



User Centered Design for Medical Visualization (Premier Reference Source)

By Feng Dong

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User Centered Design for Medical Visualization features a comprehensive review of leading advances in medical visualization and human-computer interaction. This book investigates the human roles during a visualization process, specifically motivation-based design, user-based design, and perception-and-cognitive-based design. An essential resource for researchers, scholars, healthcare practitioners, and medical technology specialists,

User Centered Design for Medical Visualization provides real-world examples and insight into the analytical and architectural aspects of user centered design.

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Editorial Review

About the Author

Feng Dong is a lecturer in computer graphics in the Department of Information Systems and Computing, Brunel University, Uxbridge, UK. His research interests include fundamental computer graphics algorithms, texture synthesis, image-based rendering, medical visualization, volume rendering, human modeling and rendering, and VR. Dong has a PhD in computer science from Zhejiang University, China.

Gheorghita Ghinea is a Senior Lecturer in the School of Information Systems, Computing and Mathematics at Brunel University. He holds a BSc (Hons) Degree in Computer Science and Mathematics, an MSc in Computer Science (with Distinction, 1996), both from the University of the Witwatersrand, Johannesburg, South Africa and a PhD in Computer Science (2000) from the University of Reading, U.K.. He has published over 60 research papers in leading international journals and peer-reviewed conferences and has consulted for both public and private organizations in his areas of research interest which are: distributed multimedia (especially perceptual aspects), web-based systems, ubiquitous computing, and telemedicine . Dr. Ghinea is a member of the IEEE and the British Computer Society.

Sherry Y. Chen is a senior lecturer in the School of Information Systems, Computing and Mathematics, at Brunel University, UK. She obtained her Ph.D. from the University of Sheffield, UK, in 2000. She has published widely in the areas of human-computer interaction, data mining, digital libraries, and educational technology. Dr. Chen was the co-editor of the books, Adaptive and Adaptable Hypermedia Systems and Advances in Web-based Education: Personalized Learning Environments, and is a member of the editorial boards of five computing journals. She has been invited to give several talks, including the 9th International Conference on User Modelling and EPSRC Network of Women in Computer Science colloquium.

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