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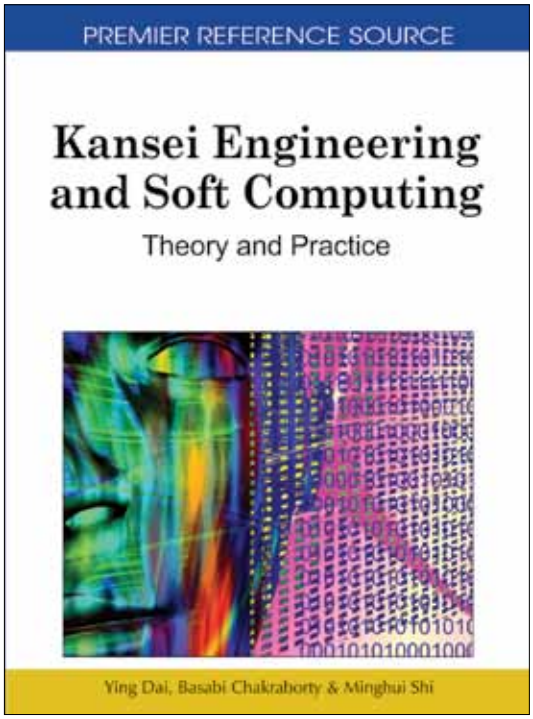
Kansei Engineering and Soft Computing: Theory and Practice



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With the increasing concern regarding human factors in system development, the concepts of humanized technology and human-related systems have become the focus of more and more research.

Kansei Engineering and Soft Computing: Theory and Practice offers readers a comprehensive review of kansei engineering, soft computing techniques, and the fusion of these two fields from a variety of viewpoints. It explores traditional technologies, as well as solutions to real-world problems through the concept of kansei and the effective utilization of soft computing techniques. This publication is an essential read for professionals, researchers, and students in the field of kansei information processing and soft computing providing both theoretical and practical viewpoints of research in humanized technology.

Topics Covered:

- Soft Computing
- Particle Swarm Optimizer
- High-dimensional Data Clustering
- Text Mining
- DNA Computing
- Fuzzy Logic
- Kansei
- Physiological Measurement
- Humanoids
- Semantic Detection

Market: This premier publication is essential for all academic and research library reference collections. It is a crucial tool for academicians, researchers, and practitioners and is ideal for classroom use.

Ying Dai received her B.S. and M.S. degrees from Xian Jiaotong University, China in 1985 and 1988, respectively. After some years working in the same university, she attended Department of Information Engineering, Shinshu University, Japan in 1992. She had a Dr. Eng degree from Shinshu University in 1996. She was granted JSPS Research Fellowships for Young Scientists from 1995 to 1997. She joined the Iwate Pref. University in 1998. She has been an associate professor in the Faculty of Software and Information Science, Iwate Pref. University since 2002. Her main research interests are in the area of Pattern Recognition, Image Understanding, Kansei Information Processing, and Soft Computing Techniques. She is the member of IEEE, IEICE (the Institute of Electronics, Information and Communication Engineers), and JSKE (Japan Society of Kansei Engineering).

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