

TFC 2015 – TRIZ FUTURE 2015

Structured Innovation with TRIZ in Science and Industry - Creating Value for Customers and Society

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Editorial

The Theory of Inventive Problem Solving (TRIZ) – is an important factor in helping organizations manage their way through the challenges of technical and technological innovation. TRIZ is regarded today as one of the most comprehensive, systematically organized invention knowledge and creative thinking methodologies.

The European TRIZ Association (ETRIA) intends to function as a connecting link between scientific institutions, educational organization, industrial companies and individuals concerned with conceptual and practical questions pertaining to organization and processing of innovation knowledge. With this new publication, ETRIA is pursuing the following aims in accordance with its charter:

- Promotion of theoretical and applied research on structured innovation models, methodologies and tools with a focus on inventive design and creative problem solving;
- Promotion of exchanges among academic and industrial researchers with complementary background and research interests spanning from artificial intelligence to knowledge management, from design creativity to innovation and IP management;
- International observation, analysis, evaluation and reporting of scientific progress in these fields;
- Promotion on an international level of the exchange of information and experience of scientists and practitioners in TRIZ, of universities and other educational organizations;

- Development of TRIZ through contributions from dedicated experts and specialists in particular areas of expertise.

This issue contains 38 articles that have been chosen from the papers presented at the 15th TRIZ Future Conference of the European TRIZ Association (ETRIA e.V.) on 26.-29. October 2015 in Berlin. Although most of the papers that have been included in this issue have been written by TRIZ researchers and practitioners from Europe, several studies come from Australia, China, Japan, Korea and Malaysia.

Papers that are presented in this issue have been written by university academics, industry researchers as well as by practicing engineers and engineering managers. These papers cover a wide range of topics that include theoretical TRIZ explorations, case studies of actual TRIZ application, various aspects of TRIZ education and historical accounts of TRIZ utilisation and TRIZ development. We trust that these articles will be of interest to a wide audience of readers that are interested in creativity and innovation and will help the readers in creating better value for their customers and the society. We hope that this collection of articles will encourage other researchers and practitioners to contribute to ETRIA's TRIZ Future Conferences in coming years.

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