SME To Honor 12 Outstanding Young Engineers

Society of Manufacturing Engineers

Recipients Represent Next Generation of Industry Leaders

DEARBORN, Mich., March 29, 2011 — The Society of Manufacturing Engineers (SME) [1] is pleased to recognize 12 individuals with Outstanding Young Manufacturing Engineer (OYME) awards. This award recognizes young manufacturing practitioners who have made exemplary contributions and achievements in the manufacturing industry.

"The Society is especially pleased to honor so many young manufacturing engineers this year," said Paul Bradley, PE, 2011 SME President. "The industry is already experiencing a skilled workforce shortage that is only going to get worse as millions of baby boomers retire. We hope that recognizing such young, bright, talented engineers will inspire others to consider manufacturing as a promising career choice."

The 2011 Richard L. Kegg Outstanding Young Manufacturing Engineer Award is named in honor of Richard L. Kegg, PhD, FSME, CMfgE, PE, vice president of technology and manufacturing development (retired), Milacron Inc. Kegg was selected as the 2011 award's namesake in recognition of his lifelong contributions to manufacturing as well as his many accomplishments throughout his career, which serve as inspiration to engineering students and young engineers alike.

This year's recipients are:

Shorya Awtar, Sc.D Assistant Professor Mechanical Engineering University of Michigan, Ann Arbor Ann Arbor, Mich.

Shorya Awtar is an assistant professor of mechanical engineering at the University of Michigan, Ann Arbor. He received his undergraduate degree from the Indian Institute of Technology and graduate degrees from Rensselaer Polytechnic Institute and the Massachusetts Institute of Technology. **Read more** [2]

Emmanuel Brousseau, PhD RCUK Academic Fellow Innovative Manufacturing Research Centre Cardiff University Wales, United Kingdom

Emmanuel Brousseau is currently the recipient of an academic fellowship from the Research Councils UK at Cardiff School of Engineering, Cardiff University. His research interests include micro and nanofabrication, metrology, intelligent CAD/CAM and technology management. He leads the Nano Manufacturing Technologies Laboratory at Cardiff School of Engineering. **Read more** [3]

David M. Dietrich, PhD Materials Process and Physics Engineer The Boeing

Company Berkeley, Mo.

David M. Dietrich holds a PhD in engineering management and an MS in manufacturing engineering from Missouri University of Science and Technology. In addition, he also holds an MBA from Maryville University of St. Louis and a BS in industrial engineering technology from Murray State University. **Read more** [4]

Dalong Gao, PhD Senior Researcher Manufacturing Systems Research Lab General Motors Global Research and Development Center Warren, Mich.

Dalong Gao received his BE degrees in mechanical engineering and industrial engineering from Tsinghua University, Beijing, China, in 1999. He also received his MS degrees in mechanical engineering, electrical and computer engineering, and his PhD degree in mechanical engineering from the Georgia Institute of Technology in 2002, 2003 and 2005, respectively. **Read more** [5]

Sayata Ghose, PhD Senior Research Scientist National Institute of Aerospace Hampton, Va.

Sayata Ghose is currently a senior research scientist with the National Institute of Aerospace and a resident researcher with the Advanced Materials and Processing Branch at NASA Langley Research Center. Ghose obtained her PhD from the School of Polymer Science & Polymer Engineering at the University of Akron in 2004 and was awarded the internationally competitive National Research Council's Research Associateship from the National Academies to carry out research at NASA. **Read more** [6]

Sandip P. Harimkar, PhD Assistant Professor School of Mechanical and Aerospace Engineering Oklahoma State University Stillwater, Okla.

Sandip P. Harimkar is an assistant professor in the School of Mechanical and Aerospace Engineering at the Oklahoma State University. His research interests encompass advanced processing and characterization of materials, with emphasis on investigating the mechanisms of micro/nanostructure evolution and its influence on properties. Specific areas of research include spark plasma sintering of nanostructured materials, laser micromachining of materials, laser surface modifications of ceramics and laser cladding of amorphous/composite coatings. **Read more** [7]

Martin B.G. Jun, PhD Assistant Professor Department of Mechanical Engineering University of Victoria Victoria, British Columbia, Canada

Martin B.G. Jun is an assistant professor in the Department of Mechanical Engineering at the University of Victoria. After receiving his PhD from the University of Illinois at Urbana-Champaign in 2005, Jun stayed at UIUC to work as a postdoctoral research associate on various projects related to micromanufacturing. He has been at UVic since 2007. **Read more** [8]

Mohammed Omar, PhD Assistant Professor of Mechanical Engineering Clemson

University, International Center for Automotive Research Clemson, S.C.

Mohammed Omar received his BS in mechanical engineering from the University of Jordan in 2001, and his PhD in mechanical engineering from the University of Kentucky in 2005. He had been a visiting scholar at Toyota Motor Corp.'s Instrumentation Engineering Division in Aichi-Japan in 2005. Currently, he is an assistant professor at the Clemson University International Center for Automotive Research. **Read more** [9]

Binil Starly, PhD Assistant Professor School of Industrial Engineering University of Oklahoma Norman, Okla.

Binil Starly is currently appointed as an assistant professor in the School of Industrial Engineering at the University of Oklahoma. His research spans the design and fabrication of three-dimensional (3-D) tissue constructs for applications in tissue engineering and drug screening studies. His research and education interests include shape engineering, reverse engineering, rapid manufacturing and CAD/CAE/CAM. **Read more** [10]

Kevin T. Turner, PhD Assistant Professor of Mechanical Engineering University of Wisconsin-Madison Madison, Wis.

Kevin T. Turner is an assistant professor of mechanical engineering at the University of Wisconsin-Madison. He received his BS degree in mechanical engineering from the Johns Hopkins University in 1999, and his SM and PhD degrees in mechanical engineering from the Massachusetts Institute of Technology in 2001 and 2004, respectively. Turner joined the faculty of the University of Wisconsin-Madison in 2005. **Read more** [11]

Chengying "Cheryl" Xu, PhD Assistant Professor University of Central Florida Orlando, Fla.

Chengying "Cheryl" Xu is currently an assistant professor at the University of Central Florida. She received her PhD in 2006 in mechanical engineering from Purdue University, and her MS in 2001 in mechanical manufacturing and automation from Beijing University of Aeronautics and Astronautics. Her research interests include intelligent systems, control, manufacturing, smart sensor/actuator, online monitoring and diagnostics, mechatronics and automation. **Read more** [12]

Yihong "David" Yang, PhD Senior Engineer Caterpillar Inc. East Peoria, Ill.

Yihong "David" Yang is an engineering project team leader at Caterpillar Inc. His engineering career started in 2005 at Tech Center Manufacturing R&D. Yang dedicated his efforts in virtual manufacturing engineering domain, which uses various analysis and simulation, and digital/visualization tools to develop and validate the design and manufacturing processes in virtual environment to achieve quality, velocity and safety. **Read more** [13]

For more information about SME's Outstanding Young Manufacturing Engineer

Award, visit sme.org/oyme [14]. Nominations for the 2012 OYME awards are due **August 1, 2011.**

Visit the SME Media Center [15] for the latest Society news, one-stop access to SME Events, Manufacturing Quicklinks, SME social media sites, SME News Feed and more.

The Society of Manufacturing Engineers (SME) [1] is the premier source for manufacturing knowledge, education and networking. Through its many programs, events, magazines, publications and online training division, Tooling U [16], SME connects manufacturing practitioners to each other, to the latest technologies and to the most up-to-date manufacturing processes. SME has members around the world and is supported by a network of chapters and technical communities. A 501(c)3 organization, SME is a leader in manufacturing workforce development issues, working with industry, academic and government partners to support the current and future skilled workforce.

SOURCE [17]

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