Table of Contents

A Study on Strategic Modeling to Develop Comics Content with Smart Device Platform 1

Seung-jin Lee

CRM Fit and Relationship Quality in Hotel Industry 11

Jounghae Bang and Min Sun Kim

Activity Recognition In Smart Home Using Weighted Dempster-Shafer Theory 23

Elham Javadi, Behzad Moshiri and Hadi Sadoghi Yazdi

Meta-Analysis on Relations between E-Learning Research Trends and Effectiveness of Learning 35

Jeong-Kyoum Kim and Deuk-Joon Kim

Structural Relationship among Affective Characteristics, Cognitive Characteristics, Students' Participation, and Course-retaking Intention in E-learning Environment 49

Dae-sik Kang and Jeong-kyoum Kim

Study on Communication of Characteristics Smart Learning from UX Perspective 59

Jung-Ae Lee, Tae-Hyung Kim and Jean-Hun Chung

PC & ARM-based Design of Remote Control System for Intelligent Home 73

Lan Xiaowen

Smart Learning System using Contents Adaption Method 81

Youngseok Lee and Jungwon Cho

Implementation of Privacy Policy-based Protection System in BEMS based Smart Grid Service 91

Namje Park

Kindergarten Teachers' Understanding on Multimedia Application 101

Man-Su Lee

Research on Regression Testing Methods for Industry Applications 111

Lan Xiaowen

A Study on Smart Phone Use Condition of Infants and Toddlers 123

Yu-Mi Baek, Jeong-Min Lee and Kyu -Soo Kim

Incremental Weighted Mining based on RFM Analysis for Recommending Prediction in u-Commerce 133

Young Sung Cho, Song Chul Moon, In-Bae Oh, Jung-Hoon Shin and Keun Ho Ryu

Design Study of the U-city Home Network Architecture of Cloud Computing 145

Dai hwan.Lim and Byung Ho.Rhee

An Indoor Hybrid Localization Approach Based on Signal Propagation Model and Fingerprinting 157

Junhuai Li, Bo Zhang, Hailing Liu, Lei Yu and Zhixiao Wang

Product Line Pricing Effect Modeling for Shipment Timing Support System for Stored Apple 171

Youngsik Kwak, Yoonjung Nam, Yoonsik Kwak and Young-Hun Lee

Programmable RF Built-In Self-Test Circuit for 5GHz Wireless LAN 181

Woo-Chang Choi, Jee-Youl Ryu and Sookyoung Joung

Average Error Rate Expressions for DF relay Networks with CE Error for PSA-CE schemes Over Rayleigh Fading Channels 191

Chungha Bong, Wonehee Jo and Kyunbyoung Ko

Design and Implementation of Security Systems for Smart Home based on GSM technology 201

Jayashri Bangali and Arvind Shaligram

Location Control Techniques of Object via Mapping Gesture on Touch Screen to 3-Dimensional Coordinates 209

Bongen Gu and Yoonsik Kwak

Synchronizing Adaptive LPI Control Mechanism for Improving Energy Efficiency in Ethernet Switch 217

Young-Hyun Kim, Sung-Keun Lee and Jin-Gwang Koh

Security Measures of Personal Information of Smart Home PC 227

Mi-Sook Seo and Dea-Woo Park

Activity Recognition in Smart Homes Based on Second-Order Hidden Markov Model 237

Chunguang Zhang and Lifang Zhang

Quality Measurement for Mobile M-ERP Applications 245

Haeng-Kon Kim

The Design of an Automatically Generated System for CrossSections of Underground Utilities using Augmented Reality255

Jang-Mi Baek and In-Sik Hong

A Novel Model for Home Media Streaming Service in Cloud Computing Environment 265

Yun Cui, Myoungjin Kim and Hanku Lee

State of the Art: Embedded Middleware Platform for A Smart Home 275

Ehsan Ullah Warriach

Implementation of a Smart VOD System Prototype295

Changyong Han and Jaegeol Yim

Design and Implementation of Android-based Livestock Disease Forecasting System using Thermal Image 305

Seongjin Kim, Haengkon Kim, Hoon Ko and Hyun Yoe

Cloud Computing based Livestock Monitoring and Disease Forecasting System 313

Seokkyun Jeong, Hoseok Jeong, Haengkon Kim and Hyun Yoe

The Design and Solution of Students' Entrepreneurial PracticeAbility Training Cloud platform321

Yongyong Zhu

Design and Implementation of Reliable Content Transaction System in Smartphone Environment 333

Seng-Phil Hong, Sungmin Kang and Jaejung Kim

Study on Motion Recognition Scheme Using Acceleration Sensor in Mobile Devices 343

Younghoon Kim, Sangyub Kim, Dongmin Kang, Hwangsoo Park, Nammoon Kim, Sung Hyun Yang and Youngok Kim

Discriminating Event Information for Calculation of Basic Probability Assignment 351

Donghyok Suh and Juhye Yook

Research on No-Contact Hydraulic Dynamic Seal Characteristic based on CFD 359

Gu Jun-tao and Zhang Yong-de

An XML Based Communication System for a Ubiquitous Game Simulator 367

KeeHyun Park

A Framework and its Associated Process-Oriented Domain Specific Language for Managing Smart Residential Environments 377

Abdaladhem Albreshne, Ayoub Ait Lahcen and Jacques Pasquier

A Prototype Home-Based Environmental Monitoring System 393

Michael Cook, Trina Myers and Jarrod Trevathan

Service-Oriented Layered Architecture for Smart Home 409

Muhammad Waqar Aziz