

Table of Contents

February 2005 = 7 81.8. 2548



Medical Image Modeling Tools and Applications

- 26 Introduction *Dimitris Metaxas, Guest Editor*
- 31 Hepatic Surgery Simulation *Herve Delingette and Nicholas Ayache*
- 37 Virtual Colonoscopy *Arie E. Kaufman, Sarang Lakare, Kevin Kreeger, and Ingmar Bitter*
- 43 Volumetric Heart Modeling and Analysis *Kyoungju Park, Albert Montillo, Dimitris Metaxas, and Leon Axel*
- 49 Incorporating 3D Virtual Anatomy into the Medical Curriculum *Celina Imielinska and Pat Molholt*
- 55 Open Source Software for Medical Image Processing and Visualization *Terry S. Yoo and Michael J. Ackerman*



Articles

- 66 Centralization Momentum: The Pendulum Swings Back Again *J. Roberto Evaristo, Kevin C. Desouza, and Kevin Hollister*
- 72 Trust in E-Commerce *A.F. Salam, Lakshmi Iyer, Prashant Palvia, and Rahul Singh*
- 78 Evaluating Information Security Investments Using the Analytic Hierarchy Process *Lawrence D. Bodin, Lawrence A. Gordon, and Martin P. Loeb*
- 85 The Value of Mobile Applications: A Utility Company Study *Fiona Fui-Hoon Nah, Keng Siau, and Hong Sheng*
- 91 Examining Differences Across Journal Rankings *R. Kelly Rainer, Jr. and Mark D. Miller*
- 95 Intelligent Mobile Crisis Response Systems *Yufei Yuan and Brian Detlor*



Columns

- 15 Technology Strategy and Management Google: What It Is and What It Is Not *Michael A. Cusumano*
- 19 Viewpoint On the Nature of Computing *Jon Crowcroft*
- 99 Technical Opinion Dataless Objects Considered Harmful *Chenglie Hu*
- 102 Technical Opinion E-Government Usability for Older Adults *Shirley Ann Becker*
- 128 Inside Risks Responsibilities of Technologists *Peter G. Neumann*

Departments

- | | | |
|-----------------------|-----------------------------------|--------------------------|
| 9 News Track | 23 Hot Links | 105 Career Opportunities |
| 11 Forum | 61 Professional De-Charter Notice | 122 Calendar of Events |
| 14 President's Letter | | |
| 21 SIGs Elections | 63 Student De-Charter Notice | |

FUNCTIONAL HEART MODEL FOR MEDICAL EDUCATION BY VASSILIOS HURMUSIADIS
(VASSILI@PRIMALPICTURES.COM) Copyright Primal Pictures Ltd. (www.primalpictures.com)