

2019 The 10th International Conference on Systematic Innovation (ICSI)

Presentation Guidelines

1. To find the TIME AND LOCATION of the session if you have a PRESENTATION or are the SESSION CHAIRS;
2. The time for oral presentation is 12 minutes followed by 3-minute questions and answers (Q & A) session;
3. Please be in smart casual and arrive at their presentation venue at least 15 minutes prior to designated session.
4. Please save your presentation file in a USB memory stick rather than connect your own laptop.
5. Please give your presentations in Microsoft PowerPoint or Adobe Acrobat Reader.

2019 The 10th International Conference on Systematic Innovation (ICSI)

ICSI Parallel Sessions

Sessions for Tuesday, **09th July 15:00-17:00**

Location: Seminar **Room 3**, South Campus Teaching Hub (SCTH) Building

Time	ID	Paper Title	Author(s)
15:00-15:15	7	Is TRIZ a new catalyst for creative AI?	Aleksei Ruin, Andrii Konovalenko
15:15-15:30	9	Conceptual foredesign of functional systems	Evgeniy Smirnov
15:30-15:45	10	Research on Technology-function Matrix Construction for Patent Layout	Chuan He, Runhua Tan, Peng Shao, Wendan Yang
15:45-16:00	69	Analyzing Environmental Continuous Improvement (e-CI) in Japanese Manufacturing Industry by Data Envelopment Analysis	Rena Ohara, Koichi Murata
16:00-16:15	28	An Integrated TRIZ-Based Approach to Product Innovation for Collaborative Design Process	Tien-Lun Liu, Ming-Cheng Tsai
16:15-16:30	27	A systematic approach for achieving sustainability-oriented innovation in Indonesia: An empirical study	Budi Harsanto, Niraj Kumar, Yuanzhu Zhan, Roula Michaelides
16:30-16:45	70	A Fundamental Study on Evaluation of Work Sharing Plan by Analytic Hierarchy Process	Shigemasa Kasahara, Koichi Murata
16:45-17:00	18	Applying Lean Sigma approach to develop an innovative Write Test Machine (iWTM) in Testing, Inspection and Certification Industry	C. H. Li, S. L. MAK, S. K. LAW, W. H. SZE, Fanny TANG
17:00-17:15	25	Strategic Approach for the Implementation of New ISO/IEC 17025:2017 Quality Management Systems: A Review on Risk Management and Data Management	Fanny Tang, SL Mak, Jimmy Li

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15:00-15:15	16	Nuclear Fusion in a Quintuple Helix Innovation Ecosystem	Elias G. Carayannis, John Draper, Ion A. Iftimie
15:15-15:30	79	Linking Managerial Coaching with Innovative Work Behaviors of Employees through Affective Supervisory Commitment	Muhammad Ali, Basharat Raza, Nazish Imtiaz
15:30-15:45	14	User-driven Innovation, Dynamic Capability and Business Model Evolution of the Tea supply Chain	Yanhua Sun, Yufang Zhang, Yu Gong
15:45-16:00	15	Exploring a Social Media Crowdsourcing Data-Driven Approach for Innovation	Hannah Forbes, Ji Han, Dirk Schaefer
16:00-16:15	21	The Impact of Social Media on Value Co-creation in Sporting Event	Haoyu Liu, Kim Hua Tan, Kulwant Pawar
16:15-16:30	22	Re-evaluating Customer Feedback: The Gap between Online Product Ratings and The Expressions of Sentiment in Review Contents	Youngseok Choi, Yu-Lun Liu, Changwoo Suh, Jiayao Hu
16:30-16:45	11	Health 4.0: How Digitisation Drives Innovation in the Healthcare Sector	Bahar Khayamian Esfahani, Melania Bause, Dirk Schaefer
16:45-17:00	83	The impact of entrepreneurship education on entrepreneurial intentions among students in Pakistan	Muhammad Ali, Yasir Iftikhar, Sarmad Ejaz, Rizwan Danish, Fawad Ali
17:00-17:15	76	A new way to classify physical effects based on Wikipedia	Pei Zhang, Denis Cavallucci, Cecilia Zanni-Merk

2019 The 10th International Conference on Systematic Innovation (ICSI)

Sessions for Wednesday, **10th July 14:10-17:00**

Location: **Seminar Room 3, South Campus Teaching Hub (SCTH) Building**

Time	ID	Paper Title	Author(s)
14:10-14:25	45	Exploring and Evaluating Pressure Measurement Methods for Food Extrusion in Cake Decoration with Systematic Innovation Method	Jo-Peng Tsai, Yu-Gang Chen, Min-Fa Chiu
14:25-14:40	8	Reverse Effect and Resource Database	Yu-Shuo Fan, Dongliang Daniel Sheu
14:40-14:55	60	Prioritized Effect Identification for Problem Solving Based on Fuzzy Identification	Jealousy Hong, D. Daniel Sheu, MC Chiu
14:55-15:10	38	New Approach to Respiratory Rate Measurement using TRIZ	TriZit Benjaboonyazit, Tayard Desudchit
15:10-15:25	47	Design Development for Pressure Vessel Product Using Fuzzy QFD, DEA and TRIZ	Mei-Hwa Chen, Hsin Rau, Po-Tsang Huang
15:25-15:40	57	Development of a Portable Seating Assist Device	Yu-Gang Chen, Jo-Peng Tsai
15:40-16:00	<i>Coffee Break</i>		
16:00-16:15	49	A Methodology to identify noise that causes tinnitus	Shan Yang Wang, Chia-Nian Shyi
16:15-16:30	54	Integrating Systematic Innovation Method and Fuzzy Markup Language on the Application of the Pastry Tips Selection	Jo-Peng Tsai, Li-Wei Chen, Sung-Bao Yang
16:30-16:45	59	Systematizing Application Range of Visual Management by Advanced Digital Technologies	Koichi Murata
16:45-17:00	71	A Study on Systematic Design of Key Performance Indicators in the Era of Internet of Things	Takahiro Tamura, Koichi Murata
17:00-17:15	87	Measuring Wine Preferences by Ensemble Learning from physicochemical properties	Shuai Luo, Rui Ma, Yichuan Wang, Minhao Zhang

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Time	ID	Paper Title	Author(s)
14:10-14:25	34	Employee aging, workforce diversity and two modes of innovation	Jisung Park, Seongsu Kim
14:25-14:40	44	Mass-Engineer-Invention Driving Innovation: A Pattern of Technology Transfer For Low Cost Innovation In Industries In China	Runhua Tan, Junlei Zhang, Xiangdong Li, Qian Xin
14:40-14:55	77	The State of New Product Introduction Delays: A Systematic Literature Review and Guidance for Future Research	Matt Mitchell
14:55-15:10	46	From optimization till contradictions resolution related to the process of machining composite materials	Hicham Chibane, Sébastien Dubois, Roland De Guio
15:10-15:25	68	Development of Online Collaboration Tools (OCT) for Collaborative Innovation Design	Zhao Yu, Zhi-nan Zhang
15:25-15:40	84	On the Policy Orientation of CPEC in Pakistan: A Cynical View	Zafar Amad
15:40-16:00	<i>Coffee Break</i>		
16:00-16:15	74	An analysis of port competition from hinterland transport chain perspective	Jiajia He, Dongping Song, Andrew Lyons
16:15-16:30	19	A Study on Application of Additive Manufacturing in Testing and Certification Industry	S. L. Mak, W. F. Tang, C. H. Li, H. K. Lau
16:30-16:45	82	Organizational learning capability, innovation and performance: study in small and medium-sized enterprises (SMEs)	Shahid Hafeez, Hafiz Fawad Ali, Rizwan Qaiser Danish
16:45-17:00	85	The decade of innovation method in China: experience, challenges and prospects	Haiyan Wang, Hongli Liang
17:00-17:15	20	Patent Circumvention Strategy Based on CAFÉ-TRIZ ——A Case on Wire Guide Holder	Wei YAO, Zhaowei CHU, Shunshun HU, Xu HAN

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Sessions for Thursday, **11th July 09:00-10:30**

Location: **Seminar Room 3, South Campus Teaching Hub (SCTH) Building**

Time	ID	Paper Title	Author(s)
09:00-09:15	63	Testing the impact of Systematic Innovation training in the NHS	John Sainsbury, Pauline Found, John Bicheno, Darrell Mann
09:15-09:30	65	A Strategic Innovation Model of Innovation	Paul Frobisher
09:30-09:45	66	TRIZ Learning from Teaching	Paul Frobisher
09:45-10:00	80	Application of TRIZ on Multifunctional integrated desk and chair	Pei-Hsi Liu , Zheng Hao Chen, Meng Wei Ye , Zi-Qi Liu, Chen-Hui Wu, Xie-Zhi Sheng
10:00-10:15	31	TRIZ Based Systematic Patent Circumvention and Regeneration Methods	D. Daniel Sheu, Yao-Ting Wang
10:15-10:30	81	The 7 Pillars of TRIZ++ Philosophies	D. Daniel Sheu, Dimitri Cayard, M.C. Chiu
10:30-10:45	72	Two Aspects of Function for Technical System	Yong Won Song

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09:00-09:15	43	A New Process Model for Technology Forecasting	Kang Wang, Runhua Tan, Wendan Yang, Jianguang Sun, Mengyu Chen
09:15-09:30	61	An Innovative Improvement Case Study for Traffic Regulation Activity of Military Camp Opening to the Public	Lin Youn-Jan, Jo-Peng Tsai, Jyhjeng Deng, Lin-Wei Kao, Cheng-Tai Chuang
09:30-09:45	35	Process of Making Aerated Concrete with Predetermined Density	Jyhjeng Deng, Youn-Jan Lin, Jo-Peng Tsai, Teng-Hsuan Lin
09:45-10:00	29	Cross-board Detection Based on Convolutional Neural Network	Yih-Lon Lin, Yu-Min Chiang, Hsiang-Chen Hsu
10:00-10:15	30	Joint optimization of tank container over-holding policy and flow network to achieve innovative tactical decision-making	XINJIE XING, DONGPING SONG, PAUL DRAKE
10:15-10:30	73	The Impact of Flexible Retrievals on Import Container Relocation at Container Terminals	Yuanjun Feng, Dongping Song, Dong Li, Qingcheng Zeng
10:30-10:45	86	Determinants of board structure and its impact on firm performance: An evidence of SMEs sector in Pakistan	Shrafat Ali Sair, Rizwan Qaiser Danish, Ejaz Hussain, Hafiz Fawad Ali

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Posters

No.	Poster Title	Author(s)
32	The Subconscious Projection and Its Creativity	Shwi Chun Wang, Shan-Yang Wang
39	A Novel Approach on Polygonal Turning	Wei-Fang Chen, Jung-Nan Chiu, Chia-Chien Liu
40	Innovative Parametric Drawing Design of Roots Blower with Multi-Blade Circular Impeller	Wei-Fang Chen, Sheng-Ting Chou
41	An Innovative Graphical Design of Two-Circular Groove and Forming Wheels	Wei-Fang Chen, Ya-Lin Shen
42	An Innovative Design of the Parameter Profile for Rotary Pump	Wei-Fang Chen, Feng-Jen Lai, Zhi-Zhe Pan
48	Use TRIZ to design a multifunctional flashlight	Shan Yang Wang, Chia-Nian Shyi
50	Design of Steel Cut Planning System Base on TRIZ	Shan Yang Wang, Chia-Nian Shyi
51	Use TRIZ to develop a device that can ease scalp	Shan Yang Wang, Shwi Chun Wang
52	Design of Steel structure processing system	Shan Yang Wang, Shwi Chun Wang
53	Integrate animal instinct to Substance-Field Analysis	Shan Yang Wang, Shwi Chun Wang
55	Applying Systematic Innovation Method on the Design of Cooler Bag for Free Gift with Purchase of Product Marketing	Jo-Peng Tsai, Chia-Ying Lin
56	Innovation and Added-Value of Extruded Material in Cake Decoration with MPV and Trend Analysis	Jo-Peng Tsai, Ching-Jun Huang
67	Innovation and Feasibility Evaluation of Healthy Beverage with Local Agricultural Product based on Morphological Matrix Method	Jo-Peng Tsai, Jyhjeng Deng, Youn-Jan Lin
89	The Expansion of QFD theory based on Chinese culture and its application in innovative design	Wei Xiong

The 10th International Conference on Systematic Innovation (ICSI) &
The 9th Global Competition on Systematic Innovation (GCSI)