

# Cognitive Science News

SUNY at Binghamton  
announces

*Interdisciplinary Graduate Studies in*  
**Philosophy**  
and  
**Computers and System Sciences**  
**(PACSS)**

The Computer Science, Psychology and Systems Science Departments, the Philosophy Department of SUNY-Binghamton offer an innovative, interdisciplinary MA/PhD program in Philosophy designed to integrate the disciplines of philosophy, cognitive science, artificial intelligence, computer science, and systems science.

- research and teaching that require broad interdisciplinary knowledge in Philosophy, Artificial Intelligence and Cognitive Science
- new directions in professional philosophy, viz., the use of programs (computer or information processing models) as an investigative tool for the analysis of traditional philosophical problems
- career options that call for new skills required by today's high-tech industries

## **PACSS Core Courses**

Computability and Logic  
Computational Theories of Mind  
Concepts and Categories  
Connectionism  
Epistemology and Artificial Intelligence  
Phil. Foundations of Artificial Intelligence  
Fundamental Structures for Comp. & Sys. Sci.  
Knowledge Representation and AI  
Methodologies for Artificial Intelligence  
Modeling and Simulation  
Philosophy of Language  
Philosophy of Mind  
Philosophy of Psychology  
Philosophy of Science  
Probability and Induction  
Programming for AI & Cognitive Science  
Rationalism and Empiricism  
Recent Analytic Philosophy

Systems Problem Solving  
Wittgenstein

### **PACSS Core Faculty**

*Jerrold L. Aronson*, Program Director, Professor of Philosophy.  
Philosophy of science, of mind, physics, metaphysics.

*Eric Dietrich*, Assistant Professor of Philosophy. Artificial Intelligence,  
Connectionism, Problem-solving systems.

*Rom Harre*, Adjunct Professor of Philosophy. Philosophy of psychology,  
Systems science, Philosophy of science, social science.

*Jack Kaminsky*, Professor of Philosophy. Semantic analysis, Philosophy of  
logic, Ontology.

*George J. Klir*, Distinguished Professor of Systems Science. General systems  
methodology, Logic design and computer architecture, Information  
theory, Expert Systems, Uncertainty, Fuzzy set theory.

*Howard Pattee*, Professor of Systems Science. Theoretical biology, Evolutionary  
models of complex systems, Linguistic controls of dynamic  
systems.

*Lawrence D. Roberts*, Associate Professor of Philosophy. Philosophy of  
language, Computational models of reference.

*Eileen C. Way*, Assistant Professor of Philosophy. Artificial intelligence,  
Natural language processing, Cognitive science, Philosophy of mind.

#### *Assistantships Available*

For more information call or write to:

Jerrold L. Aronson, Director

PACSS, Department of Philosophy

SUNY-Binghamton, Binghamton, New York 13901

(607-777-2227 or 607-777-2446)

### **WORLD CONFERENCE ON A.I. IN EDUCATION (WC-AIED93)**

**August 23-27, 1993, Edinburgh, UK**

This conference will report the best research and applications in the field of AI in Education, covering a wide range of topics. Submission details of papers, posters, workshops/tutorials and panels, and information for industrial and book exhibitors, from Dr. H. Pain, Dept. of Artificial Intelligence, University of Edinburgh, 80 South Bridge, Edinburgh, EH1 1HN, UK ([aied93@aisb.ed.ac.uk](mailto:aied93@aisb.ed.ac.uk)).

Submission deadline: December 12, 1992. Early registration: April 1, 1993. Sponsored by AIED Society: AACE, P.O. Box 2966, Charlottesville, VA 22902, USA ([aace@virginia.edu](mailto:aace@virginia.edu)).

# IJCAI 93

International Joint Conference on Artificial Intelligence

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**CHAMBERY — SAVOIE — FRANCE**

**August 29 – September 3, 1993**

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**Conference Chair:**

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**Program Chair:**

Ruzena Bajcsy (US)  
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**Local Chair:**

Jean-Pierre Laurent (F)  
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until Sept 92 then 79 75 87 85  
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**The Call for Papers, Tutorials, Workshops, Panels  
are all available by email at:**

**[ijaci-serv@imag.fr](mailto:ijaci-serv@imag.fr)**

**(subject: as you want; content: the first time used just type "help")**

**Dead-line: The Papers must be received by the Program Chair before  
November 1, 1992**

**Video Chair:**

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**Panel Chair:**

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## **SUPPORT FOR COGNITIVE SCIENCE RESEARCH**

### **National Institute of Mental Health**

The National Institute of Mental Health (NIMH) aims to support a wide range of basic research in the cognitive sciences, as part of its effort to expand knowledge of fundamental aspects of human behavior and adaptation.

NIMH encourages proposals for basic research in such areas as perception, memory, knowledge, thinking, learning, language, and performance. Methods may include (but are not limited to) human and animal experimentation, computer simulation, and formal/computational analysis. Investigators may have backgrounds in psychology, computer science, linguistics, philosophy, or any other cognitive science.

Funding mechanisms include grants for research projects (of various sizes and durations), pre- and post-doctoral fellowships, institutional training grants, career scientist awards, and conference grants.

Questions about NIMH's support for cognitive science research can be directed to:

**Rodney Cocking, Ph.D. or Howard Kurtzman, Ph.D.**

**Basic Behavioral & Cognitive Sciences Research Branch**

**National Institute of Mental Health**

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