## **IIEEJ Transactions on**

# **Image Electronics and Visual Computing**

### Vol.2 No.1 June 2014

#### **CONTENTS**

11	A Survey on Recent Development in Global Illumination Techniques	Tomoyuki NISHITA, Hisanari OTSU
Special Section		
Special Issue on Image Electronics and Visual Computing Workshop 2012 (IEVC2012) Part II		
	Prefatory Note	
25	Upon the Special Issue of IEVC2012 Part II	Kiyoshi TANAKA
	Contributed Papers	
26	Modified High-Order Edge-Directed Interpolation for Distributed Video Coding Based on Selective Data Pruning	Vu LEHA, Kazuma SHINODA, Madoka HASEGAWA, Yuichi TANAKA, Shigeo KATO
37	Effective Color Transform Method for Image Compression of H&E Stained Whole Slide Image Using Subset Pixels	Naoki KOBAYASHI, Kazuma SHINODA, Ayako KATOH, Hideki KOMAGATA, Masahiro YAMAGUCHI, Tokiya ABE, Akinori HASHIGUCHI, Michiie SAKAMOTO
48	On Some Improvement of the Waterfall Screen for the Stable Projection of Holographic Images	Kunihiko TAKANO, Keisuke MIYAMA, Kazuo HAMANO, Kazuki MOTOJIMA, Koki SATO, Makoto OHKI, Kikuo ASAI
59	Practical CG-Based Video Materials for Tai Chi Chuan Self-Study	Satoshi NAKAJIMA, Mikio SHINYA, Michio SHIRAISHI,

**Short Papers** 

**Keynote Papers** 

Application of Image Analysis by Geometric Moments

6 Multi-Perspective Rendering of a Real Object Using a Handheld Camera

An Interactive Simulation System to Synthesize Rope Rolling Patterns

in a Virtual Space for Archaeologists' Research on Jomon Ware

An Ellipsoid Shape Representation Approach for 3D Object Recognition

Masashi BABA, Shohei TATSUNO, Shinsaku HIURA, Naoki ASADA

Shinji MIZUNO, Kengo TAKAI, Makoto UEDA,

Hidetsugu KATSURAGAWA, Motonobu KAWASHIMA,

Kunio KONDO

Ryuji TAKAKI

Raveendran PARAMESRAN, Ahlad KUMAR

Asma KHATUN, Md. Rabiul ISLAM, Yin Chai WANG, DNF Awang ISKANDAR, Kiyoshi TANAKA

# **Regular Section**

#### **Contributed Paper**

91 Asian Face Classification Based on Personal Attractive Preference Using Class-Specific Eigenfaces Reconstruction Method MinZhi CHUA, Youhei AKIMOTO, Hernan AGUIRRE, Kiyoshi TANAKA

#### **Announcements**

- 104 Call for Papers: Special Issue on Big Data and its Related Technologies in Image Electronics and Communication
- 105 Call for Participation: The 4th IIEEJ International Workshop on Image Electronics and Visual Computing, Oct. 7-10, 2014, Koh Samui, Thailand

## **Guide for Authors**

106 Guidance for Paper Submission