

# Editorial

With this issue of the *Journal of Mechanical Design*, the terms of five of the Associate Technical Editors (ATEs) of the Journal have been completed. Gary L. Kinzel, Charles F. Reinholtz, Brian S. Thompson and Lung-Wen Tsai all completed their terms as ATEs for the field of Mechanisms. Erik K. Antonsson ended his term as an ATE in the area of Design Theory and Methodology and Gary A. Gabriele completed his term as an ATE in the area of Design Automation. I would like to thank them all for their distinguished service to the Journal and the Design community.

Starting with this issue of the Journal, four new Associate Editors start their terms with the Journal. Deborah L. Thurston is the new ATE for the area of Design Theory and Methodology replacing Erik K. Antonsson. David A. Hoeltzel replaces Gary A. Gabriele and is the new ATE in the area of Design Automation. Michael Savage is a new ATE for the area of Power Transmission and Gearing. Due to the increased volume of papers in this area, I have had to increase the number of ATEs for this area from one individual to two. Finally, Kosuke Ishii is the new ATE for the area of Design for Manufacturability. This is the first time that the Journal has had an ATE for this sub-area of Mechanical Design. The intention is to encourage more papers of high quality in the area of Design for Manufacturability.

A short biographical sketch is provided for each of the new ATEs at the end of this editorial. These individuals together with continuing Associate Technical Editors handle most of the work related to the Journal's review process and deal directly with authors and reviewers. I would like to welcome them aboard and look forward to working with them.

Bahram Ravani  
Technical Editor

## Deborah L. Thurston

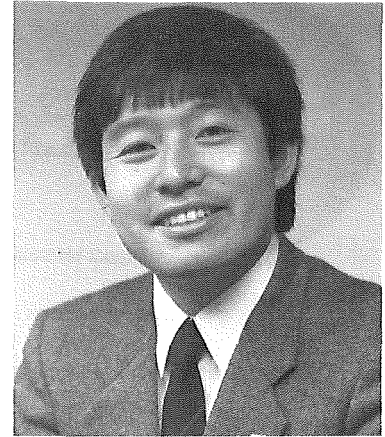
Deborah L. Thurston is an associate professor in the Department of General Engineering at the University of Illinois at Urbana-Champaign. She received Ph.D. and M.S. degrees from the Massachusetts Institute of Technology in 1987 and 1984, respectively. After receiving a B.S. degree from the University of Minnesota in 1978, she worked for four years at the Minnesota Pollution Control Agency. She received the National Science Foundation Presidential Young Investigator Award and the Xerox Award for her research in design theory and methodology. She is a registered professional engineer and a member of ASME, IEEE, IIE and ORSA and has served on the ASME Design Theory and Methodology Committee. Her research interests are in multiattribute design optimization and decision making under uncertainty, normative expert systems, automotive material selection, and incorporating environmental considerations into engineering design.



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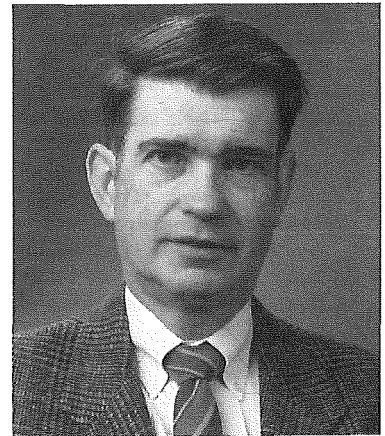
## Kosuke Ishii

Kosuke Ishii is an associate professor in the Department of Mechanical Engineering at the Ohio State University. He received his B.S. in Mechanical Engineering in 1979 from Sophia University in Tokyo, his M.S. in Mechanical Engineering in 1982 from Stanford University, and his M.S. in Control Engineering in 1983 from Tokyo Institute of Technology. After serving with Toshiba Corporation for three years as a design engineer, he returned to Stanford and completed his Ph.D. in Mechanical Design in 1987. He has authored or co-authored more than sixty refereed articles. He is the recipient of various awards including the JSME Hatakeyama award, Lilly Fellowship for Excellence in Teaching, NSF Presidential Young Investigator Award, OSU Lumely Research Award, and Pitney Bowes-ASME Award for Excellence in Mechanical Design. He serves on the executive committee of the ASME Computers in Engineering Division, the ASME Design Automation Committee, and the ASME Design Theory and Methodology Committee. He is a member of ASME, SME, JSME, and SICE (Japan). His current research focuses on the life-cycle engineering design and robust design optimization, and he is collaborating with many major manufacturing companies.



## Michael Savage

Michael Savage is a professor in the Department of Mechanical Engineering at the University of Akron. He received his B.S.M.E. from Manhattan College in 1963 and his M.S.M.E. and Ph.D. from Purdue University in 1965 and 1969. In the academic world, he has held faculty appointments in mechanical design at Washington State University, Case Western Reserve University, and Purdue University Calumet. In industry, he has held design positions at the United Shoe Machinery Corp. and the Erickson Tool Co. Among his research accomplishments, he is co-holder of a patent for a ship frame beam bender and has developed an analysis to predict the kinematic stability of roller bearings. The AGARD Group of NATO invited him to document his work on the reliability and life of helicopter and turbo-prop transmissions in 1990. A member of ASME since 1965, he became an ASME Fellow in 1991. In 1976, he was Chairman of the ASME Cleveland Section and has been active in the Design Division since 1979, serving as Publicity Chairman and as Honors and Awards Chairman. His recent research is in the design of mechanical devices for bio-medical applications and in the computer modeling and optimization of gear and transmission service life.



## David A. Hoeltzel

David A. Hoeltzel is with Pitney Bowes Corporation and is an Adjunct Associate Professor of Mechanical Engineering with Columbia University. He received his B.Eng. from The Cooper Union College of Engineering in 1978, his M.Eng. from Cornell University in 1979 and his Ph.D. in Mechanical Engineering from the University of Minnesota in 1984. He was the recipient of the Kodak-ASME Design Automation Award in 1991. He is a member of ASME, IEEE, ACM, AAAI, and the New York Academy of Sciences, was Chairman of the 1992 ASME Design Automation Conference, and was Chairman of the membership committee for the ASME Bioengineering Division from 1985 to 1990. His research interests include design of biomechanical implants (orthopedics and ophthalmology), knowledge-based mechanism synthesis, design knowledge bases for mechanism synthesis, clearances and tolerances in mechanical systems, parametric geometric modeling and finite element mesh generation, and planning in manufacturing processes and mechanical assembly.

