

INTERSYMP-2020

**The 32st International Conference
on Systems Research, Informatics and Cybernetics**

and

**The 40st Meeting of the International Institute for
Advanced Studies in
Systems Research, Informatics and Cybernetics**

**August 3 - August 7, 2020
Markgraf-Ludwig Gymnasium, Hardstrasse 2
Baden-Baden, Germany**

CALL FOR PAPERS

Symposium on

**Methodology of Cognitive Thinking in the Research in
Logics, Mathematics and Physics, Modeling and
Simulation of Dynamic Systems and Processes**

Chair: Dr. Bohdan Hejna,

University of Chemistry and Technology, Prague

Czech Republic

Focus of the Symposium

The Symposium will explore discussion and papers on methodology of cognitive thinking in various areas as Logics, Computing (also quantum) and Mathematics and their interpretations and insights in Physics (General, Relativistic and Quantum) and in Information Theory and Dynamic systems.

Papers that investigate philosophical and methodology aspects of research in Logics, Mathematics (e.g. Gödel studies) and Physics (e.g. Maxwell equations in history and nowadays, scalar waves) are invited, as well as the papers dealing with Dynamic Systems and

Synergy branches (e.g. Sociology, Psychology, Biology, and other domains of this type as Economics and Finance).

Topics include (but not limited to):

- Logics, Mathematics
- Information Theory
- Physics, Thermodynamics
- Relativity
- Quantum
- Maxwell Equations & Scalar Fields
- Dynamic Systems
- Research tools, Cognition & Interpretations
- Modeling & Visualization Processes, Event Simulation
- Synergy Effects in Biology, Sociology, Psychology, Economics & Finance

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 evaluated with respect of scholarly quality, originality and potential for further discourse. Papers must be written in English.

Abstracts must be submitted electronically (Microsoft Word) by March 30, 2020 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, 2020 Abstract due
- April 9, 2020 Notice of acceptance
- May 9, 2020 Final paper due

Chair General

Professor George E. Lasker
International Institute for
Advanced Studies
P. O. Box 3910, Tecumseh,
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Symposium Chair

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