<table>
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<th>Time</th>
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<td>8.00 – 14.00</td>
<td>Registration</td>
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<td>8.45 – 9.00</td>
<td>Introduction to the tutorials session</td>
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| 9.00 – 10.30 | **Tutorial 1:** *An Introduction to Systematic Problem Solving for Industry*  
|          | - Root Cause Analysis, Menachem Horev                                   |
|          | - Theory of Constraints, Thinking Process, Rony Mann                      |
| 10.30 – 11.00 | Coffee break                                                            |
| 11.00 – 12.30 | **Tutorial 1** (Part 2) *An Introduction to Systematic Problem Solving for Industry*  
|          | - Introduction to TRIZ for Industry, Pavel Livotov                       |
|          | **Tutorial 2:** *Planning the Implementation of TRIZ in Companies or Government organisations*  
|          | - Ellen Domb                                                            |
| 12.30 – 13.30 | Lunch break                                                             |
| 13.30 – 14.15 | Official Opening of the conference                                       |
|          | Pat Coman, Introduction and welcome from ITT Dublin (15 mins)            |
|          | Tom Vaneker, Introduction and welcome from ETRIA (15 mins)               |
|          | Mr. Pat McLaughlin, ITT Dublin President, Official Conference Opening (15 mins) |
| 14.15 – 15.00 | Keynote: Mr. Barry Kennedy, CEO ICMR (Irish Centre for Manufacturing Research) and I2E2 (Innovation for Irelands Energy Efficiency)  
|          | **The Advanced Manufacturing Challenge: Has anyone somewhere somehow already solved a problem like this before?** |
| 15.00 – 15.30 | Coffee break                                                            |
| 15.30 – 16.15 | Keynote: Ms. Mijeong Song, Ph.D. (Director, CTO Office, SAIT, Samsung Electronics, Korea)  
|          | **TRIZ in Samsung, Yesterday, Today and Tomorrow**                      |
16.30 – 18.00 Paper session 1

**Track 1 (Scientific track – long presentations)**

**Sequential experimentation to perform the Analysis of Initial Situation**  
Luc Burgard, Sébastien Dubois, Roland De Guio, Ivana Rasovska

**Preliminary studies on human approaches to inventive design tasks with a TRIZ perspective**  
Yuri Borgianni, Gaetano Cascini, Federico Rotini

**A variety metric accounting for unbalanced idea space distributions**  
Paul-Armand Verhaegen, Dennis Vandevenne, Jef Peeters, Joost R. Duflou

**Track 2 (Practitioners track – long presentations)**

**Main parameters of value analysis as a cornerstone of innovation**  
Andrey Efimov

**TRIZ marriage with TOC delivers improved product**  
Rony Mann, Gregory Frenklach

**2A2CI: A systematic approach to implement TRIZ innovation in SME**  
Xavier Lepot, Axel Neveux

18:10 Transport to Hotel

19.30 Buffet Dinner + entertainment at Louis Fitzgerald Hotel
Day 2 - November 2 2011 (09.00-17.30)

8.30 – 9.00  Registration
8.45 – 9.00  Introduction and announcements  Pat Coman

09.00 – 09.45  Keynote: Leonid S. Chechurin, Prof., Dr. of Science, Innovation Theory; Dept. Head (St.Petersburg State Polytechnical University, RUSSIA) and Research Fellow for Dipartimento di Meccanica (Politecnico di Milano, ITALY)
Creativity “in” the Exact Science

10.00 – 11.00  Paper Session 2

Track 3 (Practitioners track - 4 short presentations)

The development of concepts for the control of tip clearance in Gas turbine HP compressors using TRIZ
G.I.Ekong, C. A. Long, N. R. Atkins, P. R. N. Childs

Matching and merging TRIZ and post-TRIZ evolutionary theories of technological change
Giuseppe Carignani

Component Misplacement Prevention on the ICOS Tape & Reel process using TRIZ & Lean
Darin Moreira

Problem solving in everyday life: On methods and tools for weeding (or removing weeds)
Toru Nakagawa and Takahisa Miyake

Track 4 (Scientific track - 2 short presentations)

Restoring TRIZ approach to ease a technology transfer
Pierre-Emmanuel Fayemi, Pascal Crubleau, Simon Richir

“Self-expandable” TRIZ contradiction matrix
Nikolay Bogatyreva, Olga Bogatyreva

11.00 – 11.30  Coffee break

11.30 – 13:00  Paper session 3

Track 5 (Scientific track - 3 long presentations)

What can we learn from biological systems when applying the law of system completeness?
Yael Helfman Cohen, Yoram Reich, Sara Greenberg

Evolution Predictability, Lamarck, Altshuller, Darwin and Chaos
Ido Lapidot, David W. Conley

About Integration Opportunities Between TRIZ and Biomimetics for Inventive Design
Alessandro Baldussu, Gaetano Cascini

Track 6 (Practitioners track - 3 long presentations)

“A study of Effective Manufacturing Activities” based on a Number of Redesigned Contradiction Matrices”
Manabu Sawaguchi, Yuji Mihara, Heikan Izumi

OTSM express analysis of an initial situation
Nikolai Khomenko, Hongyul Yoon

A Journey Of FMEA Approach Through TRIZ Methodology
Nagappan Annamalai
13:00 – 14:00  Lunch Break

14:00 – 15.30  Paper session 4

Track 7 (Scientific track - 3 long presentations)

A Method for Facilitating Inventive Design Based on Semantic Similarity and Case-Based Reasoning
Wei Yan, Cecilia Zanni-Merk, François Rousselot, Denis Cavallucci

Learning TRIZ: Impact on confidence when facing problems
Jennifer Harlim, Iouri Belski

Web-Based Asynchronous Distance Education in New Product Development and Inventive Problem Solving for Industrial Companies
Pavel Livotov

Track 8 (Practitioners track - 3 long presentations)

Systematic creativity techniques for continuous process improvement
Ivan Masin, Pavel Jirman

“Proposal for an effective cost reduction method based on TRIZ
Heikan Izumi, Hideaki Koike, Manabu Sawaguchi

First evolutionary step towards innovation using the law of system completeness
Dalia Zouaoua-Ragab, Pascal Crubleau, Denis Choulier, Simon Richir

15.30 – 16:00  Coffee break

16:00 – 17.30  Paper session 5

Track 9 (Practitioners track - 4 short presentations)

Applications of TRIZ tools in product & technology development for cooling compressors at ACC Austria
Walter Brabeka, Jürgen Jantschgib

Forecasting new business opportunities using the TRIZ evolution approach
Kyeongwon Lee

Study of a Functional Diagram to Facilitate the Effective Utilization of “Effects”
Koichi Makino, Manabu Sawaguchi

Application of TRIZ in the implementation of Predictive Maintenance in Manufacturing Environment
Paul Devaraj

Track 10 (Scientific track - 3 short presentations)

"Development of thinking skills" course: teaching TRIZ in academic setting
Sara Greenberg

Integrating TRIZ in project management processes: an ARIZ contribution
Helena V. G. Navas, Alexandra M. B. R. Tenera, Virgílio A. Cruz Machado

“The Lifeline” of Technical Systems in a TRIZ-LEAN Environment
Helena V. G. Navas, Virgílio A. Cruz Machado

17:40  Transport to Hotel

19.00  Departure from the hotel – Gala dinner
Day 3 - November 3 2011 (9.00-15.30)

8.00 – 09.00 Registration/Baggage Lockup etc

08:45 - 09:00 Introduction and announcements Pat Coman

09:00 – 09.45 Keynote: Dr. Eddie Commins (Manager, Applied Innovation Department, Enterprise Ireland)

The Importance of Discipline in Innovation

10.00 – 11.00 Paper session 6

Track 11 (Practitioners track - 4 short presentations)

Effective Test Handler Temperature Calibration Through TRIZ Approach
David Chew Chin Siang

The use of TRIZ tools in science journalism
Kalevi Rantanena

TRIZ Approach to Solve the metal fuse ion migration problem in semiconductor industry
Younghan Jeong, Jongsung Lee, Sunsoon Park

Innovation of the Axel! How TRIZ and other innovation tools can assist to innovate a several thousand years old product and a 300 years old company
Leonhard Müller, Jürgen Jantschgi

Track 12 (Practitioners track - 3 short presentations)

Considering User's Kando for Conceptual Design on CDSS
Ayano Sato, Hiroshi Hasegawa

Systematic Innovation and Identification of Ideas in Siemens
Jens Hammer, Dr. Robert Adunka

Development and Application of the Simple Contradiction Modeling and the Invention Song
Jeongho Shin

11.00 – 11.30 Coffee break

11.30 – 13:00 Paper Session 7

Track 13 (Scientific track - 3 long presentations)

Production processes modeling for identifying technology substitution opportunities
Nicolò Becattini, Gaetano Cascini, Pierluigi Petrali, Anna Pucciarini

Introducing Trimming and Function Ranking to SolidWorks based on Function Analysis
Leonid S. Chechurin, Wessel W. Wits, Hans M. Bakker, Tom H.J. Vaneker

A comparison of Classical TRIZ and OTSM-TRIZ in dealing with complex problems
Lorenzo Fiorineschi, Francesco Saverio Frillici, Paolo Risone
Track 14 (Practitioners track - 3 long presentations)

Learner-focused teaching applied to the use of resources in TRIZ problem solving
Ellen Domb, Joe A. Miller, Ralph Czerepinski

How to avoid resistances in TRIZ projects?
Barbara Gronauer

How to improve the evaluation of exhibits by partial application of TRIZ
Bohuslav Bušov, Pavel Jirman

13:00 – 14:00 Lunch break
14:00 – 15:00 Paper Session 8

Track 15 (Scientific track - 2 long presentations)

Starting from patents to find inputs to the Problem Graph model of IDM-TRIZ
Achille Souili, Denis Cavallucci, François Rousselot, Cecilia Zanni

FBOS: Function/Behaviour–Oriented Search
Tiziano Montecchi, Davide Russo

Track 16 (Scientific track - 2 long presentations)

Exploiting TRIZ tools in Interaction Design
Stefano Filippi, Daniela Barattin

TRIZ-evolution of Programming Systems
Victor Berdonosov, Tatiana Sycheva

15:00 – 15.30 Conference Close Pat Coman/Tom Vaneker
Transport to Dublin City Centre/Hotel

15.30 – 17:00 ETRIA Members meeting
Transport to Dublin City Centre/Hotel

Day 4 - November 4 2011 (10.00-13.00) – Optional Tutorial

Venue Synergy Centre, Institute of Technology Tallaght, Dublin 24
Room – Glasshouse

Tutorial Combining TRIZ with Other Innovation and Creativity Techniques and Psychological Assessments
- Jack Hipple