



Special Issue on Kansei Informatics



Editorial Preface	Jinhui CHAO	911
1. Kansei Informatics Fundamentals		
1-1 What is Kansei ? : Origin of Kansei and Its Framework	Hisao SHIIZUKA and Akira HARADA	912
1-2 Computational Modeling of Kansei from Robotics Aspect	Toshikazu KATO	915
1-3 Mathematical Approach to Kansei	Takio KURITA, Takumi KOBAYASHI, and Nobuyuki OTSU	917
1-4 Statistical Approach for Kansei Engineering : Methods for Large and Small Sample Sizes	Hidetoshi MURAKAMI, Toshinari KAMAKURA, and Takakazu SUGIYAMA	920
1-5 Cognitive Scientific Approach to Kansei	Takatsune KUMADA	923
1-6 Approaches to the Study of Kansei from Brain Science	Setsuji HISANO	926
2. Kansei Measurement		
2-1 Application of Biometry to Studies of Kansei Evaluation	Miyoshi AYAMA and Shinya SAIDA	929
2-2 How to Measure the Psychological Data Related to Kansei	Miyuki KAMACHI	932
2-3 Measuring Drivers' Behavior and Skill	Masahiro TADA	935
2-4 Measurement of Kansei for Planning of Residential Environment	Youko INOUE	937
3. Kansei Information Processing		
3-1 Kansei Information Processing and Its Applications on Visual Perception and Image Contents	Mie SATO, Miyoshi AYAMA, Masao KASUGA, Sumei GUO, and Hisashi OGURO	940
3-2 Information Processing in Terms of Musical Sensitivity	Akira TAKAOKA	943
3-3 Kansei in Haptics	Hiroo IWATA	946
3-4 Development of Kansei Biomimetic Sensors Based on Biological Information Processing of Taste and Smell	Kiyoshi TOKO	949
3-5 Kansei Information Processing for the Sense of Time : Toward Enriching Human Communications	Takashi MATSUYAMA, Hiroaki KAWASHIMA, and Takatsugu HIRAYAMA	952
4. Kansei Database and Information Retrieval		
4-1 Image Retrieval Based on Kansei Information Processing	Toshikazu KATO	955
4-2 Music Information Processing and Its Applications to Kansei	Masatoshi HAMANAKA	958
4-3 Kansei Information Retrieval for Sounds and Movies from Web Repository	Ryuichi OKA, Yuichi YAGUCHI, Takashi KAWAI, and Marie OSHIMA	961
4-4 User Preference Based Data Mapping for Design Information Retrieval	Toshimasa YAMANAKA	964
5. Kansei Communication		
5-1 Consensus Building and Kansei in Communications	Toshio KUWAKO	967
5-2 Ultra-realistic Communications	Kazumasa ENAMI and Hiroshi ANDO	970
5-3 Kansei Interaction Using Ubiquitous Environment	Akihiro OGINO and Hirotsada UEDA	973
6. Industrial Applications of Kansei Informatics		
6-1 Product Evaluation and Kansei	Katsuo INOUE	976
6-2 Interactive Systems and Kansei : Creation of Wakuwaku Feeling	Hironao TAKEDA and Michiko OHKURA	979
6-3 Bestowing Kansei to Robots: Aiming at Human Friendly Robots	Ken TOMIYAMA, Minoru HASHIMOTO, Shuji HASHIMOTO, and Takanori SHIBATA	982
6-4 Kansei for Architecture and Space Design	Tatsuya SHIBATA and Kazutoshi TSUTSUMI	985
6-5 Kansei Engineering in Automobile Industry	Tetuo YANASE	988
6-6 Kansei Applications to Service Industries	Koichi KANEKO, Yoshiki ITO, Hiroshi NUNOKAWA, and Tsuyoshi OTANI	991
6-7 Kansei and Value Creation	Yuji KOSAKA, Hiroko SHOJI, and Hisao SHIIZUKA	994
6-8 Music Therapy and Kansei	Kazuhiro YAMAWAKI, Chikako NEZU, and Hisao SHIIZUKA	996

News Analysis

High Power and Wide Band CMOS Power Amplifiers for Millimeter Wave High Speed Wireless Communication and Automotive Radar Systems	998
---	-----