

Table of Contents

Increasing in sense of Immersion in Interactive Media Artworks	1
<i>ChangYong Jung, Woncheol Lee, Hyunggi Kim</i>	
Making and research of art work ‘FUG’ which expands the concept of life.....	6
<i>Dongjo Kim and Hyunggi Kim</i>	
Accelerating Computer-Generated Hologram Computations for Digital Holographic Video Systems	10
<i>Hyun Jun Choi, Dong Kwan Kim</i>	
A Method for Measurement of Distances using License Plate Detection	13
<i>Yangwon Lim Hankyu Lim</i>	
Dynamic Wavelength and Bandwidth Allocation for Power Saving in TWDM PON	17
<i>Man Soo Han</i>	
Performance Image implementation using audience’s motions	21
<i>Dohee Kim, Haehyun Jung and Hyunggi Kim</i>	
A Research on the Mobile Usability for the Emotional Values of the New Silver Generation.....	25
<i>WonWhoi Huh</i>	
Real-time Interactive Media Art Implementation with DJING + VJING	29
<i>Haehyun Jung, Hyunggi Kim</i>	
Study on real-time active particle based on Kinect principle	33
<i>Jiyoung Hong, Haehyun Jung, and Hyunggi Kim</i>	
A Neural Network Algorithm for Extracting Bilingual Lexica	37
<i>Hongseok Kwon, Hyeongwon Seo and Jaehoon Kim</i>	
A Digital Contents Integrated Viewer System using Multi-DRM Authentication Technique.....	41
<i>Seong-Jin Kim, Kyoung-Hee Moon, Kwang-Man Ko</i>	
Efficient Duplicate Name Prefix Detection Mechanism in Content-Centric Network.....	45
<i>Juyong Lee, Jihoon Lee</i>	
Pipelined Dynamic Bandwidth Allocation for Power Saving in XG-PON	49
<i>Man Soo Han</i>	

Priority-based traffic control mechanism in wireless multimedia sensor network	53
<i>Si-Young Bae, Kyeong-Wook Park, Sung-Keun Lee, Jin-Gwang Koh</i>	
An Enhanced LPI Control Mechanism for Ethernet Access Networks	57
<i>Young-Hyun Kim, Sung-Keun Lee, Jin-Gwang Koh</i>	
Real-time tasks allocation for heterogeneous network platform	61
<i>Zhang Weizhe , Xuehui Wang</i>	
Design and Implementation of Casino Slot Machine Accounting Protocol Engine	65
<i>Sangmin Kim and Heejune Ahn</i>	
Interface Design of Game Content for Children Using Motion Cognition Technology	69
<i>Hyun Yi Jung, Hyunggi Kim</i>	
On Study of the Projection Mapping In Media Arts.....	73
<i>Hyeyoung Yoo, Hyunggi Kim</i>	
Adaptive Contents Management Framework and Cloud Authoring Server Based on Dynamic User-Context	77
<i>Jaewon Moon, Tae-Beom Lim, Seungwoo Kum, Jongjin Jeong, Dong-Hee Shin</i>	
One-handed Thumb Text-message through different Vertical position of Touchscreen QWERTY keyboard	83
<i>Calvin Jeongheon Lee, Hye Jin Kum, Hyoung-taek Lim, Frank Biocca</i>	
Analysis of Cerebral Activation in Users Induced by Visual Stimulus Variation.....	87
<i>Byung-rak Son, Joo-Gon Kim and Jeong-Hoon Shin</i>	
Connections between Music and Spatial Behaviors: Focusing on Embodied Cognitive Perspectives	91
<i>Wooyong Yi, Dongnyeok Jeong, Jun-dong Cho</i>	
Constructing Bilingual Multiword Lexicons for a Resource-Poor Language Pair.....	95
<i>Hyeong-Won Seo, Hong-Seok Kwon, Jae-Hoon Kim</i>	
OLAPing and Mining Big Data: Large-Scale, Long-Running, Serendipitous Computations within Next-Generation Clouds	100
<i>Alfredo Cuzzocrea</i>	

A Study about Emotional Digital Art using Hypersonic Effect	109
<i>Ok-Hue Cho, Moi-Han Shim and Won-Hyung Lee</i>	
A Study about Development of Hypersonic Wave Sound based on the Sound of the Waves.....	114
<i>Han-Moi Shim, Ok-Hue Cho, Jang-Suck Woo, Choi Hyun and Won-Hyung Lee</i>	