

Retired Associate Editors

It is time again to recognize the dedication and exceptional services of an unusually large number of members of the Editorial team of the Journal. In the last several months, the six-year terms of ten Associate Editors have expired. I would like to take this opportunity, on behalf of the whole manufacturing community, to thank them for their outstanding work that has significantly contributed to the continuing growth of the Journal. Their bios appear below.

I would also like to introduce our new Journal Secretary, James (Jim) Herman, who has taken over from Mariela Huber effective September 1, 2009. Please welcome him to the team and approach him for help with any issues you face. Finally, we owe our gratitude to Mariela Huber who has managed to keep under control a very large number of demanding “customers” over the past three years.

Kornel F. Ehmann
Editor



Jian Cao has been with Northwestern University since she received her Ph.D. degree in solid mechanics from M.I.T. in 1995. She received her M.S. degree from M.I.T. in 1992 and dual B.S. degrees in Materials Engineering and Automatic Control from Shanghai JiaoTong University in 1985. She is now a Professor and the Director of Graduate Studies in the Department of Mechanical Engineering. During her tenure at Northwestern, she took a one-year leave at General Motors in FY1996 and a two-year leave at the National Science Foundation in FY2004 and 2005 as a program director. Professor Cao's primary interests are in the mechanics analysis and design of macro/micro metal forming and composite sheet forming processes. Her research contributions to the understanding of material instability in the deformation process have advanced the predictability of numerical simulations and been implemented in companies' engineering practice. Her research also includes intelligent process design algorithms considering process variations and utilizing real-time sensors; efficient simulation tools; and more recently on incremental forming process, micro-texturing engineering surfaces, and on the size effect in material deformation and friction behavior in microforming processes.



Darek Ceglarek received his Ph.D. degree in Mechanical Engineering from the University of Michigan-Ann Arbor in 1994. He was on the research faculty at the University of Michigan-Ann Arbor from 1995 until 2000, at which time he accepted an appointment at the University of Wisconsin-Madison as Assistant Professor in the Department of Industrial and Systems Engineering. There he rose to the ranks of Associate Professor and Professor in 2003 and 2005, respectively. Since 2006 he has been Professor and EPSRC Research Chair at the University of Warwick, UK. Professor Ceglarek is a Fellow of CIRP (International Academy of Production Research). He has served as Chair of the Quality, Statistics and Reliability Section of the Institute of Operations Research and Management Sciences (INFORMS), Program Chair for the ASME Design-for-Manufacturing Life Cycle (DFMLC) Conferences, and as an Associate Editor of the IEEE Trans. (TASE). He also served as Co-Chair of the 2007 and 2008 World Congress on Engineering, London. His research focuses on closed-loop life cycle modelling and analysis with emphasis on production and healthcare systems convertibility, scalability, and 6-sigma quality and root cause analysis (RCA) during design, manufacturing and service phases. He has developed a number of methodologies for 6-sigma variation reduction in manufacturing (SOVA methodology implemented by DCS, Inc. and BIW Data Analyzer implemented by GM;) and in service (FRL methodology for diagnosis of No-Defect-Found warranty faults implemented by Motorola and Remote diagnostics methodology for MR/CT field failures implemented by GE Healthcare). He has published widely in his research areas with more than 60 papers in leading journals such as IEEE Trans., ASME Trans., and IIE Trans., among others. Two of his papers received Best Paper Awards by ASME Manufacturing Engineering and Design Engineering Divisions. He has received numerous awards including, in 2007, a UK EPSRC STAR Award (granted to an exceptional senior faculty, recognised international leader in his/her research field), US National Science Foundation (NSF) 2003 CAREER Award, 1999 Outstanding Research Scientist Award from the College of Engineering at University of Michigan, and the 1998 Dell K. Allen Outstanding Young Manufacturing Engineer of the Year Award from the Society of Manufacturing Engineers (SME).



Dong-Woo Cho has been a Professor of Mechanical Engineering at Pohang University of Science and Technology, involved in teaching and research in machining and Microsystems, since receiving his Ph.D. in 1986 from the University of Wisconsin-Madison. In 1987 he founded the Intelligent Manufacturing Systems Laboratory at Pohang. Since then he has been actively conducting research in manufacturing-related areas. He developed the Virtual CNC, Machining diagnosis system using HILS, Thermally appropriate machine tool, and the Micro-Stereolithography system which can fabricate 3D freeform micro-structures. In recent years, he has focused on applying the manufacturing technology developed thus far to tissue engineering, mainly scaffold fabrication for cell seeding and culture, which is one of the cutting edge technologies in the biomedical manufacturing area. He has published 100 papers in various international journals and far more papers in domestic journals. He received the Outstanding Young Manufacturing Engineer award from SME in 1994, and several distinguished awards in Korea.



Kourosch Danai received all his degrees from Michigan, the last one a PhD in 1986. He joined the Mechanical Engineering Department at U Mass-Amherst in 1987, where he is now a Professor. Dr. Danai's research has focused on automation solutions that are inspired by artificial intelligence. With his students he has developed solutions for fault diagnosis of helicopter gearboxes as well as optimization and control of manufacturing processes. He has been the recipient of three innovation awards from NASA, spent the summer of 1990 at Sikorsky Aircraft Company (working on helicopter track and balance), the fall of 1994 at the United Technologies Research Center (working on sensor location selection in helicopter gearboxes), and the fall of 2001 at the National Research Council of Canada (working on plastic processing control). Dr. Danai has chaired the Manufacturing Systems Panel of the ASME Dynamic Systems and Control Division and was Program Chair of the ASME Dynamic Systems and Control Division at the 1996 International Mechanical Engineering Congress and Exposition. He is a Fellow of ASME.



William J. Endres is currently an Associate Professor of Mechanical Engineering at Michigan Technological University, and is President of Endres Machining Innovations, LLC (EMI) of Houghton, MI. He has been active in research related to cutting mechanics and machining dynamics since 1988 and in service to various professional organizations. EMI's applied R&D in cutting-tool and machining-process technologies aims to commercialize new products and services based on knowledge from his and others' research. His current work focuses on difficult-to-machine materials, recently attaining cutting speeds of 300 m/min in titanium.



Brian K. Paul is a Professor of Manufacturing Engineering in the School of Mechanical, Industrial and Manufacturing Engineering at Oregon State University (OSU) and is Director of the OSU Nano/Micro Fabrication (NMF) Facility. Since being at OSU, Dr. Paul has been a principal founding member in the OSU Center for Micro Energy and Chemical Systems (MECS), the Microproducts Breakthrough Institute (MBI), and the Oregon Nanoscience and Microtechnologies Institute (ONAMI). His role in these collaborations has been manufacturing process research and development for the commercial application of arrayed microchannel technology. Dr. Paul's research has included process development for scaling up microchannel kidney dialyzers, biodiesel microreactors and microchannel heat pumps. Recent process development efforts have focused on the use of MECS in nanomaterial synthesis and nanomanufacturing. Dr. Paul's research has been funded through a mix of federal (NSF, AFRL, ARL, ONR, DARPA, etc.) and private (Keck Foundation, Murdock Foundation, HP, ESI, Tektronix, etc.) sponsors. Dr. Paul has received numerous awards acknowledging his research accomplishments including the Office of Naval Research

Young Investigator Award, the International Engineering Design and Automation Young Faculty Award, the OSU Engelbrecht Young Engineering Faculty Award and the OSU College of Engineering Research Collaboration Award. Dr. Paul has authored or co-authored over 50 refereed publications, patents or book chapters on microlamination, layered manufacturing, material joining and general manufacturing. He has been an Associate Editor for the two premier manufacturing journals (ASME J Mfg Sci Engr and SME J Mfg Processes), has been a past Scientific Committee Member for the North American Manufacturing Research Conference and is an active member of ASPE, SME, IIE and ASME.



Shivakumar Raman is a John A. Myers Professor in Engineering and David Ross Boyd Professor at the University of Oklahoma (OU). He received his PhD from Pennsylvania State University. He conducts research in machining tribology, tolerance metrology and manufacturing processes; and has directed 40 external grants and contracts and published 130 technical articles in journals, books and conferences. He is an elected Fellow of three major engineering societies: American Society of Mechanical Engineers (ASME), Institute of Industrial Engineers (IIE) and Society of Manufacturing Engineers (SME); and he is a recipient of the IIE Outstanding Young Industrial Engineer and SME Outstanding Young Manufacturing Engineer awards. He is the Executive Director of the Shape Engineering for Advanced Manufacturing (SEAM) Enterprise, designed for Aerospace MRO support. He is the current Scientific Committee Chair (Chief Editor) for the North American Manufacturing Research Institution of SME (NAMRI/SME).



Mary Lynn Realff is an Associate Professor of Polymer, Textile & Fiber Engineering at Georgia Institute of Technology (Georgia Tech). She earned her PhD in Mechanical Engineering and Polymer Science and Technology in 1992 from MIT. She holds a BS Textile Engineering Degree from Georgia Tech. At Georgia Tech, Dr. Realff teaches graduate and undergraduate courses in the mechanics of textile structures and polymer science areas. Dr. Realff has made a significant contribution to the understanding of the mechanical behavior of woven fabrics and fibrous structures. She currently conducts research on the analysis and design of fibers containing carbon nanotubes. Dr. Realff has served as a program director for NSF's Materials Processing and Manufacturing Program. Currently, she is a Co-Director of the Center for the Study of Women, Science and Technology. She also facilitates a student/industry mentoring program which matches industry mentors with Georgia Tech undergraduate students for 9-month mentoring relationships. The program has been shown to increase the retention of students. Dr. Realff is Vice President for the Center for Leadership and Diversity in ASME and leads the ASME President's task force on Diversity during

2008-09. She is a member of The Fiber Society, American Association of Textile Colorists and Chemists, the American Society of Engineering Educators, and the Society of Women Engineers and also serves on the board of the Georgia Womens Institute. Dr. Realff currently lives in Atlanta, Georgia with her husband and two children.



Steven R. Schmid is an Associate Professor of Mechanical Engineering at the University of Notre Dame. He performs research and teaches courses in the general areas of manufacturing, metal forming, tribology, biomechanics and design. Dr. Schmid is a co-author of the textbooks *Manufacturing Engineering and Technology*, *Manufacturing Processes for Engineering Materials*, *Fundamentals of Machine Elements*, and *Fundamentals of Fluid Film Lubrication*. He has held numerous offices in the Tribology Division of the American Society of Mechanical Engineers. He has written over eighty technical papers. Among his honors, Dr. Schmid has received a National Science Foundation CAREER award (1994), a John T. Parsons Award from the Society of Manufacturing Engineers (2000), the Kaneb Teaching Award at Notre Dame (1999-2000 and 2002-2003 academic years) the Burt Newkirk Award from the American Society of Mechanical Engineers (2000), was named a Kaneb Faculty Fellow in 2002, and received the Ruth and Joel Spira Award for Excellence in Teaching (2005). Steve lives in Lakeville, Indiana with his wife Shelly, daughter Carly and son Robert.



Yung C. Shin is a Professor of Mechanical Engineering at Purdue University and holds the Donald A. and Nancy G. Roach Professorship of Advanced Manufacturing. He received his Ph.D. in Mechanical Engineering from the University of Wisconsin in Madison in 1984. He worked as a Senior Project Engineer at the General Motors Technical Center in Warren, Michigan from 1984 to 1988 and an Assistant Professor at Pennsylvania State University from 1988 to 1990. He joined the School of Mechanical Engineering at Purdue University in 1990. His research areas include laser processing of materials, intelligent and adaptive control of manufacturing processes, dynamics of machine tools, high speed machining, machining of advanced materials, process monitoring and automation. He has published over 200 papers in archived refereed journals and refereed conference proceedings, and has authored chapters in several engineering handbooks, co-edited two books, and recently co-authored a book entitled "Intelligent Systems: Modeling, Optimization and Control". In addition, he has given numerous presentations at various conferences and lectures at different universities, research institutions and industrial companies. He established the Center

for Laser-based Manufacturing in 2003 and currently is serving as its Director. He has also served as chair of Systems, Measurement and Control Area in the School of Mechanical Engineering. He received the 2007 ASME Blackall Machine Tool and Gage Award, the annual best paper award.