

# 2019 The 10<sup>th</sup> International Conference on Systematic Innovation

## PAPER COMPETITION WINNERS

### I: Technical Aspects of Systematic Product/Process/Service Innovation

<b>First prize</b>	31	TRIZ Based Systematic Patent Circumvention and Regeneration Methods	D. Daniel Sheu, Yao-Ting Wang
<b>Second Prize</b>	8	Reverse Effect and Resource Database	Yu-Shuo Fan, D. Daniel Sheu
<b>Third Prize</b>	60	Prioritized Effect Identification for Problem Solving Based on Fuzzy Identification	Jealousy Hong, D. Daniel Sheu, MC Chiu

### II: Strategic & Business Aspects of Systematic Product/Process/Service/Organizational Innovation

<b>First prize</b>	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
<b>Second Prize</b>	28	An Integrated TRIZ-Based Approach to Product Innovation for Collaborative Design Process	Tien-Lun Liu, Ming-Cheng Tsai
<b>Third Prize</b>	65	A Strategic Innovation Model of Innovation	Paul Frobisher

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### III: Integration of Innovation Methods with Artificial Intelligence (AI), Internet of Things (IoT), Smart Manufacturing, or Computer-Aided Innovation (CAI)

<b>First prize</b>	46	From optimization till contradictions resolution related to the process of machining composite materials	Hicham Chibane, Sébastien Dubois, Roland De Guio
<b>Second Prize</b>	7	Is TRIZ a new catalyst for creative AI?	Aleksei Ruin, Andrii Konovalenko
<b>Third Prize</b>	68	Development of Online Collaboration Tools (OCT) for Collaborative Innovation Design	Zhao Yu, Zhi-nan Zhang

### IV: Other new tools, theories, and applications related to systematic innovation or CAI.

<b>First prize</b>	30	Joint optimization of tank container over-holding policy and flow network to achieve innovative tactical decision-making	XINJIE XING, DONGPING SONG, PAUL DRAKE
<b>Second Prize</b>	47	Design Development for Pressure Vessel Product Using Fuzzy QFD, DEA and TRIZ	Mei-Hwa Chen, Hsin Rau, Po-Tsang Huang
<b>Third Prize</b>	69	Analyzing Environmental Continuous Improvement (e-CI) in Japanese Manufacturing Industry by Data Envelopment Analysis	Rena Ohara, Koichi Murata