

## Tuesday October 30th 2018

09:00	<b>"Implementing TRIZ at GE Research: the Long-term View"</b> <i>Dr. Martha Gardner, GE</i>		
09:40-10:00	Amphi Art & Industries <i>Session Chair: Pavel Livotov</i>	Amphi Vinci xPERT-O, a collaborative tool to enlighten key challenges in a complex situation <i>Xavier Lepot, Axel Neveux, Stéphane Badts, Yves Guillou, Séverine Baudrux and Nadia Lelandais</i>	Amphi Arp Study on establishing Functional Periodicity of new products based on TRIZ <i>Yafan Dong, Peng Zhang, Runhua Tan, Wei Liu and Ruiqin Wang</i>
10:00-10:20	<b>Software TRIZ network analysis and group working</b>	Implementation Process of Low-end Disruptive Innovation based on OTSM-TRIZ <i>Yu Wang, Runhua Tan, Jianguang Sun and Kang Wang</i>	Towards a conceptual design and semantic modeling approach for innovative modular products <i>Cherif Ahmed Tidiane Aidara, Amadou Coulibaly, Serigne Diagne and Khalifa Gaye</i>
10:20-10:40		Ways of an estimation of efficiency of intermediate and final decisions at target invention by means of software Solving Mill and technologies OTSM-TRIZ «Networks of flows of problems» <i>Nikolay Shpakovsky and Anton Karlov</i>	Discovery on purpose? Paradigm theory from the perspective of TRIZ <i>Justus Schollmeyer and Viesturs Tamuzs</i>
			<b>Design theory</b>

### Coffee break @ "Espace Œuf"

11:00-11:20	TRIZ as general problem solving tool in secondary school teaching <i>Hans Baaijens and Christoph Dobrusskin</i>	Design entity recognition for Bio-inspired Design supervised state of the art <i>Davide Russo, Pierre-Emmanuel Fayemi, Paolo Carrara and Giacomo Bersano</i>	<i>Session Chair: Amadou Coulibaly</i>
11:20-11:40	TRIZ for University Career Development Education <i>Kiyohisa Nishiyama</i>	Automatic knowledge extraction from scientific articles and specialized blogs <i>Oriane Nédey, Achille Soulli and Denis Cavallucci</i>	<b>Text mining</b>
11:40-12:00	Sustainable Education in Inventive Problem Solving with TRIZ and Knowledge-Based Innovation at Universities <i>Iouri Belski, Denis Cavallucci, Claudia Hentschel, Kai Hiltmann, Norbert Huber, Karl Koltze, Pavel Livotov, Konstantin Shukhmin and Christian Thurnes</i>	Text simplification of patent documents to improve information extraction <i>Jeongwoo Kang, Achille Soulli and Denis Cavallucci</i>	
12:00-12:20	Solving Lab : Inventive problem-solving laboratory <i>Carine Frerard, Vincent Lenaerts, Bernard Rausin and Xavier Lepot</i>	Facilitating Engineers abilities to solve inventive problems using CBR and Semantic similarity <i>Pei Zhang, Denis Cavallucci, Zhonghang Bai and Cecilia Zanni-Merk</i>	

### Lunch @ "Salle Expo"

14:00	<b>"Creative A.I. as an Equal Partner of Inventors"</b> <i>Dr. Valeri Tsourikov</i>		
14:40-15:00	Cause and effect / Reliability <i>Session Chair: Mansour Ashiani</i>	A TRIZ-based Behavioral Modeling of Technological Systems <i>Victor Fey</i>	Emergence of contradiction outcome from multi-users requirements <i>Jean Renaud, Remy Houssin, Mickael Gardoni and Mhamed Nour</i>
15:00-15:20		Application of Selected TRIZ Instruments in Reliability Engineering <i>Maksymilian Smolnik and Robert Pilch</i>	Modelling CECA diagram as a state machine <i>Jerzy Chrzyszcz</i>
15:20-15:40	<b>Case study &amp; analysis</b>	TRIZ Super-Effect Analysis and Secondary Conflict formulation as part of a structured technology development learning cycle <i>John Cooke</i>	Automatic extraction and hierarchization of system of contradictions out of a Design of Experiments <i>Sebastien Dubois, Hicham Chibane, Roland De Guio and Ivana Rasovska</i>
15:40-16:00		Computer aided collaborative patent evolution analysis <i>Mijeong Song, Eunyoung Cho, Kunwoo Baek and Dongsub Jang</i>	Combining the theory of inventive problem solving with discrete event simulation for solving supply chain problems <i>Fatima Zahra Ben Moussa, Sebastien Dubois, Roland De Guio, Ivana Rasovska and Benmoussa Rachid</i>

### Coffee break @ "Espace Œuf"

16:20-16:40	Case study <i>Session Chair: Viktor Fey</i>	Development of Automobile Light Guide for Lighting Image Enhancement Using Retro-Reflection Principle <i>Hyeongseon Kim, Kyeongwon Lee, Hyeong Un No and Gun Soo Jin</i>	A TRIZ-based method for creative design driven by knowledge fusion <i>Wei Liu, Runhua Tan, Limeng Liu and Yafan Dong</i>	<i>Session Chair: Rémy Houssin</i>
16:40-17:00		Multiphysics Analysis of Power Electronics Phase Module using TRIZ <i>Tiziana Bertonecchi, Jorge Mari and Oliver Mayer</i>	Innovative Design Thinking Process with TRIZ <i>Kyeongwon Lee</i>	<b>Teaching TRIZ</b>
17:00-17:20		Environmental Problems and Inventive Solution Principles in Process Engineering <i>Pavel Livotov, Arun Prasad Chandra Sekaran, Mas'Udah, Arailym Sarsenova and Shahin Sayyareh</i>	Parameter Deployment and Manipulation for Solving Physical Contradictions: A Unified Theory and set of Methods <i>D. Daniel Sheu and Rachel Yeh</i>	

## Gala dinner at Restaurant "Les Haras" (19h-23h)