr. Amis is a member of the Connecticut Academy of Science and Engineering and a Fellow of the American Chemical Society, the Materials Research Society, the American Physical Society, and the Polymeric Materials Science and Engineering Division of the American Chemical Society. He has served as chair of the Division of Polymer Physics of the APS and of the Polymer Chemistry Division of the ACS, and he was Editor-in-Chief of the Journal of Polymer Science: Physics for 11 years. His research interests are combinatorial and high-throughput methods for functional polymers or biomaterials, direct write and additive manufacturing, nanomaterial characterization, gels and networks, polyelectrolytes, and soft matter physics. He has 150 peer-reviewed publications and 55 H-index.

The University of Akron, Ohio's Polytechnic University, is the region's most influential public research university, contributing to the resurgence of the local economy and providing a workforce highly trained in a full range of undergraduate and graduate majors. With its career-focused and experiential learning UA defines the polytechnic approach to education. Its internationally renowned College of Polymer Science and Polymer Engineering, which has one of the largest concentrations of polymer expertise anywhere, draws top students and distinguished partners from around the world. The wealth of expertise at UA has helped establish Northeastern Ohio as "Polymer Valley."