

# **The 4<sup>th</sup> International Conference on Digital Policy & Management 2017**

**Vol.4 No.1**

- **Date : January 11 - 14, 2017**
- **Place : Muong Thanh Grand Hotel, Da nang, Vietnam**
- **Co-organized by :**

The Society of Digital Policy & Management  
Institute for International Commerce Research. Australia  
The Korea Convergence Society  
The Korea Association of Software Manpower  
The National Academic Federation of Smart & ICT Convergence

- **Sponsored by :**

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Prof. Il Myeong Kim (Kwangju women's University, Korea)

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# Welcoming Speech

Dear distinguished guests and honorable members,

I would like to thank all of you for taking your valuable time to attend at the 4nd International Conference on Digital Policy & Management. Especially, I would like to thank all the organizers of the conference for making this international conference a grand success.

This is a meeting place for presenting and debating about the academic research and results. It is co-directed by the Korea Convergence Society, Institute for International Commerce Research in Australia, The Korea Association of Software Manpower, and The National Academic Federation of Smart & ICT Convergence, with the theme of “Digital Convergence Policy in the Era of the 4<sup>th</sup> Industrial Revolution.” This conference focuses on the convergence of various industries and digital technology for the Fourth Industrial Revolution. Therefore, we will present and discuss the technical background and industrial convergence required for the Fourth Industrial Revolution within the various workshops.

With active debate and discussion, resounding presentations, and innovative convergence policy alternatives, I hope this conference will be decisive to confirm the technological infrastructure of the Fourth Industrial Revolution. I also hope that this meeting will contribute to the relationships of converging academics, businesses, and research institutes. Once again, I appreciate all the members for their endeavoring and endless support to make this event successful. I hope that you enjoy the event. I sincerely wish you the best luck in your health and future.

Thank you.

Kyoo Sung Noh, President  
The Society of Digital Policy & Management

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# Welcome to ICDPM 2017

On behalf of the Program Committee, I am pleased to welcome you all to Da Nang, Vietnam for the 4<sup>th</sup> ICDPM. ICDPM has been taking place for the last 4 years and has proven to be a great forum for exchanging every aspect of academic ideas and building international fellowship.

Although academic achievements are not always obtained through international academic conference, the scientific interaction will be more productive if it is based on true friendship and mutual respect. Therefore, one of the goal of this meeting is to foster friendship, not only through science, but also through the social activities. In that sense, I think Da Nang is the most appropriate place for us to be able to make such exchanges.

I hope that this meeting will be remembered as an academic conference that has become a solid stepping stone for your success. For this reason, I and the committee will try to do their best to support everyone at the moment that this event is over. I also sincerely hope this meeting will continue and will provide further opportunities to rejoin the following year.

Finally, I would like to thank everyone who participated in this event and all those who have prepared the conference.

I wish you a happy and blessed New Year though it is a late greeting.

Thank you.

Il-Young Cho  
Program Chair of ICDPM 2017

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# Welcoming Speech

As a General Co-Chair of the International Conference on Digital Policy & Management 2017, it is my great honor to welcome you and wish you both, professional success at the conference, and a great time in the beautiful DaNang, Vietnam.

In the new global economy, where information technologies and services will be pervasive and touching all aspects of our life and economy, many challenges and opportunities for innovative applied research will need to be developed. I am confident that this conference will address the research challenges brought by the convergence of many different technologies and will provide a great forum for convergence researchers and practitioners to present their results, exchange new ideas, and find new directions in applied research.

I would like to thank an international team of reviewers, who did a superb job in reviewing and selecting high-quality papers, which will be presented at the conference.

On behalf of the organization committees, we extend our invitation to our colleagues to join us in developing and presenting the latest and greatest convergence technologies at ICDPM conferences.

Thanks you.

Prof. Ramjee Prasad  
Aarhus University, Denmark

# Program for the 4<sup>th</sup> ICDPM 2017

• Wednesday January 11, 2017		
Time	Content	
12:30~13:00	Registration(Lobby)	
Oral Presentation		
	Conference Room 1(MY KHE)	Conference Room 2(SON TRA)
13:00~14:00	Session 1-A	Session 2-A
14:00~14:10	Coffee Break	
14:10~15:10	Session 1-B	Session 2-B
15:10~15:20	Coffee Break	
15:20~16:20	Session 1-C	Session 2-C
16:20~16:30	Coffee Break	
16:30~17:30	Session 1-D	Session 2-D
17:30~20:00	<b>Welcome Ceremony</b> Seminar 1 Research ethics and fraud prevention seminars (IRB) Speaker - Kwang-Hwan Kim(Konyang Univ.)	

• Thursday January 12, 2017

Time	Content		
08:30~09:00	Registration(Lobby)		
Oral Presentation			
	Conference Room 1(MY KHE)	Conference Room 2(SON TRA)	Poster Hallway
09:00~10:20	Session 1-A	Session 2-A	Session 3-A
10:20~10:40	Coffee Break		
10:40~11:50	Session 1-B	Session 2-B	
11:50~12:50	Lunch Time		
12:50~14:00	Session 1-C	Session 2-C	Session 3-B
14:00~14:10	Coffee Break		
14:10~15:30	Session 1-D	Session 2-D	
15:30~15:40	Coffee Break		Coffee Break
15:40~16:30	Session 1-E		Session 3-C
16:40~17:20	Topic Presentation Imperceptive affects of AI Technique to our Life Speaker - HeuiSeok Lim(Korea Univ.)		
17:30~20:00	Banquet and Plenary Session(TUY LOAN)		

• Friday January 13, 2017

Time	Content	
08:30~09:00	Registration(Lobby)	
Oral Presentation		
	Conference Room 1(MY KHE)	Conference Room 2(SON TRA)
09:00~10:20	Session 1-A	Session 2-A
10:20~10:30	Coffee Break	
10:30~11:50	Session 1-B	Session 2-B
11:50~13:00	Lunch Time	
13:00~14:20	Session 1-C	Session 2-C
14:20~14:30	Coffee Break	
14:30~15:50	Session 1-D	Session 2-D
16:00~18:00	Banquet and Plenary Session	

• Saturday January 14, 2017

Time	Content	
08:30~09:00	Registration(Lobby)	
Oral Presentation		
	Conference Room 1(MY KHE)	Conference Room 2(SON TRA)
09:00~10:20	Session 1-A	Session 2-A
10:20~10:40	Coffee Break	
10:40~12:00	Session 1-B	Session 2-B
12:00~13:00	Closing Ceremony	

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# Oral Presentation

**Wednesday January 11, 2017**

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01. W-09\_01\_A Case Study on an Occupational Activity Program Conducted on the Residents of Temporary Dwellings in Watarijjo after the Great East Japan Earthquake and Tsunami and the Restoration of Roles /  
Min-Sook Kim(HOPE worldwide Japan, Japna), So-Yeon Park(Hanseu Univ., Korea), Won-Mee Jeong(Dong-nam Health Univ., Korea), Soo-Hyun Park(Yeju Institute of Technology, Korea), Kyoung-Young Park(Jungwon Univ., Korea)
02. W-09\_02\_The Correlation of the Physical Function and Quality of Life of Female Farmers in Korea /  
So-Yeon Park(Hanseu Univ., Korea), Jin-Kyung Kim(Hanseu Univ., Korea)
03. W-09\_03\_Effects of Farm Work Safety Project /  
Byung-Chang Son(Korea Nazarene Univ., Korea), So-Yeon Park(Hanseu Univ., Korea)
04. W-09\_04\_Palmar Arch of the Hand During Feeding Tasks /  
Kyoung-Hee Park(Masan Univ., Korea), Kyoung-Young Park(Jungwon Univ., Korea)
05. W-09\_06\_Culture and awareness about safety for marine sport instructor /  
Shin Jin-Chul(Hanseu Univ., Korea), Yang Chun-Ho(Hanseu Univ., Korea)
06. W-09\_07\_Sport Ethics Observation in Pro Taekwondo League /  
Do jea-Hyun(Hanseu Univ., Korea), Lim Jing-Sik(Kunsan Univ., Korea), Yang, Chun-Ho(Hanseu Univ., Korea)
07. W-09\_08\_Relationship between marine safety awareness and mind of marine sport instructors who experienced marine sport safety education /  
Myung-Hyo Kang(Hanseu Univ., Korea), Jong-Sik Lim(Kunsan Univ., Korea), Chun-Ho Yang(Hanseu Univ., Korea)
08. W-09\_09\_The Effects of Overweight and Low Back Pain Patient by McKenzie and William Exercise /  
A-Rum Lee(Hanseu Univ., Korea), .Joo-Hyun Ham(Hanseu Univ., Korea), Chun-Ho Yang(Hanseu Univ., Korea)
09. W-09\_10\_The Study of the Empowerment of Marine Sport Instructor and Safety Awareness of Trainee /  
Myung-Hyo Kang(Hanseu Univ., Korea), Young-Hee Han(Namseoul Univ., Korea), Chun-Ho Yang(Hanseu Univ., Korea)

01. DMS\_03\_The Effect of dual task program to reduce the risk of dementia in older adults/  
Su-hyun park(Yeju Institute of Technology, Korea), Si-Nae Ahn(Hyejeon College, Korea)
02. DC\_01\_Effect of Gym Ball Exercise on Primary Dysmenorrhea and Pulse Wave Velocity of Leg in Female College Students/  
Sun-Ho Kim(Nambu Univ., Korea), Young-Bok Yoon(Chonnam Techno Univ., Korea)
03. DC\_07\_Research on Digital Culture Society and Digital Literacy Education/  
Jungin Kwon(Sungkyunkwan Univ., Korea), Seongjin Ahn(Sungkyunkwan Univ., Korea)
04. W-04-01\_Fuzzy-based System Design for Mobile Game Recommendation/  
Jae-Taek Oh(Kongju Nat'l Univ., Korea), Sang-Yong Lee(Kongju Nat'l Univ., Korea)
05. W-19-03\_Factors Influencing BMI in the Elderly/  
Young-Hee Kim(Daejeon institute of science and technology, Korea), Myoung-Jin Kwon(Daejeon Univ., Korea)
06. W-19-04\_Impulsivity and Parent-Adolescent Communication Affect Smartphone Addiction Among College Students/  
Jeong-Yeon Kim(Daejeon Health Institute of Technology, Korea)
07. W-19-05\_Caregiving satisfaction in dementia care: a concept analysis/  
Hyeun-Joo Oh(Chungnam Nat'l Univ., Korea)

01. W-09\_11\_Relationship among Social Support, Career Preparation Behavior and Career Exploration Behaviors perceived by University Taekwondo Athletes/  
Soo-Kyum Kim(Hansin Univ., Korea), Kyung-Hoon Min(Hansin Univ., Korea), Chun-Ho Yang(Hanseο Univ., Korea)
02. W-09\_13\_Study on Changes of Self-regulated Alpha Brain Wave During the Postural Movement into the HCI Standard Posture/  
Jae-Yong Lee(Hanseο Univ., Korea), Cheong-Hwan Lim(Hanseο Univ., Korea)
03. W-09\_16\_Performance Evaluation Comparison Analysis According to Grid Ratio/  
Sung-Hun Jeoung(Hanseο Univ., Korea), Cheong-Hwan Lim(Hanseο Univ., Korea), Hong-Ryang Jung(Hanseο Univ., Korea)
04. W-09\_17\_Effect of Water Depth Through Water Walk Exercise on Strength of Trunk Muscle and EMG of Erector Spinae and External Oblique/  
Kim Ki-Hong(Dankook Univ., Korea), Kim Byung-Kwan(Dankook Univ., Korea), Ko Sung-Sik(Korea Nat'l Univ. of Transportation, Korea), Yang Chun-Ho(Hanseο Univ., Korea)
05. W-09\_18\_Validation of the Brand Equity Scale for Camping Equipment/  
Jeong Tchaе-Won(Konkuk Univ., Korea), Lee Jun-Woo(Hanseο Univ., Korea), Yang Chun-Ho(Hanseο Univ., Korea)
06. W-09\_19\_Analysis of Lung Volume and Dose of Left Breast Cancer Radiation Therapy According to Using Cardiac Shielding Block/  
Hee-Seok Lee(Hanseο Univ., Korea), Hong-Ryang Jung(Hanseο Univ., Korea), Cheong-Hwan Lim(Hanseο Univ., Korea)
07. W-09\_20\_Evaluation on the oral health promotion program for Kindergarten students/  
Jung-Hui Son(Daewon University College, Korea), Do-Seon Lim(Eulji Univ., Korea), Chang-Hee Kim(Chungcheong Univ., Korea)
08. W-09\_21\_Study on verbal abuse experience of dental personnel in dental clinics and hospitals/  
Jung-Hui Son(Daewon University College, Korea), Chang-Hee Kim(Chungcheong Univ., Korea), Do-Seon Lim(Eulji Univ., Korea)

01. W-06\_01\_The Influences of Self-Monitoring and Social Anxiety on SNS Addiction Tendency/  
Seongsoo Lee(SunMoon Univ., Korea), Yunkyeong Cho(SunMoon Univ., Korea), Jea Na Park(SunMoon Univ., Korea), Sanghee Park(SunMoon Univ., Korea), Sangmin Eum(SunMoon Univ., Korea), Jusang Jung(SunMoon Univ., Korea)
02. W-06\_02\_The Effect of Engagement Factors of Virtual advertising on the Advertising avoidance/  
Yun Seul Choi(Namseoul Univ., Korea), Seung Yeob Yu(Namseoul Univ., Korea)
03. W-06\_03\_A Cross-cultural Comparison of Food Advertising Appeals in Korea and U.S/  
Sangpil Han(Hanyang Univ., Korea)
04. W-06\_04\_Branding War: Which is more Powerful for Brand Communication between TV and Online?/  
Yuna Kim(Hanyang Univ., Korea), Sangpil Han(Hanyang Univ., Korea)
05. W-06\_05\_The Cause-and-Effect Relationship of the Factors of WeChat Use Intent: with a Focus on Chinese Users/  
JiHye Lee(Namseoul Univ., Korea), Seung Yeob Yu(Namseoul Univ., Korea)
06. W-06\_06\_The complexity of opt-in procedures and mobile shopping behaviors: Moderating effects of the amount of visual attention/  
Byunghwa Yang(Kangwon Nat'l Univ., Korea), Sang-Won Kim(Kangwon Nat'l Univ., Korea), Sang-Hu Kim(Kangwon Nat'l Univ., Korea), Yerang Kim(Kangwon Nat'l Univ., Korea)
07. W-06\_07\_Analysis of the Characteristics of Game Commercials in Terrestrial and Cable TV channels in Korea/  
Eun Hee Kim(Mokwon Univ., Korea), Seung Yeob Yu(Namseoul Univ., Korea)

01. DM\_03\_AI Social Messenger Fatigues: The Conceptual Model and Measurements/  
Minsoo Park(Sahmyook Univ., Kroea), Myung-Seong Yim(Sahmyook Univ., Kroea)
02. DM\_09\_The Study on the Supplier Development Programs for Technological Leadership/  
Sanghyun Lee(Sahmyook Univ., Kroea)
03. DM\_10\_A Study on the Correlations among Tourism Storytelling, Perception of Touristic Attractiveness and Behavioral Intention for Baekje Historic Areas/  
Young-Kwan Yang(JeonJu Univ., Korea)
04. DM\_11\_AI Sales Promotion of Distribution Channels – Focused on Medical Device Company/  
Jae Beom Lee(Sahmyook Univ., Korea), Yong Jae Shin(Inha Univ., Korea), Sung Wook Choi(Sogang Univ., Korea)
05. DM\_16\_A Study on the Advertising Diffusion Phenomenon by Consumer in New Media Advertising Environment/  
Min-wook Choi(Namseoul Univ., Korea)
06. DM\_17\_The Feasibility of Beacon as New Marketing Communication Media in O2O Marketing Era/  
Min-wook Choi(Namseoul Univ., Korea)
07. DM\_18\_A Study on the Regulation of Online Advertising in New Advertising Environment/  
Min-wook Choi(Namseoul Univ., Korea)
08. DM\_19\_An Effect of Spiritual Education and Non-Work Role Commitment on Role Strain and Job Satisfaction/  
Tae-Seog Jeong(Sahmyook Univ., Korea), Myung-Seong Yim(Sahmyook Univ., Korea)
09. DM\_21\_Moderating Effect of User Involvement on the Intention to continuous Use of Mobile easy payment service/  
Sung-soo Kim(Korea Polytechnic Univ., Korea), Tony Donghui Ahn(Korea Polytechnic Univ., Korea)

01. DP\_01\_ A Comparative Study on the Cost of Software Development Model Based on Inverse Exponential Distribution/  
Hee-Cheul Kim(Namseoul Univ., Korea), Kyung-Soo Kim(BaekSeok Culturel Univ., Korea)
02. W-02\_02\_Impact of the Global Financial Crisis on Volatility Spillover between U.S. and Asian-Pacific Stock Markets /  
Sang Hoon Kang(Pusan Nat'l Univ., Korea), Ron McIver(Univ. of South Australia, Australia), Seong-Min Yoon(Pusan Nat'l Univ., Korea)
03. W-02\_03\_Analysis about the Differences of Conservatism between Korea and Japan in the Stock Market /  
Kim Dong-Il(Pusan Nat'l Univ., Korea), Choi Seung-Il(Changwon Nat'l Univ, Korea)
04. W-02\_06\_The Public Service Paradigm under the Smart Government in South Korea /  
MyungHee Kim(Sahmyook Univ., Korea)
05. W-02\_07\_Issues and Trends in Multicultural Student Dropout in South Korea /  
MyungHee Kim(Sahmyook Univ., Korea)
06. W-16\_01\_University Students' Demand Function of Private Education/  
Seunggil Lee(Namseoul Univ., Korea)
07. W-16\_03\_Emphatic Profit Recognition of CSR in an SNS Environment, and Structure Modeling Analysis on the Purpose of Storytelling Advertisement/  
JeaYoung Kim(Namseoul Univ., Korea)
08. W-16\_06\_Salesperson's Adaptive Selling Behavior : Antecedents and Outcomes/  
Hae-Soo Pyun(Namseoul Univ., Korea)
09. W-16\_07\_The Effect of Self-Efficacy on Technology Readiness and Technology Acceptance/  
Minho Lee(Namseoul Univ., Korea)

01. DT\_01\_Study of Anger Expression of Nursing University Students /  
Hyun-Jung Jang(Kkottongnae Univ., Korea), Mi-Kyung Jeon(Munkyeong Univ., Korea)
02. DT\_02\_The Effect of Perceived Self-esteem and Social Support of Nursing Students on Mental Health /  
Jinhwan Oh(Suwon Science College, Korea), Geumsook Oh(Chungbuk Health Science Univ., Korea)
03. DT\_03\_The Influence of Meaning of Life and Attributional Style on Academic Self-efficacy of the Undergraduate Students /  
Younghee Lee(Chungbuk Health Science Univ., Korea), Geumsook Oh(Chungbuk Health Science Univ., Korea)
04. DT\_04\_The Influence of Self-Esteem and Attributional style on Career Decision-Making Self-Efficacy of the Nursing Students /  
Geumsook Oh(Chungbuk Health Science Univ., Korea), Younghee Lee(Chungbuk Health Science Univ., Korea)
05. DT\_05\_The Influence of Meaning of Life and Self-Efficacy on Nursing Students' Subjective Happiness /  
Geum Sook Oh(Chungbuk Health Science Univ., Korea), Jin Hwan Oh(Suwon Science College, Korea)
06. DT\_06\_A Study on the Postpartum Depression after Delivery /  
Hyun-Jung Jang(Kkottongnae Univ., Korea)
07. DT\_07\_Factors associated with smoking frequency among intermittent smokers -Focused on male adolescent- /  
In-Sook Park(Chungnam Nat'l Univ., Korea), Hee-Kyung Yun(Chungnam Nat'l Univ., Korea)
08. W-20\_03\_Effect of Problem-Solving Group Counseling Program on a Mother's Child Rearing Stress and Child Rearing Efficiency /  
Lee Jeong-sook(Gimcheon Univ., Korea), Sung-Joo Park(Gimcheon Univ., Korea)

01. W-03\_02\_Intermuscular motor unit recruitment of lower limb according to contralateral hip motion during dynamic and isometric single leg squat /  
So-Hee Lee(SunMoon Univ., Korea), Ji-Young Go(SunMoon Univ., Korea), Ji-Heon Hong(SunMoon Univ., Korea), Jin-Seop Kim(SunMoon Univ., Korea), Dong-Yeop Lee(SunMoon Univ., Korea), Jae-Ho Yu(SunMoon Univ., Korea)
02. W-03\_03\_Relationship between knee extensor strength and dynamic balance stability using a flexible platform in partial anterior cruciate ligament injury /  
Do-Kyung Kim(Samsung Medical center, Korea),  
Geon Park(Samsung Medical center, Korea),  
Won-Hah Park(Samsung Medical center, Korea), Jae-Ho Yu(SunMoon Univ., Korea)
03. W-03\_04\_The Effects of Protein Supplementation on Quadriceps Strength in Patients after Anterior Cruciate Ligament Reconstruction /  
Do-kyung Kim(Samsung Medical center, Korea), Jae-Ho Yu(SunMoon Univ., Korea)
04. W-03\_05\_Effects of maximal expiratory resistance training on lateral abdominal muscles in normal adults /  
Jae-Hong Cho(SunMoon Univ., Korea), Jun-Young Park(SunMoon Univ., Korea), Dong-Yeop Lee(SunMoon Univ., Korea), Ji-Heon Hong(SunMoon Univ., Korea), Jae-Ho Yu(SunMoon Univ., Korea), Jin-Seop Kim(SunMoon Univ., Korea)
05. W-03\_06\_The comparison of the subacromial space according to the difference conditions /  
Young-Hoon Mo(SunMoon Univ., Korea), Jong-Hun Im(SunMoon Univ., Korea), Dong-Yeop Lee(SunMoon Univ., Korea), Ji-Heon Hong(SunMoon Univ., Korea), Jae-Ho Yu(SunMoon Univ., Korea), Jin-Seop Kim(SunMoon Univ., Korea)
06. W-03\_08\_The Effect of Radiation Shielding Materials in Reducing Exposure Dose in 3D Neurocranium Angiography MDCT /  
Chang Gyu Kim(Gimcheon Univ., Korea), Mi-Ran Kim(ChungNam Univ., Korea)
07. W-03\_09\_Self-Leadership Types of Nursing Students /  
Yun-Jeong Kim(PaiChai Univ., Korea)
08. W-03\_10\_Study on the Parenting Experiences of Dual-income Parents Utilizing Childcare Facilities /  
Yun-Jeong Kim(PaiChai Univ., Korea)
09. W-03\_11\_Grandchildren Parenting Experiences of Grandparents /  
Yun-Jeong Kim(PaiChai Univ., Korea)
10. W-03\_12\_The Effective English Teaching Method on the Test Score of Korean University Students /  
Myeong-Hee Shin(Hannam Univ, Korea)

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# Oral Presentation

**Thursday January 12, 2017**

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01. W-01\_03\_A Study on the Effect of Resilience on Academic Stress and School Life Adjustment of Children /  
In Kim(Hanil Univ., Korea), Woong-Soo Kim(Hanil Univ., Korea), Seong-Chan Bae(Hanil Univ., Korea)
02. W-01\_04\_Relationships of parental attachment, cell-phone dependence and self-esteem in teenagers /  
Yang-E Kim(Hanil Univ., Korea), Hye-Jeong Choi(Hanil Univ., Korea), Hye-Sook Lee(Hanil Univ., Korea)
03. W-01\_10\_Caffeine and Taste Character of Homemade Coffee Liqueur/  
Chang-Hwan Oh(Semyung Univ., Korea)
04. W-01\_11\_The Effects of Bibliotherapy on Character Strengths in Nursing Students /  
Young Mi Ryu(Baekseok Univ., Korea), Myungsun Yi(Seoul Nat'l Univ., Korea)
05. W-01\_12\_Therapeutic Effects of Narratives in Breast Health Education /  
Myungsun Yi(Seoul Nat'l Univ., Korea), Young Mi Ryu(Baekseok Univ., Korea)
06. W-01\_23\_The correlations among academic achievement, self-directed learning, problem-solving, and communication after team-based learning in nursing students /  
Sukwon Hahn(Baekseok Culture Univ, Korea), Young Mi Ryu(Baekseok Univ., Korea)
07. W-01\_39\_The Effect of Kinect Inter-active Video Game on Exercise Self-Efficacy and Self-Perceived Health Status in Older Adults /  
Sung-Woon Kim(Kyungpook Nat'l Univ., Korea), Han-Cheol Kim(Yeungnam Univ., Korea)
08. W-01\_42\_A study about the influence of the disabled and socioeconomic status on social capital/  
Kim, Min-Young(Daejin Univ., Korea)
09. Art and Culture Science\_03\_The Effects of the Cosmetic Surgery Attitude of the College Students Majoring in Dance on the Perceived Dance Performance Ability /  
Jo Jin-Hee(Dankook Univ., Korea), Seo Soo-Jin(Seowon Univ., Korea)
10. Art and Culture Science\_04\_The Effects of Dance Lessons on Physical Efficacy, Self-esteem, and Ego Resilience in Middle School Girls /  
Oh Jin-Sook(Seowon Univ., Korea), Jeon Mi-Ra(Sejong Univ., Korea), Hong Mi-Sung(Woosuk Univ., Korea)

01. DP\_02\_Network policy and economic growth in Korea /  
Young-Wan Goo(Chungbuk Nat'l Univ., Korea), Seong-Hoon Lee(Korea Univ., Korea), Hyang-Soo Lee(Konkuk Univ., Korea)
02. DM\_05\_Effect on the Education Needs and Education transition, Practical results of Logistics NCS /  
Soo-Ho Choi(Sogang Univ, Korea), Jeong-Il Choi(SungKyul Univ., Korea)
03. DM\_06\_Can Servant Leadership Improve Organizational Performance through Use of MCS and Organizational Capabilities? /  
Sang-Wan Lee(Dong-A Univ., Korea), Tae-Jong Leem(Sahmyook Univ., Korea), Bong-Jin Kim(Dong-A Univ., Korea)
04. DM\_08\_Patent Valuation for Investment in kind /  
Kim Heung Su(Chosun Univ., Korea), Soo Kyung Choi(Suwon Science College, Korea)
05. DM\_20\_An Exploratory Research on Identification of Factors Influencing Spiritual Education Satisfaction /  
Myung-Seong Yim(Sahmyook Univ., Korea)
06. DM\_22\_A Study on Quality Assessment Analysis and Monitoring System for Realistic Representation Effects /  
Aria Seo(Dongguk Univ., Korea), Yei-Chang Kim(Dongguk Univ., Korea)
07. DMS\_02\_The relationships among exercise self-efficacy, exercise needs and health perception of patients with diabetes /  
Keumok Park(Chungnam Nat'l Univ., Korea), Youngshin Song(Chungnam Nat'l Univ., Korea), Kawon Seo(Chungnam Nat'l Univ., Korea), Bohyun Kim(Chungnam Nat'l Univ., Korea)
08. DMS\_04\_Psychometric Evaluation of Barriers to Insulin Treatment Scale in Korean /  
Hyunjin Lee(Chungnam Nat'l Univ., Korea), Heebum Yang(Eulji Univ., Korea), Youngshin Song(Chungnam Nat'l Univ., Korea)
09. DC\_03\_Analysis on Influential Factors of College Students' Knowledge Sharing Activities in Online Learning Environments /  
Jinyoung Son(Konkuk Univ., Korea), Min-Ho Joo(Konkuk Univ., Korea), Jinsol Park(Konkuk Univ., Korea), Sanghyeon Eom(Konkuk Univ., Korea), Keol Lim(Konkuk Univ., Korea)

01. DC\_04\_Changes of pitching kinematic induced by self-selected ball speed /  
Sang Hoon Lhee(SunMoon Univ., Korea), Dong Yeop Lee(SunMoon Univ., Korea), Jae Ho Yu(SunMoon Univ., Korea), Jin Seop Kim(SunMoon Univ., Korea), Jiheon Hong(SunMoon Univ., Korea)
02. W-03\_01\_Activation of selected shoulder muscle according to posture during upper quarter Y balance exercise /  
Jeong-Woo Jeon(SunMoon Univ., Korea), Seul-Ki Jung(SunMoon Univ., Korea), Ji-Heon Hong(SunMoon Univ., Korea), Jin-Seop Kim(SunMoon Univ., Korea), Dong-Yeop Lee(SunMoon Univ., Korea), Ji-Hye Park(SunMoon Univ., Korea), Jae-Ho Yu(SunMoon Univ., Korea)
03. W-03\_07\_Pitching analysis of body variables according to ball velocity in amateur baseball pitchers using gyro sensor /  
Jae Ho Yu(SunMoon Univ., Korea), Dong Yeop Lee(SunMoon Univ., Korea), Ji Heon Hong(SunMoon Univ., Korea), Jin Seop Kim(SunMoon Univ., Korea), Jeong Woo Jeon(SunMoon Univ., Korea)
04. W-04\_03\_The Development of an IoT Smart Device for Particulate Matter and Ultraviolet Ray Measurement /  
Hyeong-Seok Kim(Kongju Nat'l Univ., Korea), Seung-Taek Oh(Kongju Nat'l Univ., Korea), Heon-Taek Kong(Kongju Nat'l Univ., Korea), Seuc-Ho Ryu(Kongju Nat'l Univ., Korea), Jae-Hyun Lim(Kongju Nat'l Univ., Korea)
05. W-04\_04\_Synthetic Time of Vitamin D according to Exposure Area by Season /  
Kyeong-Mi Kim(Kongju Nat'l Univ., Korea), Young-Won Kim(Kongju Nat'l Univ., Korea), Jae-Hyun Lim(Kongju Nat'l Univ., Korea)
06. W-04\_06\_A Study of the Competency on Core Nursing skills and the Major Satisfaction of Undergraduate Nursing Students /  
Sun Ae Kim(Kkottongnae Univ., Korea), Sun Kyung Kim(Chungnam Nat'l Univ., Korea), Jong-Im Kim(Chungnam Nat'l Univ., Korea), Ock Ja Chang(Hyejeon College, Korea), Ji Yeon Choi(Gimcheon Univ., Korea), Mi Ra Nam(Kunsan College of Nursing, Korea), Tae Hui Kim(Chungnam Nat'l Univ., Korea), Bo Hyun Kim(Chungnam Nat'l Univ., Korea)
07. W-12\_12\_Mining the Open Science: Themes and Trends 10 years of Open Science /  
Mi-Hyun Ko(KISTI, Korea), Eun-Mi Park(Kyungpook Nat'l Univ., Korea), Joung-Hae Seo(Kyungpook Nat'l Univ., Korea), Seong-Taek Park(Chungbuk Nat'l Univ., Korea)
08. W-12\_13\_ICT Industry on Keyword Network Analysis /  
Mi-Hyun Ko(KISTI, Korea), Jae-Boong Kim(Korea Nat'l Univ. of Transportation, Korea, Korea), Seong-Taek Park(Chungbuk Nat'l Univ., Korea)
09. W-12\_15\_A Study on Exploration and Exploitation on Performance /  
Soo-Myung Choi(Chungbuk Nat'l Univ., Korea), Young Ki Kim(Chungbuk Nat'l Univ., Korea), Seong-Taek Park(Chungbuk Nat'l Univ., Korea)
10. W-12\_16\_A Study on Impact of R&D and Patent Activities /

Soo-Myung Choi(Chungbuk Nat'l Univ., Korea), Young Ki Kim(Chungbuk Nat'l Univ., Korea), Seong-Taek Park(Chungbuk Nat'l Univ., Korea)

11. W-12\_17\_Influence on Patent Activities on Product Performance /  
Soo-Myung Choi(Chungbuk Nat'l Univ., Korea), Tae-Ung Kim(Sungkyungkwan Univ., Korea),  
Young Ki Kim(Chungbuk Nat'l Univ., Korea), Seong-Taek Park(Chungbuk Nat'l Univ., Korea)rea)
12. W-12\_21\_Does Sense of Circle Facilitate Your Information Seeking Behavior? /  
Hong Jin(School of Business,Jiangxi Normal Univ., China), Fan Zhang(School of Business,Jiangxi Normal Univ., China), Guozhong Li(Kunming University of Science and Technology, China), Seong Taek Park(Chungbuk Nat'l Univ., Korea)
13. W-12\_22\_Review on the theoretical research of the circle in china /  
Hong Jin(School of Business,Jiangxi Normal Univ., China), Haiyan Wang(School of Business,Jiangxi Normal Univ., China), Jian Chen(School of Business,Jiangxi Normal Univ., China), Seong Taek Park(Chungbuk Nat'l Univ., Korea)
14. W-16\_04\_Research on How the Scarcity Message in Online Promotion Influences Attitude and Purchase Based on Regulatory Focus /  
An UnSeok(Namseoul Univ., Korea), KwangSeok Han(Namseoul Univ., Korea)
15. W-17\_05\_Convergence Security Technology Using Protocol Security Gateway based on OPC-UA for Smart Factory /  
Jae-Yoon Shim(NAONWORKS Co., Ltd., Korea), June-Kyoung Lee(NAONWORKS Co., Ltd., Korea), Kyoung-Hak Lee(KwangWoon Univ., Korea)

01. W-01\_43\_Effect of Psychomotor Program on the Attentiveness of the Children with ADHD /  
Dae heon MOON(Hanshin Univ., Korea), Youn tae SUH(Hanshin Univ., Korea), Kang Bung IL(Kaya Univ., Korea)
02. W-01\_44\_The Effect of Work Environment on Job Satisfaction of Disabled workers- Comparison  
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Kim, Min-Young(Daejin Univ., Korea)
03. W-01\_45\_The Role of Psychomotrician in Rehabilitation Sport /  
Youn Tae SUH(Hanshin Univ., Korea), Ju Byung PARK(Hanshin Univ., Korea), Sang Doo KIM(Joongbu Univ.,  
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KIM Yun Jung(Hanshin Univ., Korea), SUH Youn Tae(Hanshin Univ., Korea), KIM Sung Jin(Community Business  
Strategy Institute, Korea)
05. W-01\_49\_Effects of Aquatic Psychomotor Programs on the Fundamental Athletic Abilities of  
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Youn Tae SUH(Hanshin Univ., Korea), Duk Won SEO(Hanshin Univ., Korea), Haemi KIM(Joongbu Univ., Korea)
06. W-01\_56\_Effect of Psychomotor Program for Material Experience on the Coordination of Children  
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Youn Tae Suh(Hanshin Univ., Korea), Jae Kun Jung(Hanshin Univ., Korea)
07. W-01\_63\_Mediating effect of Self-efficacy in Relation of job stress and Work Satisfaction /  
Jeonug-Yeoul KIM(Chongshin Univ., Korea)
08. W-01\_64\_The Study on the Development of Youth Activity Scale : by Korea Achievement Awards  
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09. Art and Culture Science\_02\_Effect of Creative Rhythmical Movement Program on Perceptual  
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01. W-13\_05\_The Effect of Depression on Self-esteem and Wellbeing of Middle School Students: The moderated Mediation Effect of School Violence Victimization /  
Chang Seek Lee(Hanseo Univ., Korea), Yeoun Kyoung Hwang(Hanseo Univ., Korea)
02. W-13\_06\_The Effects of Depression on Wellbeing of High School Students: The Mediators of Self-esteem, Growth mindset, School Adjustment, and Grade /  
Chang Seek Lee(Hanseo Univ., Korea), Yeoun Kyoung Hwang(Hanseo Univ., Korea)
03. W-13\_07\_The Dual Mediating Effect of Makeup Motive and Appearance Management Behavior between Awareness of Baby Face Image Makeup and Wellbeing /  
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04. W-13\_08\_The Moderating Effect of Appearance Management Behavior between Awareness of Baby Face Makeup and Wellbeing /  
Yeoun Kyoung Hwang(Hanseo Univ., Korea), Chang Seek Lee(Hanseo Univ., Korea)
05. W-13\_09\_A Study on the Factors Influencing on Adolescents' School Life Adaptation: A Comparison of Teacher and Peer Adaptation /  
Chang Seek Lee(Hanseo Univ., Korea), Mi Hee Shin(Hanseo Univ., Korea), Jong Min Koh(Hanseo Univ., Korea), Hyo Kwon Ahn(Hanseo Univ., Korea), Kyung Suk Kim(Hanseo Univ., Korea), Ha Young Jang(Hanseo Univ., Korea)
06. W-13\_10\_The Roles of Friendship and Aggression between Domestic Violence and Adolescents' Happiness /  
Chang Seek Lee(Hanseo Univ., Korea), Hyang Ran Myoung(Hanseo Univ., Korea), Mi Hee Shin(Hanseo Univ., Korea), Keon Choi(Hanseo Univ., Korea), Ha Young Jang(Hanseo Univ., Korea)
07. W-13\_11\_The Roles of Growth Mindset and Hope between Authentic Leadership and Organizational Effectiveness /  
Ha Young Jang(Hanseo Univ., Korea), Chang Seek Lee(Hanseo Univ., Korea)
08. W-13\_12\_Between Us Bi-Multilinguals: Bilingual and Multilingual Views on Codeswitching /  
Estrella F. Fajardo(Bulacan State Univ., Philippines), Massuline Antonio D. Ligaya(Hanseo Univ., Korea), Joung-Hyung Ham(Hanseo Univ., Korea)

01. DC\_02\_Gene selection for minimum genes using NEWFM /  
Sang-Hong Lee(AnyangUniv., Korea)
02. DC\_06\_Design of intersection crossing assistance system for the visually impaired /  
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03. W-01\_15\_Influence of Frequency According to the Type of Physical Activity Participation in  
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04. W-01\_18\_The Effect of the father's Rearing Support and mother's Parenting Behavior on the  
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Taegy Kim(Taereung Nat'l Training Center, Kroea), Young Hoon Kim(Jeju National Univ., Korea)
07. W-01\_27\_THE EFFECT OF STATE ANXIETY AND SELF-CONFIDENCE ON OLYMPIC  
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Taegy Kim(Taereung Nat'l Training Center, Kroea), Chang-Hyung Lee(Pusan Nat'l Univ. Yangsan Hospital,  
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08. W-01\_29\_Movement Pattern Analysis of Korean Women's National Field Hockey Team Using GPS  
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Jong-Chul Park(Korea Institute of Sport Science, Korea), Je-Heon Moon(Seoul Nat'l Univ.,  
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09. W-01\_38\_Marital Relationship Quality and its Association with Job Insecurity, Job Burnout, and  
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Eun-Hee Park(Kwangju Women's Univ., Korea), Hae-Ryoung Park(Kwangju Women's Univ., Korea)
10. W-01\_40\_The structural relationship between authentic leadership, psychological capital and  
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Il-Gwang Kim(Korea Nat'l Sport Univ., Korea), Ji-Hyun Lee(Korea Nat'l Sport Univ., Korea), Susan Kim(Korea  
Nat'l Sport Univ., Korea), Joo-Young Kim(Korea Nat'l Sport Univ., Korea), Ja-Young Kim(Korea Nat'l Sport

Univ., Korea)

11. W-01\_41\_A Study on the Fairness Measures for referee operation by KOC member sports organizations /  
Mi-Suk Kim(Korea Insitutie of Sports Science., Korea), Il-Gwang Kim(Korea Nat'l Sport Univ., Korea), Jai-Han Ahn(Korea Sports Promotion Foundation, Korea), Jae-Hak Lee(YoungIn Univ., Korea), Sang-Wan Cheon(Korea Nat'l Sport Univ., Korea)
12. W-01\_47\_Validity and Reliability of Korean Version of the Student Perception of Safety and Quality Knowledge, Skill, Attitudes Questionnaire /  
A Young Park(Gwangju Univ., Korea), Hae-Ryoung Park(Kwangju Women's Univ., Korea)
13. W-01\_51\_The association between the DMFT index and levels of salivary Streptococcus mutans and Lactobacilli of Probiotic in Weissella cibaria CMU /  
Hae-Ryoung Park(Kwangju Women's Univ., Korea)
14. W-01\_52\_A Study on the daily stress and stress coping strategies in university students/  
See-yeoun Shin(Kyungdong Univ., Korea), Hwa-Jin Lee(Kyungdong Univ., Korea), Ye-Jong Lee(Gimcheon Univ., Korea)
15. W-01\_54\_A Study on Support for Independent Living of People with Developmental Disabilities in Japan /  
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Lee Jong-Kil(Chungnam Nat'l Univ., Korea), Lee Moon-Suk,(Chungnam Nat'l Univ., Korea) Lee Myung-Sun(Chungnam Nat'l Univ., Korea)

01. W-01\_58\_Effect of Psychomotor Program on the Athletic Abilities of Children with Developmental Delays /  
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02. W-01\_59\_A Study on Analysis of Job Stress Factors of Psychomotricians by using AHP Method /  
Youn Tae Suh(Hanshin Univ., Korea), Jong Su Ahn(Hanshin Univ., Korea)
03. W-01\_60\_Effect Analysis of Psychomotricity and Aquatic Psychomotricity on the Motor Ability of Children with Developmental Disorder /  
Youn Tae SUH(Hanshin Univ., Korea), Dong Kyun KO(Hanshin Univ., Korea)
04. W-01\_61\_Effect of Psychomotor Program on the Problematic Behavior of Children with Developmental Delays /  
Youn Tae Suh(Hanshin Univ., Korea), Young Seon Seo(Hanshin Univ., Korea)
05. W-01\_62\_Mediating Effect of Self-Efficacy in Relations of Social Elderly Care Facilities Social Workers' Role Conflict and Organization Effectiveness /  
Jeonug-Yeoul KIM(Chongshin Univ., Korea)
06. W-02\_01\_A Subjectivity Study on College Students' Perception of Mobile Advertising/  
Woo-Seok Choi(Youngsan Univ., Korea), Bong-Gyu Park(Dong-Eui Univ., Korea)
07. W-02\_04\_Low Fertility Policy through Resolving Delayed Marriage: South Korea's Case/  
MyungHee Kim(Sahmyook Univ., Korea)
08. W-02\_05\_The Study on Tourist Behavior of Purchase Stage through Travel and Tourism Omnichannel /  
Hyun-Jee Park(Tongmyong Univ., Korea), Jung-Hwan Park(Tongmyong Univ., Korea), Young-Ha Kim(Tongmyong Univ., Korea), Bong-Gyu Park(Dong-Eui Univ., Korea)

01. W-09\_12\_Comparative Analysis of the Accuracy Management Element by the Radiation Generator System for the Diagnosis /  
Kyung-Wan KIM(Hanseon Univ., Korea), Cheong-Hwan LIM(Hanseon Univ., Korea), Seong-Hun JUNG(Hanseon Univ., Korea)
02. W-09\_14\_Analysis of Factor for the Purchase Decision of Magnetic Resonance Imaging/  
Cho Sung-Eok(Hanseon Univ., Korea), Lim Chung-Hwan(Hanseon Univ., Korea), Jeung Seung-Hun(Hanseon Univ., Korea), Kim Kyu-Hyung(Hanseon Univ., Korea)
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04. W-13\_01\_The Effects of Employment Stress on Wellbeing of College and University Students in Korea: The Mediating Effects of Growth Mindset, Grit and Hope /  
Chang Seek Lee(Hanseon Univ., Korea)
05. W-13\_02\_The Mediating Effects of Growth Mindset between Employment Stress and Happiness of College and University Students in Korea /  
Chang Seek Lee(Hanseon Univ., Korea), Yeoun Kyoung Hwang(Hanseon Univ., Korea)
06. W-13\_03\_The Effect of Human Rights Victimization on Self-esteem of University Students in Korea: The Mediating Effect of Hope /  
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07. W-13\_04\_The Dual Mediating Effects of Growth Mindset and Self-esteem between Stress and Wellbeing of Middle School students /  
Chang Seek Lee(Hanseon Univ., Korea), Yeoun Kyoung Hwang(Hanseon Univ., Korea)

01. DP\_03\_An Exploratory Study on the Concept and Conditions of Happinomics in the Digital Age /  
Kyoo-Sung Noh(Sunmoon Univ., Korea)
02. DP\_04\_IEIM: Common Criteria for Internet Ethics-Index Measurement /  
Jeong-Dong Kim(Sunmoon Univ., Korea), Jung-Ho Park(Sunmoon Univ., Korea), Young-Han Lee(Sunmoon Univ., Korea)
03. DM\_12\_Mobile App-based Platforms in a Hyper-connected Society /  
Seong-Mook Kim(TNS Korea, Korea), Hyun-Hee Cha(Junghwa Art College, Korea)
04. DM\_14\_An Application of a Multi-Generation Diffusion Model to Forecast 5G Mobile Telecommunication Service Subscribers in South Korea /  
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05. DM\_15\_Comparing service quality of paid and free Apps in China /  
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07. W-16\_02\_The Influence of Visual Metaphors and Expected Value of Digital Billboard Advertising on Attitude toward Advertising and Brand /  
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08. W-21\_02\_A Study on the Model for the Improvement of Kendo Athletic Performance Using Big Data /  
Joon-Yong Kim(Kongju Nat'l Univ., Korea), Koo-Rack Park(Kongju Nat'l Univ., Korea), Young-Suk Chung(Kongju Nat'l Univ., Korea), Jung-Min Park(Kongju Nat'l Univ., Korea)
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Hoo-Young Lee(Kongju Nat'l Univ., Korea), Koo-Rack Park(Kongju Nat'l Univ., Korea), Dong-Hyun Kim(Woosong Univ., Korea)
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11. W-21\_06\_A study on elevator control model using Bluetooth /  
Seong-Ik Kim(Kongju Nat'l Univ., Korea), Koo-Rack Park(Kongju Nat'l Univ., Korea), Young-Suk Chung(Kongju Nat'l Univ., Korea), Han-Jin Cho(Far East Univ., Korea)
12. W-21\_07\_A Study on WebRTC-based Open-Type Whiteboard Platform /

Dong-Yeol Moon(Kongju Nat'l Univ., Korea), Koo-Rack Park(Kongju Nat'l Univ., Korea), Dong-Hyun Kim(Woosong Univ., Korea)

13. W-21\_09\_A Design and Improvement of Search System for Administrator Based on IPCC/  
Tae-Sung Lim(Kongju Nat'l Univ., Korea), Koo-Rack Park(Kongju Nat'l Univ., Korea), Han-Jin Cho(Far East Univ., Korea), Young Suk Chung(Kongju Nat'l Univ., Korea)
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Jin-Woo Hong(Kongju Nat'l Univ., Korea), Koo-Rack Park(Kongju Nat'l Univ., Korea), Dong-Hyun Kim(Woosong Univ., Korea)
15. W-21\_14\_Design for ZRPID to Guide Evacuation Routes in Indoor Disasters /  
Jung Gang-Hee(Sunmoon Univ., Korea), Park yoon-young(Sunmoon Univ., Korea), Kim Se-Yeob(Sunmoon Univ., Korea), Cho Young-Wook(Sunmoon Univ., Korea)

01. W-04\_02\_Mass Flow Performance Prediction of Welding Section Shapes within Injector Plunger applying NGV Fuel (CH<sub>4</sub>) /  
Kwonse Kim(Kongju Nat'l Univ., Korea), Dooseuk Choi(Kongju Nat'l Univ., Korea)
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03. W-06\_08\_A Study of Influential Factors to Global Business Strategy of Korean SMEs in the Era of Multi-FTAs: Focusing on China and Vietnam /  
Tae Ho Kim(Tsinghua Univ., China)
04. W-07\_02\_The Effects of Chinese Character Education on Brain Activation /  
Joo-Eun Lee(SookMung Women's Univ., Korea)
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Dongmin Shin(Korea Nat'l Univ. of Transportation, Korea), Minjeong Park(4dm Design Management Creative Director, Korea), Gangbok Lee(ETRI, Korea), Seungyong Kim(Korea Nat'l Univ. of Transportation, Korea), Minju Kang(Korea Nat'l Univ. of Transportation, Korea), Jaehan Jeong(Korea Fire Institute, Korea), Yongtaek Han(Korea Fire Institute, Korea), ByungJun Cho(Kangwon Nat'l Univ., Korea)
06. W-19\_01\_The Influencing Factors of the Stress of Hypertension Patients /  
Myoung-Jin Kwon(Daejeon Univ, Korea), Sung-Yun Ahn(PaiChai Univ., Korea)
07. W-19\_02\_Influence of mental health, emotional intelligence, self-directed learning ability on interpersonal relationship among nursing students /  
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08. W-22\_01\_Knowledge Services for Idea Commercialization /  
Taikyeong Chung(KISTI, Korea), Eun Jung Park(Hankuk Univ. of Foreign Studies, Korea), In Sub Kim(Sahmyook Health Univ., Korea)
09. W-22\_02\_Emotions of the interactive storytelling in Façade game /  
Eun Jung Park(Hankuk Univ. of Foreign Studies, Korea), Byong Chul Bae(Hong-Ik Univ., Korea)

01. W-10\_01\_When does the consumer feel the authenticity in cause related marketing? /  
Jong-Ho Yoon(GUMI Univ., Korea), Gwi-Gon Kim(Kumoh Nat'l Institute of Technology, Korea)
02. W-10\_02\_Which reward program impact on purchase review? /  
Yu-Mi Baek(Kumoh Nat'l Institute of Technology, Korea), Gwi-Gon Kim(Kumoh Nat'l Institute of Technology, Korea)
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Young-Duck Kim(Kumoh Nat'l Institute of Technology, Korea), Gwi-Gon Kim(Kumoh Nat'l Institute of Technology, Korea)
04. W-10\_04\_The moderating effect of intrinsic motivation to share knowledge between organizational factors and knowledge sharing behavior and innovation behavior in Mongolian university /  
Enkhchimeg Tsendendorj(Mongolian Univ. of Science and Technology, Mongolia), Purevsuren Byambakhishig(Mongolian Univ. of Science and Technology, Mongolia), Nyambayar Chimed-Ochir(Mongolian Univ. of Science and Technology, Mongolia), Tungalagtuya Galdan(Mongolian Univ. of Science and Technology, Mongolia), Gwi-Gon Kim(Kumoh Nat'l Institute of Technology, Korea)
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Narantuya Gantuya(Kumoh Nat'l Institute of Technology, Korea), Gwi-Gon Kim(Kumoh Nat'l Institute of Technology, Korea), Ki-Heung Yim(KwangJu Women's Univ., Korea)
06. W-20\_01\_The Relationship between Achievement Goal Orientation and Academic Burnout for University Students: The Mediating Effect of The Learning Flow /  
Ju-Hyun Kim(Gimcheon Univ., Korea), Sung-Joo Park(Gimcheon Univ., Korea)
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Seung-joo Oh(Gimcheon Univ., Korea), Sung-Joo Park(Gimcheon Univ., Korea)

01. W-12\_10\_Effect of Social Media Usage on Perceived Risk: Moderating Role of Fairness/  
Sung-Won Lee(Univ. of Seoul, Korea), Seong-Taek Park(Chungbuk Nat'l Univ., Korea)
02. W-12\_14\_A Study on Tuberculosis by Big Data Analysis /  
Byung-Sung Kim(ATMAN partners, Korea), Tae-Gu Kang(Chungbuk Nat'l Univ.,  
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Guozhong Li(Kunming University of Science and Technology, China), Seong Taek Park(Chungbuk Nat'l Univ.,  
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Jeong-Min Lee(Namseoul Univ., Korea), Jin-Kon Kim(Namseoul Univ., Korea), Kyoung-Hak Lee(Kwangwoon  
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A-Leum Jung(Namseoul Univ., Korea), Jeong-Min Lee(Namseoul Univ., Korea), Jong-Ho Lee(Namseoul Univ.,  
Korea), Kyounghak Lee(KwangWoon Univ., Korea)

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# Oral Presentation

**Friday January 13, 2017**

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Sang Yeob Oh(Gachon Univ., Korea), ChulHo Park(Doowon Technical Univ., Korea)
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Myung-A Kang(Gwangju Univ., Korea), Eun-Soo Lee(Gwangju Univ., Korea)
04. W-15\_05\_Public Data based Mobile Tourism Service Considering User Convenience/  
Yong-Won Kim(Dongseo Univ., Korea), Sang-Hyun Nam(Dongseo Univ., Korea), Ji-Yeon Jung(Dongseo Univ., Korea), Ji-Eun Kim(Dongseo Univ., Korea), Roy C. Park(Dongseo Univ., Korea)
05. W-15\_06\_PHR based Personalized Light Therapy System for Sleep Pattern Correction/  
Keon-Woo Kim(Dongseo Univ., Korea), A-Rim Park(Dongseo Univ., Korea), Ja Yun Heo(Dongseo Univ., Korea), Na Eun Lee(Dongseo Univ., Korea), Roy C. Park(Dongseo Univ., Korea)
06. W-15\_07\_Development of IoT based Intelligent Smart Water Control System for Efficient Water Management/  
Da-Vin Yang(Dongseo Univ., Korea), Min-Sik Youn(Dongseo Univ., Korea), Dong-Hoon Shin(Dongseo Univ., Korea), Roy C. Park(Dongseo Univ., Korea)
07. W-15\_08\_Collaborative Filtering based Intelligent Schedule Management Service Considering User Convenience using Clipboard/  
Sang-Rok Kim(Dongseo Univ., Korea), Jun-Young Choi(Dongseo Univ., Korea), Song-Yi Oh(Dongseo Univ., Korea), Ji-Hye Oh(Dongseo Univ., Korea), Hyo-Jin Park(Dongseo Univ., Korea), Roy C. Park(Dongseo Univ., Korea)
08. W-15\_09\_Mobile Healthcare service using Chatting bot for Emergency Treatment/  
Chang-Min Ryu(Dongseo Univ., Korea), Tae-Min Kim(Dongseo Univ., Korea), Ge-Hoon Hwang(Dongseo Univ., Korea), Yu-Rim Kim(Dongseo Univ., Korea), Roy C. Park(Dongseo Univ., Korea)
09. W-15\_10\_Development Environment for Physical Computing Based on Open Source Blockly/  
Eun-Ju Jo(Dongseo Univ., Korea), Mikyeong Moon(Dongseo Univ., Korea)

01. W-18\_01\_A Study on the Improvement of Process Using Motion Analysis/  
Hyun-Jong Kim(Hansung Univ., Korea), Hwang-Yong Lim(Hansung Univ., Korea), Seung-Cheon Kim(Hansung Univ., Korea), Yen-Woo You(Hansung Univ., Korea)
02. W-18\_02\_A Study on the Informatization of the Enterprises in Gaeseong Industrial Complex and Its Improvement/  
Hyun-Jong Kim(Hansung Univ., Korea), Hwang-Yong Lim(Hansung Univ., Korea), Seung-Cheon Kim(Hansung Univ., Korea), Yen-Woo You(Hansung Univ., Korea)
03. W-18\_03\_A Study on the Solutions for Difficulties and Problems through the Analysis on the Current Status of Companies Introducing Smart Factory for Small and Medium-sized Enterprise /  
Hyun-Jong Kim(Hansung Univ., Korea), Hwang-Yong Lim(Hansung Univ., Korea), Seung-Cheon Kim(Hansung Univ., Korea), Yen-Woo You(Hansung Univ., Korea)
04. W-18\_05\_A Study of the Effect of the R&D Competence of IT Firms on Corporate Performance/  
Hwan-Jo Jung(Hansung Univ., Korea), Yeon-Woo You(Hansung Univ., Korea)
05. W-18\_06\_A Study on the Effect of the Quality of Intellectual Property Consulting Service on Consulting Performance/  
Hwan-Jo Jung(Hansung Univ., Korea), Yeon-Woo You(Hansung Univ., Korea)
06. W-18\_07\_A Study on the Effect of the R&D Activity of Manufacturers on Business Performance (Focused on the comparison of the manufacturers in the metropolitan area and in the non-metropolitan area)/  
Hwan-Jo Jung(Hansung Univ., Korea), Yeon-Woo You(Hansung Univ., Korea)
07. W-18\_08\_Case Study on Design Automation of ICT Convergence Smart Factory -Focusing on Switchboards/  
Tae-Ho Lee(Hansung Univ., Korea), Yen-Woo You(Hansung Univ., Korea)
08. W-18\_09\_A Study on Safety Management System for Switchboards/  
Tae-Ho Lee(Hansung Univ., Korea), Yen-Woo You(Hansung Univ., Korea)

01. W-18\_10\_A Study on Integrated Management System of Switchboard Service based on Cloud Service/  
Tae-Ho Lee(Hansung Univ., Korea), Yen-Woo You(Hansung Univ., Korea)
02. W-18\_11\_A Study on the Effect of Consultant's Competence on Performance of Technology Commercialization/  
Seon-Hoo Kim(Hansung Univ., Korea), Yeon-Woo You(Hansung Univ., Korea)
03. W-18\_12\_A Study on the Influence of Organizational Culture on the Business Performance of the Company Focused on the Consultant Capability/  
Beom-Seok Park(Hansung Univ., Korea), Yeon-Yoo You(Hansung Univ., Korea)
04. W-18\_13\_A Study on the Effect of Consulting Service Quality focused on the moderating effects on consultant competence on Consulting Satisfaction/  
Beom-Seok Park(Hansung Univ., Korea), Yeon-Yoo You(Hansung Univ., Korea)
05. W-18\_14\_A Study on the Influence of Consulting Service Quality on Consulting Satisfaction Based on Understanding and Participation in Consulting/  
Beom-Seok Park(Hansung Univ., Korea), Yeon-Yoo You(Hansung Univ., Korea)
06. W-18\_15\_A Study on the Influence of Consulting Participation of the Consulted Firm on Consulting Repurchase Intention – Focusing on the adjustment effect of consulting understanding degree of the Consulted Firm/  
Yang-Woo Lee(Hansung Univ., Korea), Yeon-Yoo You(Hansung Univ., Korea)
07. W-18\_16\_A Study on the Effect of Consulting Service Quality on Consulting Repurchase Intention– Focused on the moderating effect of the responsiveness of service/  
Yang-Woo Lee(Hansung Univ., Korea), Yeon-Yoo You(Hansung Univ., Korea)
08. W-18\_17\_A Study on the Effect of PM Consultant Leadership Capability on Consulting Repurchase Intention –Focusing on the moderating effects of participation of SMEs' CEOs/  
Yang-Woo Lee(Hansung Univ., Korea), Yeon-Yoo You(Hansung Univ., Korea)

01. W-18\_34\_An Impact of Family Business Succession Characteristics on Internal/External Recognition and Management Performance/  
Dong-kil Lee(Hansung Univ., Korea), Yen-yoo You(Hansung Univ., Korea)
02. W-18\_35\_The effects of pre-treatment methods of carbon electrode for EDLC on Al Current Collector/  
Mun-Soo Lee(Hansung Univ., Korea), Ju-Il Yoon(Hansung Univ., Korea), So-Yeon Han(Hansung Univ., Korea)
03. W-18\_36\_Designing and Motion Realization of a Board Game Device Having a Three-Dimensional Solid Structure/  
Seo Sung-Hyun(Hansung Univ., Korea), Kim Seung-Cheon(Hansung Univ., Korea)
04. W-18\_37\_Study on Measures for the Enhancement of Convergence Security Strategies in the IoT Era/  
Jong-Hyuk Won(Hansung Univ., Korea), Yeon-Woo You(Hansung Univ., Korea)
05. W-18\_38\_A Case Study on Building of Integrated Human Resources System for Global Environment/  
Ji-Yean Lee(Hansung Univ., Korea), Jae-Goo Kang(Hansung Univ., Korea), Kwan-sik Na(SeoWon Univ., Korea), Yen-Yoo You(Hansung Univ., Korea)
06. W-18\_39\_Development of air sterilization purifier combined with broadband to active photocatalyst and ion cluster generating module/  
Yoon seung bae(Hansung Univ., Korea), Yoo in soo(Gootz, Korea), Kim seung cheon(Hansung Univ., Korea)
07. W-18\_40\_A study on improvement plan of data center operation through the data center automation system in the cloud era/  
Heedon Jang(Hansung Univ., Korea), Seungcheon Kim(Hansung Univ., Korea)
08. W-18\_41\_A study on System and application performance monitoring system construction using mass processing engine (ElasticSearch) based on NoSQL/  
Heedon Jang(Hansung Univ., Korea), Seungcheon Kim(Hansung Univ., Korea)
09. W-18\_42\_A Study on Efficient Introduction through the Analysis of the Current Status of Companies to be Scheduled to Introduce Smart Factory in Small and Medium-sized Enterprises/  
Hwang Yong Lim(Hansung Univ., Korea), Hyun Jong Kim(Hansung Univ., Korea), Kwang Hyun Ro(Hansung Univ., Korea)

01. W-18\_18\_A Study on the Problem Solving Ability of Consultants Affecting Quality of Consulting Service/  
Bong Cheol Lee(Hansung Univ., Korea), Yen Yoo You(Hansung Univ., Korea)
02. W-18\_19\_A Study on PEST-SWOT-AHP Methodology for Strategic Task Prioritization/  
Bong Cheol Lee(Hansung Univ., Korea), Do Sung Na(Hansung Univ., Korea)
03. W-18\_20\_The Effect of the Problem Solving Ability of Management Consultants on Participation of the consulted firm/  
Bong Cheol Lee(Hansung Univ., Korea), Yen Yoo You(Hansung Univ., Korea)
04. W-18\_21\_A Study on the Effect of Consultant Capability on Consulting Satisfaction- Focusing on the mediating effect of consulting service quality and the consulted company's understanding -/  
Yong kuk Choi(Hansung Univ., Korea), Yeon Yoo You(Hansung Univ., Korea)
05. W-18\_22\_A Study on the Effect of Consulting Professionalism on Business Performance - The mediating effects of consulting service quality and the moderating effect of participation of the consulted firm-/  
Yong kuk Choi(Hansung Univ., Korea), Yeon Yoo You(Hansung Univ., Korea)
06. W-18\_23\_A Study on the Effect of Consulting Firm's Expertise on Consulting Satisfaction - Focusing on the effects of brand awareness -/  
Yong kuk Choi(Hansung Univ., Korea), Yeon Yoo You(Hansung Univ., Korea)
07. W-18\_24\_Development of smart health care shoes equipped with the care system for the prevention of the musculoskeletal injuries and for monitoring the activities based on M Health / U Health/  
Sung-Pyo Jun(Hansung Univ., Korea), Yun-Woo You(Hansung Univ., Korea)
08. W-18\_25\_A Study of the Effect of Intangible Asset on Firm Value/  
Jeong Hwan Lee(Hansung Univ., Korea), Yeon Yoo You(Hansung Univ., Korea)

01. W-16\_05\_Study on the Effect of Logistics Service Quality and Customer Service in Overseas Direct Online Shopping/  
Jae-Hak Lee(Namseoul Univ., Korea)
02. W-20\_05\_Device Hacking Scenario and Countermeasure using CoAP in the Internet of Things Environment/  
Cho-Rong Seo(Baekseok Univ., Korea), Keun-Ho Lee(Baekseok Univ., Korea), Heuseok Lim(Korea Univ., Korea)
03. W-20\_06\_The Sales Profit Distribution Model for the Contents of Multiple Authorships/  
Sunghyun Yun(Baekseok Univ., Korea), Heuseok Lim(Korea Univ., Korea)
04. W-21\_01\_IoT Data Processing Technique for Big Data Enhancement/  
Yoon-Su Jeong(Mokwon Univ., Korea), Seung-Soo Shin(Tongmyong Univ., Korea)
05. W-21\_05\_A Study of National R&D Information Disclosure & Opening Expansion Policy Planning/  
Jeong-Oh Kim(KISTI, Korea), Jong-won Kim(KISTI, Korea), WooSeung Jo(KISTI, Korea), Min-woo Park(KISTI, Korea), Young-Joon Yoon(KISTI, Korea)
06. W-21\_08\_BLE Beacon-based Etiquette System of Smart Devices/  
Ki-mun Keum(R2soft co., Korea), Chang-bok Jang(R2soft co., Korea), Ki-Bong Kim(Daejeon Health Institute of Technology, Korea), Ohsuk Kwon(Chungnam Nat'l Univ., Korea)
07. W-21\_11\_A Study on a Plan for Enhancing Customer Satisfaction on government-funded Research Institutes- A Case study in KISTI /  
Sang-Kuk Kim(KISTI, Korea), Yong-Ho Lee(KISTI, Korea)
08. W-21\_12\_Study on the standardization of signal intensity scale of pixel value in digital radiography/  
Joon-Koo Choi(Far East Univ., Korea), Dong-Hee Hong(Far East Univ., Korea), Gha-Jung Kim(Far East Univ., Korea), Hyeong-Gyun Kim(Far East Univ., Korea)
09. W-21\_13\_Generating Long Exposure Effect using Image Sequence/  
Kyuman Jeong(Daegu Univ., Korea), Bareum Kim(Daegu Univ., Korea), Han-Jin Cho(Far East Univ., Korea)

01. W-18\_26\_A Study on the Influence of Intellectual Property Strategy on Management Performance/  
Jeong Hwan Lee(Hansung Univ., Korea), Yeon Yoo You(Hansung Univ., Korea)
02. W-18\_27\_The Effect of Patent Index on Company Innovation Index/  
Jeong Hwan Lee(Hansung Univ., Korea), Yeon Yoo You(Hansung Univ., Korea)
03. W-18\_28\_A Study on the Making of 3D Printed Fetus Sculpture Through Ultrasonic Automatic  
File Converting Technology/  
Jae-Goo Kang(Hansung Univ., Korea), Jun-Cheol Kwon(3DSTORY Co.,Ltd., Yongin, Korea), Kwan-sik  
Na(SeoWon Univ., Korea), Yen-Yoo You(Hansung Univ., Korea)
04. W-18\_29\_The Case Study of Expert Group on the Development of Industry Convergence  
Evaluation Framework/  
Moon, In Chan(Hansung Univ., Korea), Yeon Woo Yoo(Hansung Univ., Korea)
05. W-18\_30\_A Study on Consulting Satisfaction according to Types of Organizational Culture –  
Focusing on Moderating Effect of Consulting Service Quality– /  
Hye-ran Yoon(Hansung Univ., Korea), Do-sung Na(Hansung Univ., Korea)
06. W-18\_31\_A study on prevention against the patent disputes in the virtual reality(VR) technical  
field/  
Da-Un Chung(Hansung Univ., Korea), You Yen-Yoo(Hansung Univ., Korea)
07. W-18\_32\_A study on prevention against small and medium companies' leakage of trade secret:  
Focused on the company's retired employees and incumbents/  
Da-Un Chung(Hansung Univ., Korea), You Yen-Yoo(Hansung Univ., Korea)
08. W-18\_33\_The effect on the education performance of the consulting education characteristic/  
My-young Cho(Hansung Univ., Korea), Yen-yoo You(Hansung Univ., Korea)

01. W-17\_01\_A Study on Development of Drone & Photoscan-Based Virtual Reality 360° Cultural Heritage Contents/  
Tae-Yeon Kim(Namseoul Univ., Korea), Jung-Yeob Han(Namseoul Univ., Korea)
02. W-17\_02\_A Study on the Development of Virtual Reality Contents – A full sensorial experience/  
Eun-Ji Cha(Namseoul Univ., Korea), Jung-Yeob Han(Namseoul Univ., Korea)
03. W-17\_03\_Development of Psychotherapy Content Using Virtual Reality Technology: Focusing on Phobia Treatment/  
Jaerim Jung(Namseoul Univ., Korea), Hyunwoo Kim(Namseoul Univ., Korea)
04. W-17\_06\_The Impact of Afterhours Work-related Use of Smartphone on Emotional Labor/  
Ji-Eun Jeong(Chungbuk Univ., Korea), Sang-Wook Kim(Chungbuk Univ., Korea), Myeong-Ryoon Oh(Chungbuk Univ., Korea)
05. W-17\_07\_A Study on the Research and Development of an Optimized Shader to be used in the Production of Virtual Reality Environments by using Unity/  
Cheol-gyu Kim(Namseoul Univ., Korea), Min-shik Kang(Namseoul Univ., Korea)
06. W-17\_08\_A Study of Local Museum Management by Introduction of Augmented Reality/  
Hyunwoo Kim(Namseoul Univ., Korea), Jaerim Jung(Namseoul Univ., Korea), Jinkon Kim(Namseoul Univ., Korea)
07. W-17\_10\_Understanding and Study on Virtual Reality Social Media through Jonah Complex: Focusing on Facebook and Social VR/  
Sung-Won Han(NamSeoul Univ., Korea), Jin-Gon Kim(NamSeoul Univ., Korea)

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# Oral Presentation

**Saturday January 14, 2017**

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01. W-01\_01\_Is treatment of Mandibular Advancement Device acceptable to snorers?/  
Ka-Eun Kim(Jeonju Univ., Korea), Chung-Poong Hwang(Jeonju Univ., Korea), Soon-Kwon Park(Jeonju Univ., Korea), Il-Young Cho(Jeonju Univ., Korea)
02. W-01\_02\_The major considerations of defining Complementary and Alternative Medicine/  
Che Denis Nchang(Jeonju Univ., Korea), Mo Li(Jeonju Univ., Korea), Ka-Eun Kim(Jeonju Univ., Korea), Jung-Soo Han(Backseok Univ., Korea), Jung-Keun Cho(Jeonju Univ., Korea), Il-Young Cho(Jeonju Univ., Korea)
03. W-01\_05\_Analysis of Relationship between Digital Divide of University Student and their Understanding of Infographic, and Acceptance of Infographic in the Era of Big Data/  
Kyoungho Choi(Jeonju Univ, Korea)
04. W-01\_06\_Mediating Effect of Subjective Health Status in Relation Between Stress and Health-Related Quality of Life/  
Kyoungho Choi(Jeonju Univ, Korea)
05. W-01\_07\_An Investigation of Self-Evaluated Performance on Foodservice Management among Directors and Teachers in Home Day Care Centers/  
Jooeun Lee(Seowon Univ., Korea)
06. W-01\_08\_A Study on the Food Hygiene Knowledge, Attitude, and Practice of Directors and Teachers in the Home Day Care Centers/  
Jooeun Lee(Seowon Univ., Korea)
07. W-01\_09\_Content and Meaning of Case Management Practice Success Experience of Regional Society Civil Case Managers/  
In-Ju Song(Seoul Welfare Foundation, Korea), Su-Sun Park(Seowon Univ., Korea)
08. W-01\_13\_Trend Analyses of KOSPI Data using Moving Average based Smoothing Filter/  
Heedong Hong(Semyung Univ., Korea), Hyunsoo Lee(Kumoh Nat'l Institute of Technology Univ., Korea)
09. W-01\_14\_A Study on the Processes and Determining Factors in Career Decision of the College Students Majoring in Social Welfare/  
Su-Sun Park(Seowon Univ., Korea)
10. W-01\_16\_An Analysis of the Priority Order of Spectator Motivation in Korean Professional Soccer/  
Kyoung-Goo Jung(Jeonju Univ., Korea), Kwang-Kil Yu(Chonbuk Nat'l Univ., Korea)

01. W-12\_01\_What Influences the Security Researcher's Hacking Attitude? : Focusing on Deterrence Theory/  
Hyeong-Yeol Kim(Chungbuk Nat'l Univ., Korea), Jung-Ryeol Park(Chungbuk Nat'l Univ., Korea), Tae-Sung Kim(Chungbuk Nat'l Univ., Korea)
02. W-12\_02\_Evaluation of Cybersecurity Training for Government Security Management Officers/  
Sung-Kyu Park(Chungbuk Nat'l Univ., Korea), Song-Ha Lee(Chungbuk Nat'l Univ., Korea), Tae-Sung Kim(Chungbuk Nat'l Univ., Korea)
03. W-12\_03\_A Study on Privacy Protection of u-Wellness Care Platform/  
Sung-Kyu Park(Chungbuk Nat'l Univ., Korea), Taek-Young Kim(Chungbuk Nat'l Univ., Korea), Tae-Sung Kim(Chungbuk Nat'l Univ., Korea)
04. W-12\_04\_Country Focus: Factors Influencing the Behavior of Wireless Telco Subscribers in Senegal/  
Gatape Dianka(Chungbuk Nat'l Univ., Korea), Su Jin Yeon(Chungbuk Nat'l Univ., Korea), Jidae Kim(Chungbuk Nat'l Univ., Korea), Young Wook Song(Chungbuk Nat'l Univ., Korea)
05. W-12\_05\_The Methodology of Answer filtering through Online Healthcare Q&A community/  
Sung Hyun Ryu(Chungbuk Nat'l Univ., Korea), Sang Hyun Choi(Chungbuk Nat'l Univ., Korea)
06. W-12\_06\_A Study on Entrepreneurship Education and Entrepreneurial Intentions of Jewelry Design Majors in South Korea/  
Chin hee Chang(Chungbuk Nat'l Univ., Korea), Sang Hyun Choi(Chungbuk Nat'l Univ., Korea)
07. W-12\_07\_Relationship between a stock price fluctuation and its new articles/  
Ye ji Lee(Chungbuk Nat'l Univ., Korea), Sang Hyun Choi(Chungbuk Nat'l Univ., Korea), Chul Ho Park(Chungbuk Nat'l Univ., Korea)
08. W-12\_08\_A Meta Analysis on the Effect of Exercise Program on TC, HDL, LDL, and TG of Elementary School Students and the Elderly/  
Bong woo Chang(Chungbuk Nat'l Univ., Korea)
09. W-12\_09\_The effect of online behavioral advertising on purchase attitude/  
Seong-Ryong Hong(Chungbuk Nat'l Univ., Korea), Sang-Hyun Choi(Chungbuk Nat'l Univ., Korea)
10. W-12\_11\_Can Sharing of Cyber Threat Information be vitalized?/  
Ha-Young Kim(Chungbuk Nat'l Univ., Korea), Tae-Sung Kim(Chungbuk Nat'l Univ., Korea)

01. W-01\_17\_Mechanism in Antibacterial Activity on Fraction of Coptidis Rhizoma against Candida Albicans/  
Jae-Hyeok Lee(Nambu Univ., Korea), Jeong-Sook Park(Nambu Univ., Korea), Byeong-Ho Joeng(Nambu Univ., Korea), Ji-Won Kim(Nambu Univ., Korea)
02. W-01\_19\_Analysis Case Management Performance in Local Welfare Center/  
Ji-Hyun Shin(Sookmyung univ., Korea), Su-Sun Park(Seowon Univ., Korea), In-Ju Song(Seoul Welfare Foundation, Korea)
03. W-01\_20\_Development of Hanji-bedclothes fabric which paper yarn is used/  
Jin-Hee Choi(Jeonju Univ., Korea)
04. W-01\_21\_A Study on Job Satisfaction, Job Expertise and the organizational commitment of Dedicated Workers in Multicultural Family Comprehensive Information Telephone Center (Danuri call center)/  
Moo Young Lee(Daeduk College, Korea), Su Sun Park(Seowon Univ., Korea), Ki-Jung Kang(Baekseok Univ., Korea)
05. W-01\_22\_A Study on Differences in Perceived Satisfaction of Physical Environment of Dragon Boat Festival at Waterfront by the Levels of Participation and Nationality/  
Sungduck Kim(Baekseok Univ., Korea), Jongchul Park(German Sport University Cologne, Germany)
06. W-01\_24\_Structural Relationship between Trust-Forming Factors, Leader Trust, University Trust, University Satisfaction, and Maintenance of Relationship in Respect of University Liberal Physical Education Class/  
Kye-Sok Lee(Jeonju Univ., Korea), Seung-Yong Kim(Hanyang Univ., Korea)
07. W-01\_28\_Influence of Role Stress on Self-efficacy and Creativity -focus on Airline Flight Attendants/  
Seon-Hee Ko(Seowon Univ., Korea)
08. W-01\_30\_Effects of Green Tea Intake and Flexible Exercise on Oxidative Stress and Catecholamines/  
Soon-Gi Beak(Jungwon Univ., Korea), Do-Jin Kim(Bucheon Univ., Korea)
09. W-01\_31\_Effect of Image Making Training on Department Brand Image, Self Esteem and Loyalty/  
Seon Hee Ko(Seowon Univ., Korea)
10. W-01\_32\_Relationship between Cardiopulmonary Function and Metabolic Syndrome Indices/  
Do Jin Kim(Bucheon Univ., Korea), Jong Hyuck Kim(Jungwon Univ., Korea)

01. W-01\_33\_Relationship among Fun Factor, Exercise Immersion and Exercising Continuation of Golfer Through Convergence/  
Hong Young Jang(Sungkyul Univ., Korea)
02. W-01\_34\_A Comparison Analysis of cardiorespiratory functional capacity in Wheelchair treadmill and Arm ergometer GXT Test in Wheelchair using Disabled and Nondisabled/  
Hong-Young Jang(Sungkyul Univ., Korea), Jong Hyuck Kim(Jungwon Univ., Korea)
03. W-01\_35\_The Effects of Injury Types on Depression and Mental Health of South Korean Adults/  
Young-Chul Lee(Seojeong College, Korea), Sang-Sub Park(Chungcheong Univ., Korea)
04. W-01\_50\_Effects of Nordic Walking to walking Muscle Strength for joint disease/  
jiwoo CHOI(Leipzig Univ., Germany)
05. W-01\_53\_Study on the Market Size Estimation of Assistive Technology Devices for ICT in Korea/  
Mi-Jung Kim(Jungwon Univ., Korea)
06. W-01\_57\_The effects on motor coordination of the rope-jumping education using psychomotor intervention for a child with Autism Spectrum Disorder/  
Ki Chon Jeong(Korea Nazarene Univ., Korea), Jae Keun Shin(Korea Nazarene Univ., Korea), Young Min Kim(Korea Nazarene Univ., Korea)
07. W-12\_18\_Analysis: How Open Market Comments Affect the Consumers –Focusing on the comparison between negative comments and shop category–/  
Yi Seul Choi(Chungbuk Nat'l Univ., Korea), Sang Hyun Choi(Chungbuk Nat'l Univ., Korea)
08. W-12\_23\_A Study on Invigoration of Hot Spring Tourism for Asan City from the big data Analysis/  
Hong Jin(School of Business,Jiangxi Normal Univ., China), Guozhong Li(Kunming University of Science and Technology, China), Seong Taek Park(Chungbuk Nat'l Univ., Korea)
09. W-12\_24\_A Study on the Patent Valuation Factors: Focus on China Industry/  
Hong Jin(School of Business,Jiangxi Normal Univ., China), Guozhong Li(Kunming University of Science and Technology, China), Seong Taek Park(Chungbuk Nat'l Univ., Korea)
10. W-12\_25\_Study on Identification by Usage Pattern of User in Mobile Device Environment/  
Hyung-Jin Mun(BaekSeok Univ., Korea), Kun-Hee Han(BaekSeok Univ., Korea), Seung-Hee Lee(Kumoh Nat'l Institute of Technology, Korea)