

InterSymp-2005
17th International Conference
on Systems Research, Informatics and Cybernetics
to be held

August 1- August 5, 2005
in Baden-Baden, Germany
announces

Special Focus Symposium on
Cognitive, Emotive and Ethical Aspects of
Decision-Making in Humans and in AI

August 3 - August 4, 2005

Chair: Dr. Iva Smit, E&E Consultants, Netterden, NL
Wendell Wallach, WW Associates, Bloomfield, CT, USA

Conference Chair: Prof. George E. Lasker, IIAS, Windsor, Canada

Focus of the Symposium

This Symposium is a forum for exploring the values and affective concerns that inform human decisions and actions, as well as the prospect of developing artificial intelligence systems with the capacity to make and follow complex ethical decisions and function as autonomous moral agents (AMAs).

Topics may include, but are not limited to:

Value consciousness in decision-making
The effects of expectation, anticipation and human need on the quality of decision-making
The role of emotions in decision-making and the consequent actions
Sources of motivation to act
Social consequences of decision-making in Hi-Tech environments
Implications and limitations of various ethical theories
Mono-cultural approaches–diversity–universalism
Comparative ethics
East-West ethics
Intercultural communication
Strategies for reconciling intercultural ethical dilemmas

Group diversity, group decision making, and decision quality
Relational intelligibility and decision making
Creation of shared value systems
Emergence of new ethical frameworks
Historical development of ethics
Ethics & technology
The role of technology in the cross-cultural dialogue on ethics
The impact of technology on our understanding of ethics
Ethics based decision-making and intelligent problem solving
What makes a decision a moral decision?
Synergy of rational, emotional, and ethical intelligence in decision-making and action taking
Synergy of human and artificial intelligence
Modeling and simulation of emotions; affective computing
Distributed affect and distributed cognition
Machine consciousness
(Artificial) moral intelligence
Genetic programming and moral development
Modeling and simulation of moral behavior
Unbiased learning and non-rule based behavioral guidance for artificial intelligence
Design and implementation of artificial moral agents (AMAs)
Implementation of various top-down and bottom-up ethical theories in AI
Computational strategies for overcoming the practical limitations of teleological, deontological, and ontological reasoning
Incompleteness, machine intelligence, and mechanized reasoning
Limits of ethics in information technology
Bounded morality
Autonomy boundaries of robots and autonomous agents
The effects of robots and autonomous agents on human autonomy
Effectiveness and acceptability of decisions supported/made by artificial moral agents
Ethics of decision-making in intelligent automata and robotics systems
Moral education for robots
The importance of embodiment for robotic systems
Artificial persons and ethics
The effects of anthropomorphizing
Responsibility for the actions of robots and autonomous agents
Awareness of the consequences of decisions and the related (non)actions
Methodology for assessing the moral consequences of (human) decision-making
Correcting consequences of erroneous decisions
Decision-making strategies under extreme conditions and during peak performances
The effect of rationality, irrationality, intuition, and altered states on deciding and acting
The role of wisdom and divine intelligence in human decision-making and problem solving
Empathy and emphatic intelligence-based decision-making

Call for Papers

Papers that address any of the above listed issues are invited. Abstract of approximately 200 words should be submitted for evaluation. All proposals will be judged on the basis of their scholarly quality, originality and potential for further discourse.

Abstracts may be submitted electronically (Microsoft Word preferred), by mail or by fax by March 30, 2005 to:

Dr. Iva Smit, Symposium Chair
E&E Consultants
Slawijkseweg 11
7077 AM, Netterden, The Netherlands
E-mail: smitnet@wxs.nl

With a copy to: Prof. George E. Lasker, Conference Chair
C/O University of Windsor
Windsor, Ontario N9B 3P4, Canada
E-mail: lasker@uwindsor.ca

Review Process and Conference Proceedings:

All submitted papers and abstracts will be peer reviewed. Final papers should not exceed 5 single-spaced typed pages prepared according to the Instruction to Authors, displayed at the Website <http://www.ias.edu> The selected papers will be published in Conference Proceedings.

Important Dates:

- March 30, 2005 Abstract due
- April 9, 2005 Notice of acceptance
- May 9, 2005 Final paper due

Sponsored by
The International institute for Advanced Studies
in Systems Research and Cybernetics
&
Systems Research Foundation

InterSymp'2005 Home Page

at

<http://www.ias.edu>