

INTERSYMP-2019
31st International Conference
on Systems Research, Informatics and Cybernetics

July 29 - August 2, 2019
Markgraf-Ludwig Gymnasium, Hardstrasse 2
Baden-Baden, Germany

Cognitive Thinking, Analogies and Insights
Methodology in the Research in General and Quantum
Physics and Modeling and Simulation
of Dynamic System and Processes

Chair: Dr. Bohdan Hejna,

University of Chemistry and Technology, Prague

Czech Republic

Focus of the Symposium

This special focus symposium will provide a forum for presentation and discussion of papers on cognitive thinking, modeling, simulation and research methodology in General and Quantum Physics, Dynamic System and Processes and related areas.

The Symposium will explore papers about analogies, interpretations and insights in Relativity Theories research, Maxwell equations, Thermodynamics, Information Theory and related areas. Of a particular interest will be papers that investigate applications in Biology, Sociology, Psychology and other domains, especially those that explore various aspects of synergism, synergies and Synergetics in the proposed domains.

Topics include (but not limited to):

- Thermodynamics
- Information Theory
- Relativity
- Maxwell Equations & Scalar Fields
- Quantum Physics
- Research tools
- Cognition & Interpretations
- Event Simulation
- Modeling & Visualization Processes
- Synergy Effects

Call for Papers

Papers within the scope of the focus symposium are welcome. Abstracts of approximately 200 words should be submitted for evaluation. All proposals will be judged based on scholarly quality, originality and potential for further discourse. Papers must be written in English.

Abstracts must be submitted electronically (Microsoft Word) by March 30, 2019 to:

Dr. Bohdan Hejna and **Professor George E. Lasker**
hejnab@vscht.cz lasker@uwindsor.ca

Review Process and Publications:

All submitted papers and abstracts will be peer reviewed. Final conference papers should not exceed 5 single-spaced typed pages. Conference proceedings will be published in:

Advances in Cognition, Modeling and Simulation of Dynamic Systems, Events and Processes

The authors of the best papers will be invited to extend their work and develop a full-length article for the IAS Transactions in Systems Research and Cybernetics

Important Dates

- March 30, 2019 Abstract due
- April 9, 2019 Notice of acceptance
- May 9, 2019 Final paper due

Chair General

Professor George E. Lasker
International Institute for
Advanced Studies
P. O. Box 3910, Tecumseh,
Ontario
Canada N8N 2M3

Symposium Chair

Dr. Bohdan Hejna
University of Chemistry
and Technology, Prague
Department of Mathematics
Studentská 6, 166 28 Prague
Czech Republic

Sponsored by:

THE INTERNATIONAL INSTITUTE FOR ADVANCED STUDIES
IN SYSTEMS RESEARCH AND CYBERNETICS

[InterSymp' 2019](#)

at

www.ias.edu A **strict adherence** to our **Registration Procedure** and **Instructions to Authors** is required for publication of your paper: **For details**, please visit our Website: <http://www.ias.edu>.