## Table of Contents

**IT Convergence -based Research**

Performance Evaluation of AODV Using Fuzzy Logic to Reduce Congestion in MANET  
Vikas Thakur, Laxmi Shrivastava, Sarita S.Bhadauria  
1

A Study on the Conceptual Model for Service–Oriented Architecture based on Common Services  
Baek-min Seong, Min-gyu Lee, Hyo-jung Sohn, Jong-Bae Kim  
11

Impact of Antenna model with the variation of speed for Reactive and Hybrid routing protocols in Mobile Ad–Hoc Networks  
Neelam Singh, Laxmi Shrivastava  
19

Mobile computing environment based recovery techniques using the FISLD technique  
Seong-Soo Han  
29

Stego for Secure Communication  
Shantala C.P, K.V. Vishwanatha  
37

A Study on Development of Improvement Guidelines of Smart Accessibility for the Disabled  
Woochun Jun  
47

Survey and Analysis of Chaotic Image Encryption Schemes  
Amitesh Singh Rajput, Vivek Sharma  
69

SVD–based Image Enhancement Method using Weighted Average of Histogram Stretching and Equalization  
Donghyung Kim  
77

Implementation Of 802.15.4 Wireless Sensor Network in Real–time Monitoring and Control System for Green House  
87
Environmental Feature Extraction Method in Terms of Emotion ........................................ 107
Jiwon Im, Min Woo Park, Mincheol Whang, Eui Chul Lee

A Survey Paper on Information Hiding on WebPages ...................................................... 117
Chaitali Patel, Nimisha Patel

Mining Social Media Data For Understanding Students Learning Experience .................... 129
Rajeshwar Singh, Mudassir Shaikh, Sharad Chauhan

(This paper was removed because of plagiarism)
A Study on the Business Strategies based on Big Data Analysis ........................................ 145
Young-mo Kang, Keun-heui Kim, Mi-Ran Han, Jong-Bae Kim

Culture Content-based Research

A Study about marketing strategies and tour motivation of Chinese tourists who visit korea ........................................................................................................................................ 153
Kyung-Jae Yoon

A Study on Mediterranean Tourism Impact Analysis by Specific Events using Photo Sharing Website ................................................................................................................................. 167
Dong-Yul Lee, Ji-Hoon Kang, Sang-Ho Moon

Healthcare-based Research

Compliance of screening implementation-related factors and after treatment of cervical precancerous lesions ................................................................................................................................. 177
Eui-Boon Kim, Ju-Young Ha, Ji-Eun Jung, Young-Seuk Cho

Effects of Simulation based Practice Education on Critical Thinking, Clinical Judgment, and Learning Achievement of Nursing Students ................................................................................................................................. 187
Hye-Kyung Oh

Factors Influencing on Health Practice After Ruptured Intracranial Aneurysm Surgery ........ 195
Seong-Ran Lee

Prediction Model for Intention of Mental Health Promotion Program among Korean Elderly Persons Using CART Algorithm ................................................................................................................................. 203
Haewon Byeon Sung-Hyoun Cho
Predictors of Health-related Quality of Life in Diabetic mellitus Korean adult: Based on the 2013 Korea National Health and Nutrition Examination Survey

Eun Sil Jang

The Relationship of Menstrual Distress and Coping Method to Relieve the Symptoms of Women in Early Adulthood

Nayoung Choi

**Welfare-based Research**

Study of Job Stress news agency reporter about the relationship between coping strategies and the impact on physical symptoms

Sang-Young Park, Sung-Je Cho

Researching on the Potential Direction and Tasks of Vocational Training for North Koreans based on Social Unification and Self-Reliance Perspectives

So-Young Kim, Young-Mim Lee

Analysis and Development of Competency Model of Cooperative Workers

Mi-Ran Bong, Young-Min Lee

Characteristics of Farmers’ Injuries in Jeju

Jeong Ho Kang, Jihwan Bu, Woo Jeong Kim

The Solution for Marriage Migrant’s Rapid Marriage: Fortified Judging Standards for Visa Issuance and Main Issues

MyungHee Kim

A Study on the Validation of Multicultural Efficacy Measure

So Yun Choi, Sang Chul Lee

**Education-based Research**

The Influence of Work Stress on The Mental State and Job Satisfaction of Childcare Teachers-Centered Around Day Care Center Teachers

Jeong-Mi Kim

Satisfaction with Major Field by the Department of Employment Relationship of College
Students ........................................................................................................ 317  
Sun-ju Jang, Mi-hyun Kang, Hye-Jin Kim

Community support of early childhood teachers and teacher efficacy Impact on happiness (Focused on Gyeongsangnam-do Ulsan City) ......................................................... 329  
Deon-sun Choi, Sung-je Cho

A Study on Temperament, Basic Lifestyle Habits, and Negative Psychological Factors of Mother with Infants ........................................................................................................ 341  
Se-Jin Eom

The Design Research of Awareness Information Using Learning Analytics in Computer-Supported Collaborative Learning ........................................................................................................ 351  
Sukjin Kwon

Development of a Language Learners’ Reading Fluency Test with regard to Pre/Post Test Design ................................................................................................................................. 361  
A Young Park

**Business-based Research**

Outside directors of board and agency problems ........................................................................................................ 371  
Jaisik Gong

Ethnographic Interview on Executive’s Strategic Intuition ........................................................................................................ 381  
Chanh-Ho Kim

Development of Application Framework for Cultivating the Traditional Market in ChangWon City ................................................................................................................................. 391  
Jong-Yi Hong

A Study on Internal Reserves Practical Use of a Profit-Making Corporation ................................................................................................................................. 399  
Rack-In Choi

Developing Local Cultural Resources in Gwanin-myeon, Pocheon City Utilizing the Concept of Slow City ................................................................................................................................. 409  
Jin-Young Kim, Young-jun Lee

**Safety and Security-based Research**

Combined Password Authentication Scheme Resistant to Shoulder Surfing Attacks ................................................................................................................................. 419  
Dongmin Choi, Ilyong Chung
Awareness on Transportation of Paramedics in Jeju ..................................................... 429
Jihwan Bu, Jeong Ho Kang, Woo Jeong Kim

A Study of Security Requirements for CBC–based Logical Network Partition ......................... 439
Hyun-Jun Lee, Dae-II Cho, Kab-Seung Kou

A Case Study into NYPD’s Burglary Crime Prevention Checklists ........................................... 449
Hakkyong Kim

Electronics and Material-based Research
A Study on Performance Evaluation of Light Shelf according to the Reflectivity of Interior Space ................................................................................................................................................. 461
Gangmin Jeon, Heangwoo Lee, Yongseong Kim

Development of Virtual Ambient Weather Measurement System for the Smart Greenhouse ......................................................................................................................... 471
Sae-Ron Han, Jae-Su Lee, Young-Ki Hong, Gook-Hwan Kim, Sung-Ki Kim, Sang-Cheol Kim

A Precision Calibration Technique for Integrated–Circuit Bridge Circuits with Voltage Controlled Resistors ...................................................................................................................... 481
Wonyong Choi, Sungjin Kim, Kangin Heo, Gyu Moon

An Durability Study due to the Model of Vehicle Monocoque Body Frame ................................ 489
Jung-Ho Lee, Jae-Ung Cho

Architecture and Civil Engineering-based Research
Applicability Evaluation of Earth Volume Calculation using Unamnned Aerial Images .......... 497
Hyoung-Kyu Lee, Kap-Yong Jung

Analysis of Characteristics of Ortho Image by Type of Terrain Model using Unmanned Aerial Vehicle .......................................................................................................................... 505
Young Jin Park, Min Gyu Kim