

EDITOR'S NOTE

AI EDAM at the cutting edge

Since 1993 *AI EDAM* has been distinguished by its Special Issues on a wide variety of topics. There have been from two to four Special Issues every year since that time. This is a tremendous collection of knowledge and something of which the journal is very proud. The list of all Special Issues is included here to emphasize the scope of this endeavor. It includes the names of the guest editors: a who's who of the field.

We want Special Issues to be as “cutting edge” as possible and to provide an excellent, representative, high quality view of the current work on that topic. The Special Issues in Volumes 24 and 25 on Creativity, Biologically Inspired Design, and Gesture in Designing are good examples of this.

Occasionally we revisit earlier topics to show how the field is maturing. We have done that with Machine Learning in Design, Configuration, and Functional Reasoning, for example. We expect to do it again for Creativity.

Another source of Special Issues is workshops and conferences. The continuing relationship with the Design Computing and Cognition series of conferences is the prime example, with authors asked to flesh out their conference papers to full journal size and quality. All submissions receive a comprehensive review, and they are required to be significantly different from the conference papers.

Part of the Editor in Chief's job is to plan for future Special Issues. This is done by asking the Editorial Board for suggestions of topics and by keeping track of what appear to be emerging topics in workshops and conferences.

Once appropriate topics are determined for future Special Issues, guest editors are sought from the most active and authoritative researchers in the field. I am very happy to report that we have Special Issues planned out as far as the middle of 2013, with a set of first class guest editors in place.

Please check the Editor's *AI EDAM* webpages at <http://web.cs.wpi.edu/~aiedam/SpecialIssues/> for the upcoming Special Issues and give some thought to submitting a paper to any that match your research. In addition, if you have ideas for future Special Issues, please contact me directly via <aiedam@cs.wpi.edu>.

David C. Brown
Editor

Past Special Issues

- Vol. 7, No. 2, Spring 1993—Case-Based Reasoning in Design, P. Pu
- Vol. 7, No. 4, Fall 1993—Preliminary Stages of Engineering Modeling and Analysis, D. Finn
- Vol. 8, No. 2, Spring 1994—Machine Learning in Design, M.L. Maher, D.C. Brown, & A.H.B. Duffy
- Vol. 8, No. 4, Fall 1994—Research Methodology, Y. Reich
- Vol. 9, No. 2, April 1995—Concurrent Engineering, W.P. Birmingham & A. Ward
- Vol. 9, No. 4, September 1995—Conflict Management in Design, I.F.C. Smith
- Vol. 10, No. 2, April 1996—Machine Learning in Design, A.H.B. Duffy, D.C. Brown, & M.L. Maher
- Vol. 10, No. 4, September 1996—Representing Functionality in Design, A. Chakrabarti & L. Blessing
- Vol. 11, No. 2, April 1997—Capturing and Using Design Rationale, P.W.H. Chung & R. Bañares-Alcántara
- Vol. 11, No. 4, September 1997—Geometric Representation and Reasoning in Design, R. Woodbury & C. Damski
- Vol. 12, No. 2, April 1998—Machine Learning in Design, A.H.B. Duffy, D.C. Brown, & A.K. Goel
- Vol. 12, No. 4, September 1998—Configuration Design, T. Darr, M. Klein, & D.L. McGuinness
- Vol. 13, No. 2, April 1999—Temporal Logic in Engineering, E. Nissan
- Vol. 13, No. 4, September 1999—Generative Systems in Design, S. Emdanat, G. Stiny, & E.-G. Vakiló
- Vol. 13, No. 5, November 1999—Evolutionary Design, P. Bentley
- Vol. 14, No. 2, April 2000—Life-Cycle Design, W.J. Marx, J. Kunz, & B. Prasad
- Vol. 15, No. 4, September 2001—AI in Equipment Service, A. Agogino, P. Bonissone, K. Goebel, & G. Vachtsevanos
- Vol. 16, No. 3, June 2002—Human-Computer Interaction in Engineering Contexts, I.C. Parmee & I.F.C. Smith
- Vol. 17, No. 1, January 2003—Configuration, T. Soininen & M. Stumptner

- Vol. 17, No. 3, June 2003—New Artificial Intelligence Paradigms for Manufacturing, D.M. Gaines & W.C. Regli
 - Vol. 18, No. 1, Winter 2004—Platform Product Development for Mass Customization, G. Huang, R. Jiao, & M.M. Tseng
 - Vol. 18, No. 2, Spring 2004—Intelligent Agents in Design, J.S. Gero & F.M.T. Brazier
 - Vol. 18, Nos 3 & 4, Summer & Fall 2004—Learning and Creativity, Parts 1 & 2, A.H.B. Duffy & F.M.T. Brazier
 - Vol. 19, Nos 2 & 3, Spring & Summer 2005—Engineering Applications of Representations of Function, Parts 1 & 2, R.B. Stone & A. Chakrabarti
 - Vol. 19, No. 4, Fall 2005—Design Computing and Cognition (DCC'04), A. Dong
 - Vol. 20, No. 2, Spring 2006—Design Spaces: The Explicit Representation of Spaces of Alternatives, R. Stouffs
 - Vol. 20, No. 3, Summer 2006—Understanding, Representing, and Reasoning About Style, C.M. Eckert & E.Y.-L. Do
 - Vol. 20, No. 4, Fall 2006—Constraints and Design, B. O'Sullivan
 - Vol. 21, No. 2, Spring 2007—Computational Linguistics for Design, Maintenance, and Manufacturing, N. Segers & P. Leclercq
 - Vol. 21, No. 3, Summer 2007—Support for Design Teams, M.L. Maher & R. Fruchter
 - Vol. 21, No. 4, Fall 2007—Design Computing and Cognition (DCC'06), A. Dong & J.S. Gero
 - Vol. 22, No. 2, Spring 2008—Multimodal Design, A.K. Goel, R. Davis, & J.S. Gero
 - Vol. 22, No. 3, Summer 2008—Genetic Programming for Human-Competitive Designs, L. Spector
 - Vol. 22, No. 4, Fall 2008—Design Rationale, J.E. Burge & R. Bracewell
 - Vol. 23, No. 1, February 2009—Developing and Using Engineering Ontologies, C. McMahon & J. van Leeuwen
 - Vol. 23, No. 3, August 2009—Tangible Interaction for Design, E.Y.-L. Do & M.D. Gross
 - Vol. 23, No. 4, November 2009—Problem Solving Methods: Past, Present, and Future, D.C. Brown
 - Vol. 24, No. 1, February 2010—Design Computing and Cognition (DCC'08), A.K. Goel & E.Y.-L. Do
 - Vol. 24, No. 2, May 2010—Creativity: Simulation, Stimulation, and Studies, M.L. Maher, Y.S. Kim, & N. Bonnardel
 - Vol. 24, No. 3, August 2010—Design Pedagogy: Representations and Processes, Daniel Frey, William Birmingham, & Clive Dym
- Future Special Issues***
- Vol. 24, No. 4, November 2010—Biologically Inspired Design, A. Chakrabarti & L. Shu
 - Vol. 25, No. 2, May 2011—Configuration, A. Felfernig, M. Stumptner, & J. Tiihonen
 - Vol. 25, No. 3, August 2011—The Role of Gesture in Designing, W. Visser & M.L. Maher
 - Vol. 25, No. 4, November 2011—Representing and Reasoning About Three-Dimensional Space, S. Hanna & W. Regli
 - Vol. 26, No. 2, February 2012—Design Computing and Cognition (DCC'10), S. Rudolph, J. Heisserman, & S. Culley
 - Vol. 26, No. 3, August 2012—Sketching and Pen-Based Design Interaction, M. Yang & L.B. Kara
 - Vol. 26, No. 4, November 2012—Intelligent Decision Support and Modeling, A. Dong & J. Jupp
 - Vol. 27, No. 2, February 2013—Studying and Supporting Communication in Design and Manufacturing, M. Kleinsmann & A. Maier

Note: Please check the Cambridge University Press *AI EDAM* website before ordering back copies of these Special Issues because they sometimes do not appear in the originally scheduled issue number or month.