

# InterSymp-2009

## 21<sup>st</sup> International Conference on Systems Research, Informatics and Cybernetics

to be held

August 3<sup>rd</sup> to 7<sup>th</sup>, 2009

in Baden-Baden, Germany

announces

## 7<sup>th</sup> Special Focus Symposium on ICESKS: Information, Communication and Economic Sciences in the Knowledge Society

August 4<sup>th</sup> to 5<sup>th</sup>, 2009

### With Keynote Address

**Ph.D. Damir Boras, Full Professor**, Vice Dean of the Faculty of Humanities and Social Sciences of the University of Zagreb, Ivana Lučića 3, 10000 Zagreb, Croatia, Europe, **Topic: “tba”**

### Joint Symposium Chairs:



**Ph.D. Dr.H.C. Vladimir Šimović, Associate Professor**

Dean of the Faculty of Teacher Education of the University of Zagreb, Savska cesta 77, 10000 Zagreb, Croatia, Europe & Director of the “ECNSI” - European Center for Advanced and Systematic Research, Savska cesta 77, 10000 Zagreb, Croatia, Europe  
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**Ph.D. Damir Boras, Full Professor**

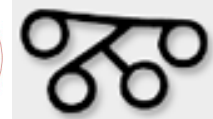
Vice Dean of the Faculty of Humanities and Social Sciences of the University of Zagreb, Ivana Lučića 3, 10000 Zagreb, Croatia, Europe  
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### Conference Chair:



**Prof. Dr. George E. Lasker**

InterSymp-2009 Conference Chairman, President of The International Institute for Advanced Studies in Systems Research & Cybernetics (I.I.A.S.), P.O. Box 3010 Tecumseh, Ontario N8N 2M3, Canada  
e-mail: [lasker@uwindsor.ca](mailto:lasker@uwindsor.ca)

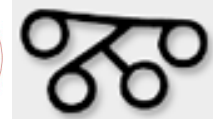


## **Focus of the Symposium 7<sup>th</sup> ICESKS - Information, Communication and Economic Sciences in the Knowledge Society**

Information, technology and communication processes with economics are the basics for modern knowledge society development. We are living in the era of digitalization which will surely cause changes to mankind on individual and social level. Though, we are still seeking to maintain development, social sensibility, eco consciousness, ethics and quality. The paradigms in modern economy and finance are on the brink to change (cf. Ross 2005): the major assumptions of neoclassical finance are obviously not consistent with the facts and figures characterising reality grasped by the data and methods available today. Two aspects need to be addressed: the one is the decision-making based on the rational man assumption and the other is the no arbitrage assumption. The first ignores the circumstances caused by the decision-making by individuals; the necessity to regard these behavioural aspects led to behavioural finance. The importance of behavioural and psychological aspects was already underlined by scholars like von Hayek a long time ago. Von Hayek's arguments, however, suffered from the absence of a formal treatment. The eschewal of formal tools also endangered the behavioural finance approach. Discrete choice models do offer a methodology to treat psychological aspects formally. The no arbitrage assumption ignores the existence of and the effects generated by markets: the major deficiencies might be characterised by the neoclassical procedure to search for arbitrage opportunities by methods that are grounded on the assumption that arbitrage opportunities do not exist. The importance of markets has been known long before the predominance of the neoclassical paradigm. The appropriate term has been catallactics – quite in use since the 1920s – and has been rediscovered by those dissatisfied with the shortcomings of the neoclassical theory. We apply the term catallactics, even if our call is meant to encourage particularly, but is not limited to, the submission of papers addressing both aspects with a combined methodology. The life on the Earth was and will be put under limits of mutual relationship, interaction, transaction and by creating networks. Co-orientation is helping us to bring more and more communication events in synchrony. If the synchrony increases in the narrower area within the shorter time pattern, it is likely to expect it will continue to expand into whole society. Information, communication, ICT (Information and Communication Technology) with economy and other technology and knowledge will be circularly connected, and globalization processes will accordingly influence their development. Possibly, it will not be like that?

- 1) Does globalisation mean disappearance of the individuality or not? Does the globalisation intensify individual consciousness?
- 2) How are globalization process related to knowledge society?
- 3) What are the relations among information technology, networking and stakeholders?
- 4) What is virtual knowledge?
- 5) Who created the virtual knowledge - the interdisciplinary teams or «knowledge workers»?
- 6) What are the positions of e-business, e-communication and e-knowledge in a networked world?
- 7) What kind of influences does the digitalization make on social processes in the society?
- 8) Is it possible that communication affairs synchrony creates the procedures and standards of symbolic global communication?
- 9) What is going on with the dynamics of education within distance learning, lifelong learning, management education and training, informal learning?
- 10) How shall we navigate economy, information and communication complexity in the modern knowledge society?
- 11) What is modern interactive agent-based modelling of dynamic market processes?
- 12) How to do human learning and decision-making on markets?
- 13) What is the emergent impact of market microstructure on market outcomes?
- 14) Which are non-equilibrium asset pricing with evaluation of discrete activities, etc.?

At least **four issues** could be differentiated. They are of course intertwined:



**Firstly**, a more technological issue: Wrapping the huge amount of ICT data into XML based mark-up languages thus achieving the data processing speed required. Standardization is a necessary precondition. However standards are as good as far as they are accepted by the knowledge society. What is the relation to relevant ISO standards that are proposed too? Will there be a convergence to unique standards in the modern knowledge society? **Secondly**, a more regulatory issue: The regulatory bodies in the modern knowledge society have to provide rules and regulations that ascertain fair working and living. Various regulatory bodies have to fix the data and information (or knowledge) that is appropriate to determine the best working and living environment in the modern knowledge society. The evaluation could be refined when relying on the complete or incomplete set of data and information (or knowledge). The switch from the investigation of the data and information (or knowledge) to the investigation of the modern knowledge society models will provide more reliable picture about the modern knowledge society performance. Computerized and other artificially established rules enable best knowledge society environment surveillance. Computerized and other artificially established analytical models have the big advantage that the surveillance of the best working and living environment in the modern knowledge society has been possible quite reliably. It is an open question until now, which data and information (or knowledge) describing the real modern knowledge society situation has to be included in the model that is necessary to evaluate best practice. Recent remarks of the various regulatory bodies and practice indicate that the more data are implemented the more reliable the result seems to be. **Thirdly**, which data and information (or knowledge) should be exploited by models to make working and living environment in the modern knowledge society as sustainable as possible? Event data and information (or knowledge) relies on the causal structure of individual model events. The prevailing procedures in modelling the modern knowledge society environment seem to rely on pure statistical figures, mainly correlations, but they have to be extended into more reliable cause and effect structures. **Fourthly**, which data and information (or knowledge) structure gives an exchange a competitive edge to attract the best modelling practice in modelling the modern knowledge society environment? Those models which have the most advanced techniques both with regard to speed of data and information (or knowledge) processing and modern knowledge society environment matching will succeed.

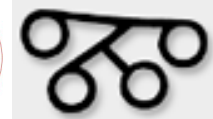
### **The issues to be discussed**

Regarding these explanations, papers dealing with a broad range of topics related to the general issues sketched above are welcome. The following list is a guideline, but not exhaustive.

Today, we are witnessing that companies' success is not measured only by profit. The following issues should be related as well:

- 1) Navigating organizational complexity with communication and ICT managers
- 2) Tangible outcomes from managing intangibles
- 3) Dynamics of organizational change, business ethics and communication culture
- 4) Navigating organizational and social changes with developing human character
- 5) The influence of co-orientation, integration, transaction and interaction process within the organization on communication modalities
- 6) Shall globalization process not create information and communication chaos in a networked world?
- 7) The changing role of economy, information (ICT) and communications technology

What is to role of social communication structures in disseminating knowledge across various sections of society in order to enable its development into knowledge society? How far has an equal and universal access to knowledge been ensured to all sections of the contemporary society (in different countries, including Croatia)? What communication competences still need to be developed by different social segments (academic community, economic entities, and governmental bodies, civil society) in order to ensure smooth establishment of knowledge society? Which steps still need to be taken in national legal systems and governance in order to satisfy preconditions for the implementation of the European Communication Policy?



## Call for Papers

Papers that address any of the above listed issues are invited. Participants who wish to present a paper are requested to submit two copies of an Abstract (up to 200 words) as soon as possible, but not later than March 30, 2009. An abstract of approximately 200 words should be submitted for evaluation, and all proposals will be judged on the basis of their scholarly quality, originality and potential for further discourse. Notification of acceptance will be sent to authors by April 9, 2009. The full papers, not to exceed 5 single-spaced typed pages, should be submitted with photo-ready copies of artwork by May 9, 2009. All submitted papers will be refereed. Those selected will be scheduled for presentation and published in Conference Proceedings.

Abstracts may be submitted electronically (Microsoft Word preferred) or by mail not later than March 30, 2009 to:

### Joint Symposium Chairs



#### **Ph.D. Dr.H.C. Vladimir Šimović, Associate Professor**

Dean of the Faculty of Teacher Education of the University of Zagreb, Savska cesta 77, 10000 Zagreb, Croatia, Europe & Director of the "ECNSI" - European Center for Advanced and Systematic Research, Savska cesta 77, 10000 Zagreb, Croatia, Europe  
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with a copy to:



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The InterSymp-2009 Conference Chairman, President of The International Institute for Advanced Studies in Systems Research & Cybernetics (I.I.A.S.), P.O. Box 3010 Tecumseh, Ontario N8N 2M3, Canada  
e-mail: [lasker@uwindsor.ca](mailto:lasker@uwindsor.ca)

## Review Process and Conference Proceedings

All submitted abstracts will be peer-reviewed. Final papers should not exceed 5 single-spaced typed pages prepared according to the Instruction to Authors given at the website <http://www.ias.edu> and <http://www.ecnsi.hr>.

All selected and presented papers will be published in Conference Proceedings.

## Important Dates

**Abstract due:**

**March 30, 2009**

**Notification of acceptance:**

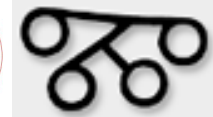
**April 9, 2009**

**Final paper due** (not to exceed 5 single-spaced typed pages):

**May 9, 2009**

**Further details on InterSymp-2009 are available at**

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## 21<sup>st</sup> International Conference on Systems Research, Informatics and Cybernetics – InterSymp 2009

Dear Colleague:

January 03, 2009

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We are pleased to inform you that you can pay your Conference Registration Fee in Euros into our IAS Conference Account at the Dresdner Bank in Baden-Baden, Germany through the Bank-to-Bank funds transfer according to the information posted below. **No Credit Card Payments are accepted!!!**

(1) Amount in Euros **Euros 345.00 (per one Conference participant if paid by May 1<sup>st</sup>, 2009; and Euros 395.00 if paid afterwards)**

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**IMPORTANT:** The payment must be made Free of Charge for Beneficiary, and should indicate the name of the person who is being registered for the Conference

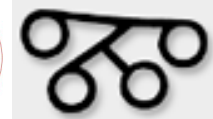
**Thank you in advance for your kind cooperation.**

Sincerely,

*George Lasker*

Prof. George E. Lasker  
InterSymp-2009 Conference Chairman

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## INSTRUCTIONS TO AUTHORS

The following standard format has been developed to facilitate the publication of conference papers. Since it is intended to print the Conference Proceedings directly from the photo-ready manuscripts submitted by the authors, we request close compliance with the specifications below:

**LENGTH:** Papers should not exceed five pages printed with single spacing (including illustrations). A surcharge of Euros 45 will be charged to authors for each additional page exceeding the above limit.

**PAPER:** White letter size (8.5 in. x 11 in., North American format) paper of 20 lb. weight or more.

**MARGINS:** Single column text within left and right margins of 25 mm (1 in.) and top and bottom margins of 30 mm (1.25 in.).

**PAGE NUMBERING:** Pages should be numbered consecutively at the bottom center leaving a margin of 20 mm (0.75 in.).

**HEADINGS:** One level of section headings is preferred. Headings should be set in bold upper and lower case letters, two points larger than the text (not underlined).

**TEXT:** Text should be set in Times New Roman font with a size of 12 points.

**ILLUSTRATIONS:** Illustrations should be either black-on-white line drawings, or glossy black-and-white photographs with good contrast. Their horizontal dimension must not exceed the width of the text. All illustrations should be numbered, provided with a legend and referred to in the text.

**UNITS OF MEASUREMENT:** Standard International (SI) units should be used. The traditional foot-pound units may be added in parenthesis. Monetary data may be in any currency unit. However, authors are encouraged to add the equivalent amount in (US) \$ in parentheses to facilitate comparison.

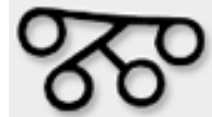
**REFERENCES:** References in the text should be cited as follows:

- (i) (Howard, 1988); for one author
- (ii) (Peters and Niles, 1989); for two authors
- (iii) (Miller et al, 1983); for three or more authors

References should be listed at the end of the paper, arranged in alphabetical order by the first author's surname. If more than one publication by the same author in a particular year are cited they should be designated at 1986a, 1986b, and so on. The format of the reference list should be as follows:

- Howard, J.B. (1988); Artificial Intelligence Principles and Practice; Longman (pp. 53)
- Peters, P. B. and L. S. Niles (1989); Evaluation of Rate Algorithm; Artificial Intelligence Applications, Vol. 6, No. 2 (pp. 23-26)
- Miller, A., Penrose, D.F. and R.J. Ross (1983); The DIAZ Expert System: Design and Implementation; Proc. 3<sup>rd</sup> International Symposium on Cybernetics (ed. W. Fisher), Butterworth (pp. 359-368)

**FIRST PAGE:** The first page should include the full title of the paper, the name of the author(s) and their affiliation, an Abstract of approximately 200 words, and no more than six keywords to facilitate indexing.



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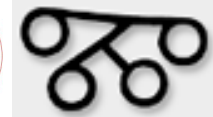
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**THE 21<sup>st</sup> INTERNATIONAL CONFERENCE ON SYSTEMS RESEARCH,  
INFORMATICS & CYBERNETICS**

**August 3 -7, 2009, Baden-Baden, Germany**

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I am an (please tick):

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To be completed by authors of accepted papers:

Paper Reference Number(s): \_\_\_\_\_

Total Number of Pages: \_\_\_\_\_

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The conference registration fee includes free access to all Conference Sessions, symposia and workshops; all Conference materials; free access to the Presidential Reception and one volume of the conference proceeding to be distributed during the conference. Additional proceedings will be available for purchase any time after the conference at the list price from IIAS. The authors, who have been notified of the acceptance of their paper(s), may submit paper(s) of up to five pages and the conference registration fee for inclusion in a volume of the conference proceeding. For more than five pages in total in one registration, the authors must include an ADDITIONAL AMOUNT of Euros €45 per page. All registration materials and fees including the camera-ready paper(s), strictly conforming to the guideline for submission, must be received by May 9, 2009 in order for paper(s) to be published in the proceedings.

**INSURANCE:** The conference organizers cannot accept any liability for personal injuries or loss or damage to property belonging to Conference participants, either during or as a result of the conference. The participants should check the validity of their personal insurance.

**Method of Payment:** Payment may be made by International Money Order or Cheque payable to InterSymp-2009.

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**ATTN: Prof. George E. Lasker**

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On or before May 1, 2009 (Euros €345.00) \_\_\_\_\_

After May 1, 2009 (Euros €395.00) \_\_\_\_\_

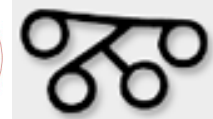
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Extra Proceedings (Euros €50.00 each) \_\_\_\_\_

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## **The International Institute for Advanced Studies in System Research and Cybernetics**

is announcing  
**InterSymp 2009**

to be held:  
from August 3 -7, 2009  
in Baden-Baden, Germany

### **21<sup>st</sup> INTERNATIONAL CONFERENCE ON SYSTEMS RESEARCH, INFORMATICS AND CYBERNETICS**

We are pleased to inform you that the 21st International Conference on System Research, Informatics & Cybernetics will be held from August 3<sup>rd</sup> to 7<sup>th</sup>, 2009 in Baden-Baden, Germany.

The Conference will provide a forum for the presentation and discussion of short reports on current systems research in humanities, sciences and engineering. A number of specialized symposia is being organized to focus on research in computer science, synergetics, cognitive science, psychocybernetics, sociocybernetics, logic, philosophy, management, ecology, health care, education and other related areas.

Participants who wish to present a paper are requested to submit two copies of an Abstract (up to 200 words) as soon as possible, but not later than March 30, 2009. All submitted papers will be refereed. Those selected will be scheduled for presentation and published in Conference Proceedings. Notification of acceptance will be sent to authors by April 9, 2009. The full papers, not to exceed 5 single-spaced typed pages, should be submitted with photo-ready copies of artwork by May 9, 2009.

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Conference Chairman

C/O International Institute for Advances Studies (IIAS)

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