

Table of Contents

June 2005

3D Hard Copy

- 32 Introduction *Andrew Rosenbloom, Senior Editor*
- 36 Rapid Prototyping in Consumer Product Design *Paul K. Wright*
- 42 Layered Manufacturing for Scientific Visualization *Mike Bailey*
- 50 Layered Manufacturing Technologies *Sara McMains*
- 58 Shape-Based Retrieval and Analysis of 3D Models *Thomas Funkhouser, Michael Kazhdan, Patrick Min, and Philip Shilane*
- 66 Rapid Prototyping: A 3D Visualization Tool Takes on Sculpture and Mathematical Forms *Carlo H. Séquin*
- 74 Protecting 3D Graphics Content *David Koller and Marc Levoy*



88

Articles

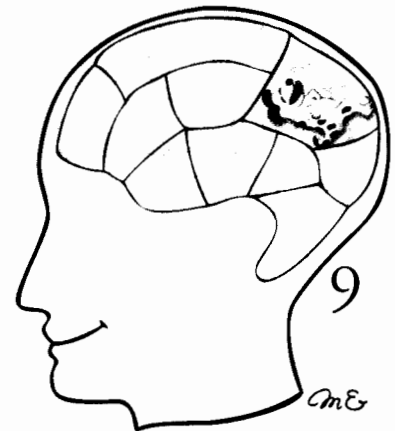
- 82 Creating Successful Entrepreneurial Ventures in IT *U.N. Umesh, Minh Q. Huynh, and Len Jessup*
- 88 IT Professionals as Organizational Citizens *Jo Ellen Moore and Mary Sue Love*
- 94 An Incentive System for Reducing Malware Attacks *James A.M. McHugh and Fadi P. Deek*
- 100 Criminal Network Analysis and Visualization *Jennifer Xu and Hsinchun Chen*
- 108 Agents in E-Supply Chains *Rahul Singh, A.F. Salam, and Lakshmi Iyer*
- 117 Knowledge Management Mechanisms of Financial Service Sites *Fiona Fui-Hoon Nah, Keng Siau, and Yuhong Tian*
- 124 The Bible and Multilingual Optical Character Recognition *Tapas Kanungo, Philip Resnik, Song Mao, Doe-Wan Kim, and Qigong Zheng*

Columns

- 15 The Business of Software Sarbanes-Oxley and Software Projects *Phillip G. Armour*
- 21 Legally Speaking The Supreme Court Revisits the *Sony* Safe Harbor *Pamela Samuelson*
- 29 Viewpoint Updating Computer Science Education *Jacques Cohen*
- 131 Technical Opinion The CAN-SPAM Act: A Silver Bullet Solution? *Younghwa Lee*
- 144 Inside Risks What Lessons Are We Teaching? *Susan Landau*

Departments

- 9 News Track
- 11 Forum
- 19 Hot Links
- 27 President's Letter Do You Queue? *David A. Patterson*
- 133 Career Opportunities
- 139 Calendar of Events



COVER: Fifteen-inch-tall physical replica (plastic resin) of Michelangelo's David produced from a laser scan of the original in Florence. (Stanford Digital Michelangelo Project; replica manufactured by Gentle Giant Studios)