

Advances and Impacts of the Theory of Inventive Problem Solving

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Mikael Collan
Editors

Advances and Impacts of the Theory of Inventive Problem Solving

The TRIZ Methodology, Tools
and Case Studies

 Springer

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Preface

This book is a summary of conference papers presented at two TRIZ-related conferences: TRIZ FUTURE Conference 2016 in Wrocław, Poland, and TRIZ FUTURE Conference 2017 in Lappeenranta, Finland.

All TFC conferences aim at linking industrial companies, research centers, educational organizations, and individuals to share their experience on systematic inventive processes and to promote TRIZ diffusion worldwide. They provide an international forum for exchanging new ideas on TRIZ and knowledge-based innovation, presenting recent achievements by the TRIZ community and enabling further advances and collaboration between industry and academia.

TFC conferences are organized by European TRIZ Association (ETRIA). ETRIA is an association based in Germany, founded in 2000. It considers itself an open community to unite the efforts, suggest opportunities for global standardization, conduct further research and development, and provide mechanisms for the exchange of information and knowledge on TRIZ and TRIZ-based innovation technologies.

ETRIA has the following goals:

- Research and development of innovation knowledge by integrating conceptual approaches to classification developed by artificial intelligence (AI) and knowledge management communities
- International observation, analysis, evaluation, and reporting of progress in these directions
- Promotion and exchange of information and experience between scientists and practitioners in TRIZ, universities, and other educational organizations
- Development of TRIZ through contributions from dedicated experts and specialists in various areas of expertise

This volume presents a collection of the best papers presented during TFC 2016 and TFC 2017 by the authors from over 20 countries. These authors are representatives of industrial companies, universities, research centers, and consulting companies.

Wrocław, Poland
Lappeenranta, Finland
Lappeenranta, Finland
Summer 2018

Sebastian Koziółek
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