

Most cited paper award

The Publisher presents the second annual “Most Cited Paper Award” for Computer-Aided Design. Our most cited paper award offers an alternative to committee-selected “best papers”. The only objective and transparent metric that is highly correlated with the quality of a paper is the number of citations. We hope that the design of this most cited paper award will ensure fairness and equal opportunity for all authors published in the Journal. It is our hope that this award will stimulate the best minds to release their best work.

Papers for this distinction are determined solely based on the highest number of cites, excluding self-citations, received for all journal articles published between the years 2005–2007 [data culled from SCOPUS reports (www.scopus.com) created on January 15, 2008]. The winning paper, for the second year in a row, is “Three-dimensional shape searching: State-of-the-art review and future trends” by N. Iyer, S. Jayanti, K. Lou, Y. Kalyanaraman, and K. Ramani, *Comput. Aided Des.*, 37 (2005) 509–530. Iyer et al. was referenced 42 times between the date of publication and December 31, 2007 when measured by the above-referenced methodology.

We once again congratulate Drs. Iyer, Jayanti, Lou, Kalyanaraman, and Ramani for accomplishing this great achievement.

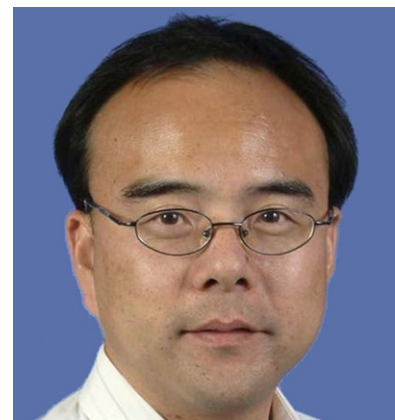


Natraj Iyer (1975–2006) was born in Thane, India. He received his undergraduate degree in Production Engineering from the University of Bombay, India. He completed his Masters and Ph.D. in Mechanical Engineering at Purdue University, West Lafayette, Indiana. During his doctoral study, he was also a fellow of Innovation Realization Laboratory at Krannert Graduate School of Management. While working at the Purdue Research and Education Center for Information Sciences in

Engineering for his dissertation, he focused on developing a three-dimensional shape-based search engine for CAD models. He then joined as Senior Design Engineer at Stryker Endoscopy. He further went on to work as Product Design Engineer at W.L. Gore and Associates. His nonacademic interests included traveling, cricket, vegetarianism, music and also learning German. Natraj died in a car accident on New Year’s Eve 2006 while visiting his alma mater. He is survived by his mother Vatsala Iyer and wife Emily Iyer.



Subramaniam Jayanti graduated from Purdue University, West Lafayette, Indiana, with a Ph.D. in Mechanical Engineering in August 2006. He is currently working as a computational mechanics engineer in the application development group at Third Wave Systems, Minneapolis. His research interests include product design, CAD interoperability, and design reuse.



Kuiyang Lou is a Research Engineer at the Global Research Center of General Electric Company(GE). His research interests include computer aided design and analysis, knowledge-based process integration and optimization, shape representation and retrieval, artificial intelligence, and computing and information systems in engineering. He received a BS in Material Science and Engineering from Changsha Institute of Technology, China (1987), and an MS in Materials Science and Engineering from Tianjin University, China (1994). He continued his study at Purdue University and earned an MS in Computer Science and a Ph.D. in Mechanical Engineering in 2004.



summer faculty intern at Dow Plastics, Advanced Materials. He was awarded the Dupont Young Faculty Award, the National Science Foundation (NSF) Research Initiation Award, the NSF CAREER Award, the Ralph Teetor Educational Award from the Society of Automotive Engineers, the Outstanding Young Manufacturing Engineer Award from the Society of Manufacturing Engineers, and the Ruth and Joel Spira Award for Outstanding Contributions to the Mechanical Engineering Curriculum. In 2002, he was recognized by Purdue University through a University Faculty Scholars Award and won the NSF Partnership for Innovation Award. In 2005, he won the Discovery in Mechanical Engineering Award for his work in shape search. He won the Innovation of the Year Award (finalist) from the State of Indiana in 2006. He has developed many successful new courses - including Computer-Aided Design and Prototyping. He also serves as the chief technology advisor at Imaginestics, that has launched the world's first on-line shape-based search engine. His interests are in digital and computational geometry, shape design and analysis, search and conceptual design. In 2007, he was the recipient of Purdue's College of Engineering Wide Faculty Research Excellence Award. He serves on the editorial board of Elsevier's Journal of Computer-Aided Design. In 2008 he is a visiting Professor in Computer Science at Stanford University.

Yagnanarayanan Kalyanaraman is a Doctoral student of Mechanical Engineering at Purdue University, West Lafayette, Indiana. His current research work is focused on developing new 3D shape representations, used mainly for storing and retrieval of 3D models. He is also working on creating new tools for handling different tasks while dealing with huge CAD model repositories. His other areas of interest include product design and informatics, user interfaces, analysis in CAD, artificial intelligence and pattern recognition.



Karthik Ramani is a Professor in the School of Mechanical Engineering at Purdue University and also Professor by Courtesy in the School of Electrical and Computer Engineering. He earned his B.Tech. from the Indian Institute of Technology, Madras, in 1985, an MS from The Ohio State University, in 1987, and a Ph.D. from Stanford University in 1991, all in Mechanical Engineering. He has worked as a summer intern at Delco Products, Advanced Composites, and as a