

## Sunday October 28th 2018

<b>17:00</b>	<b>Registration</b>
<b>19:00</b>	Welcome evening reception - Espace Œuf - INSA
<b>21:00</b>	

## Monday October 29th 2018

<b>08:30</b>	<b>Registration</b>	
<b>09:00</b>	<div style="border: 1px solid black; border-radius: 5px; padding: 2px; display: inline-block; margin-bottom: 5px;">E109</div> <p><b>Beginners tutorial :</b>  <b>"How run effective INVENTIVE PROBLEM SOLVING session using TRIZ"</b>            Nina Defounga - Thomas Nagel</p>	<div style="border: 1px solid black; border-radius: 5px; padding: 2px; display: inline-block; margin-bottom: 5px;">E111</div> <p><b>Advanced tutorial :</b>  <b>"Algorithm for Inventive Problem Solving (ARIZ-85C)"</b>            Isak Buckhman</p>

**12:00** Lunch @ "Salle Expo"

<b>14:00</b>	<b>Opening Ceremony - Amphi Art &amp; Industries</b> Lilla Marabet - Nicolas Matt - Marc Renner - Sebastian Koziolk - Denis Cavallucci - Roland De Guio - Jean-Marc Voirpin
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<b>14:40</b>	<b>"Value Innovation and TRIZ activities at Samsung Electronics"</b> <i>Dr. Dong-Seob Jang, VIP Center, Samsung Electronics</i>
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**Coffee break @ "Espace Œuf"**

<b>16:20-16:40</b>	<i>Session Chair:</i> <b>Mijeong Song</b>	<div style="border: 1px solid black; border-radius: 5px; padding: 2px; display: inline-block; margin-bottom: 5px;">Amphi</div> <p><b>Vinaigrette Variations</b>  <i>Christoph Dobrusskin and Loes Wijnoltz</i></p>	<div style="border: 1px solid black; border-radius: 5px; padding: 2px; display: inline-block; margin-bottom: 5px;">Amphi</div> <p><b>Agile' TRIZ Framework: towards the integration of TRIZ within the Agile Innovation Methodology</b>  <i>Didier Casner, Achille Souili, Rémy Housin and Jean Renaud</i></p>	<i>Session Chair:</i> <b>Claudia Henschel</b>
<b>16:40-17:00</b>	<b>TRIZ teaching</b>	<b>LOBIM – a computer game based training for inventive principles</b>  <i>Nick Eckert</i>	<b>TRIZ – Develop or Die in a World of Velocity, Uncertainty, Complexity and Ambiguity.</b>  <i>Martin Kiesel and Hammer Jens</i>	<b>Agile Design, lean &amp; TRIZ</b>
<b>17:00-17:20</b>	<b>TRIZ teaching</b>	<b>Investigating the capabilities of TRIZ to achieve organizational ambidexterity</b>  <i>Johannes Hofweber, Armin Lau, Oana Buliga and Julian Müller</i>	<b>On the efficiency of TRIZ application for the intensification of processes involving solids handling through case studies evaluation</b>  <i>Pavel Livotov, Mas'Udah and Arun Prasad Chandra Sekaran</i>	
<b>17:20-17:40</b>	<b>Special Talk by Prof. Tan:</b> <b>Overview of Academical TRIZ in China (Amphitheater Art &amp; Industries)</b>			
<b>Wine tasting at "Hospices de Strasbourg" (18h30-20h)</b>				

## 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 Ruiqi 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>Session Chair: Kai Hiltmann</i> <i>Hans Baaijens and Christoph Dobrusskin</i>	Design entity recognition for Bio-inspired Design supervised state of the art <i>Daive 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)

# Wednesday October 31st 2018

09:00	<b>"Roadmap and Opportunities for Research and Applications with Systematic Innovation"</b> <i>Professor Daniel Sheu</i>			
09:40-10:00	Session Chair: <b>Mickael Gardoni</b>	<b>Amphi Vinci</b> Method of Design Transformer Based on Multiple Scenario <i>Jinpu Zhang, Huangao Zhang, Runhua Tan, Guozhong Cao and Jianguang Sun</i>	<b>Amphi Arp</b> Application of standard solution to man-machine-environment coupling effect <i>Junlei Zhang, Runhua Tan and Guozhong Cao</i>	Session Chair: <b>Daniel Sheu</b>
10:00-10:20	Methodological development	Triz in ecodesign: an alternative in the choice of environmental solutions without pollution transfer <i>Ahmed Cherifi and Mickael Gardoni</i>	Innovative technical creativity methodology for Bio-Inspired Design <i>Pierre-Emmanuel Fayemi, Martin Gilles and Claude Gazo</i>	Problem solving Theory and biomimetics
10:20-10:40		Formula of the concepts definition <i>Evgeniy Smimov</i>	An ontology of biomimetics based on TRIZ <i>Julian Vincent and Denis Cavallucci</i>	

## Coffee break @ "Espace Œuf"

11:00-11:20	Session Chair: <b>Runhua Tan</b>	TRIZ Evolutionary Trends in E-commerce Business <i>Kangrok Lee and Thanhbinh Dao</i>	TRIZ and Intellectual Property to strengthen the start up spirit <i>Pascal Sire, Eric Prevost, Yves Guillou, Alain Riwan and Pierre Saulais</i>	Session Chair: <b>Kyeongwon Lee</b>
11:20-11:40	Evolution trends & dissemination of TRIZ	TRIZ methods applied to the analysis of disruption in the marketplace <i>Michael Ohler, Phil Samuel, Riaan Brits and Andrea Beert</i>	Market complexity evaluation to enhance the effectiveness of TRIZ outputs <i>Paolo Carrara, Davide Russo and Anna Rita Bennato</i>	Innovation & TRIZ
11:40-12:00		World TRIZ Sites Project for Building and Maintaining a Compendium of Global TRIZ Resources <i>Toru Nakagawa, Darrell Mann, Michael Orloff, Simon Dewulf, Simon Litvin and Valeri Souchkov</i>	Method of innovation assessment of products and processes in the initial design phase <i>Sebastian Koziolęk, Bartosz Pryda and Marek Mysior</i>	
12:00-12:20		Standard VDI 4521 "Inventive Problem Solving With TRIZ" Completed <i>Kai Hiltmann, Christian Thumes, Robert Adunka and Daniela Hein</i>	A feedback on an industrial application of the FORMAT methodology <i>Roland De Guio, Sebastien Dubois and Aurélien Brouillon</i>	

## Lunch @ "Salle Expo"

14:00	<b>"Development of an ontology of biomimetics based on Altshuller's Matrix"</b> <i>Professor Julian Vincent</i>			
14:40-15:00	Session Chair: <b>Pascal Sire</b>	How to introduce TRIZ in a innovation department and increase the production of innovative solution <i>Dominique Font</i>	Convergence and contradiction between Lean and Industry 4.0 for inventive design of smart production <i>Rabih Slim, Rémy Houssin and Amadou Coulibaly</i>	Session Chair: <b>Roland De Guio</b>
15:00-15:20	Patent analysis & development	Strategic Patent Development Using TRIZ and Patent Information in Industry <i>Sehoon Cho and Kyeongwon Lee</i>	GamiTRIZation - Gamification for TRIZ education <i>Claudia Hentschel, Christian Thumes and Frank Zeihsel</i>	TRIZ within another method
15:20-15:40		Innovation lab: how to generate patents in one day <i>Davide Russo, Paolo Carrara and Matteo Marusi</i>	Learning TRIZ with an application on case studies <i>Thomas Nagel, Henryk Stöckert and Nina Defounga</i>	

## Coffee break @ "Espace Œuf"

16h	Closing ceremony and annual ETRIA member's meeting (end 17h30)
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