

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, of 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, Evolu-
 tionary 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)

**4th INTERNATIONAL CONFERENCE
 ON COMPUTERS AND LEARNING
 ICCAL'92.**

Acadia University, Nova Scotia, Canada, June 17-20, 1992.
 50 papers, 6 invited speakers, workshops, tutorials, panels, exhibitors.

Contact: Dr. Ivan Tomek, Jodrey School of Computer Science,
 Acadia University, Wolfville, Nova Scotia, Canada, B0P 1X0.
 phone: (902) 542-2201, fax: (902) 542-7224,
 e-mail: internet:iccal@AcadiaU.ca

MAAMAW '92
Fourth European Workshop on
Modeling Autonomous Agents and Multi-Agent Worlds
July 29–31, 1992
Rome, Italy

The purpose of this workshop is to stimulate exchange and discussion about novel theoretical approaches in the field of multi-agent systems. Multi-agent problems arise when several autonomous agents, with their own goals, capabilities, and knowledge, share a common environment and have either shared or competing goals.

An international workshop to discuss your ideas or exhibit your system.

Program Chairmen:

Cristiano Castelfranchi (I-IP-CNR/AI*IA)
Eric Werner (D-University of Hamburg)

Organization:

IP-CNR-Institute of Psychology of National Research Council
AI*IA-Italian Association for Artificial Intelligence

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CALL FOR PAPERS

3rd INTERNATIONAL COGNITIVE LINGUISTICS CONFERENCE
July 18–23, 1993, Leuven, Belgium

AIMS AND SCOPE

The conference offers a forum for research within the perspective of Cognitive Linguistics. This perspective subsumes a variety of concerns and broadly compatible theoretical approaches that share a common basis: the idea that language is an integral part of communication which reflects the interaction of cultural, psychological, communicative and functional considerations, and which can only be understood in the context of a realistic view of cognitive development and mental processing.

Topics of special interest for Cognitive Linguistics include the structural characteristics of natural language categorization (such as prototypicality, metaphor, mental imagery, and cognitive models), the functional principles of linguistic organization (such as iconicity and naturalness), the conceptual interface between syntax and semantics, the experiential and pragmatic background of language-in-use, and the relationship between language and thought.

SUBMISSION OF ABSTRACTS

Authors are requested to submit four copies of a one-page abstract in hardcopy format to the address below. Abstracts must be received before November 1, 1992. Authors will be notified of acceptance or rejection by January 1, 1993.

All correspondence should be addressed to:

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