Contents

Retrieving Human Actions Using Spatio-Temporal Features and Relevance Feedback 1
Rui Jin and Ling Shao

Computationally Efficient Clustering of Audio-Visual Meeting Data . . . 25
Hayley Hung, Gerald Friedland, and Chuohao Yeo

Cognitive-Aware Modality Allocation in Intelligent Multimodal Information Presentation 61
Yujia Cao, Mariët Theune, and Anton Nijholt

Natural Human–Computer Interaction 85
Gianpaolo D'Amico, Alberto Del Bimbo, Fabrizio Dini, Lea Landucci, and Nicola Torpei

Gesture Control for Consumer Electronics 107
Caifeng Shan

Empirical Study of a Complete System for Real-Time Face Pose Estimation 129
Tommaso Gritti

Evolution-based Virtual Content Insertion with Visually Virtual Interactions in Videos 163
Chia-Hu Chang and Ja-Ling Wu

Physical Activity Recognition with Mobile Phones: Challenges, Methods, and Applications 185
Jun Yang, Hong Lu, Zhigang Liu, and Péter Pál Boda

Gestures in an Intelligent User Interface 215
Wim Fikkert, Paul van der Vet, and Anton Nijholt

Video Summary Quality Evaluation Based on 4C Assessment and User Interaction 243
Tongwei Ren, Yan Liu, and Gangshan Wu

Multimedia Experience on Web-Connected CE Devices 271
Dan Tretter, Jerry Liu, Xuemei Zhang, Yuli Gao, Brian Atkins, Hui Chao, Jun Xiao, Peng Wu, and Qian Lin

Index 301

http://www.springer.com/978-1-84996-506-4

Multimedia Interaction and Intelligent User Interfaces
Principles, Methods and Applications
Shao, L.; Shan, C.; Luo, J.; Etoh, M. (Eds.)
2010, X, 302 p., Hardcover
ISBN: 978-1-84996-506-4