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Yue Qi wins 2017 Brimacombe Medal from The Minerals, Metals & Materials Society

Yue Qi of Michigan State University has been awarded a national 2017 Brimacombe Medal from The Minerals, Metals & Materials Society for significant contributions in multidisciplinary computational materials science.

Qi, an associate professor of chemical engineering and materials science, will receive the honor on March 1 in San Diego during the TMS 2017 Annual Meeting and Exhibition. She is one of five medalists this year.

She was selected for her groundbreaking work ranging from chemical-mechanical coupling to breakthroughs in understanding Li-ion battery failure.

“J. Keith Brimacombe continuously inspires us to build bridges between science and engineering, modeling and experiments, and industry and academia,” Qi said. “It is an honor to receive an award named after him.

“TMS has played a major role in my career development and helped my transition from industry to academia. When I attend TMS meetings, I find colleagues, friends, mentors, new ideas, core strength, and much more,” she added.

Donald Morelli, professor and interim chair of the Department of Chemical Engineering & Materials Science, said theory and computation are playing an ever more important role in the design and application of engineering materials.

“Dr. Qi’s expertise in this area, together with her experience in industry that brings a valuable real-world perspective to problem solving, are key components of our materials science and engineering research program at MSU,” Morelli said. “We are very fortunate to have someone of Dr. Qi’s abilities and keen insight on our faculty, and she is very deserving of this award.”
Qi joined MSU in 2013 after working in research and development for General Motors for 12 years.

The Brimacombe Medal is a mid-career award for experts who have pushed the boundaries of the field or made a meaningful impact upon its future through their work and interactions with others. Recipients must also have a record of continuing service to their profession.

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