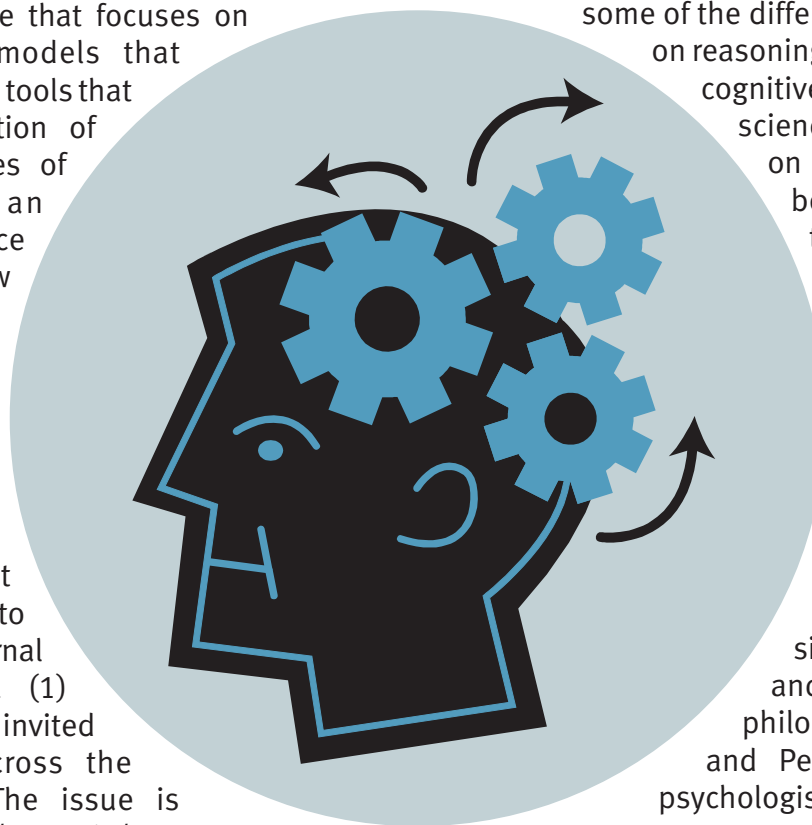# – 2nd SUMMER INSTITUTE ON ARGUMENTATION –
May 9 - May 27, 2011

Reasoning & Argument: Computing and Cognitive Science Perspectives

The Centre for Research on Reasoning, Argumentation and Rhetoric (CRRAR) at the University of Windsor will be sponsoring a Summer Institute on Argumentation from May 9 to May 27, 2011. The institute has the dual purpose of offering a course for graduate students who have an interest in reasoning, argumentation, artificial intelligence and/or cognitive science, as well as an introduction to these topics for post-doctoral students and junior faculty who may attend as Summer Institute Fellows. The course, 'Current Issues in Argumentation Theory', (30 hours) will be a 500-level course (the University of Windsor's designation for graduate courses) and can be taken for either an Arts (Humanities) or Social Science credit. The Institute and course are under the direction of Professor Marcello Guarini (Department of Philosophy, University of Windsor) who will share the teaching duties with Professor Chris Reed, (School of Computing, University of Dundee, Scotland).

In the **Argument and Computation** part of the course, Professor Reed will introduce students to the breadth of current research in Artificial Intelligence that focuses on argumentation. From foundational models that develop calculi of opposition, to practical tools that support the analysis and reconstruction of extended case studies, the techniques of argumentation theory have had an enormous influence on AI. We will place particular emphasis on exploring the new developments in a major international research programme called the Argument Web, which aims to enable interconnection of billions of arguments online, through techniques such as argublogging, argutweeting and collaborative, argumentative sense-making. Students thinking about attending the course are encouraged to read the inaugural issue of the journal *Argument & Computation*. Issue 1 (1) appeared in April of 2010, and includes invited papers from major figures from across the argument and computation world. The issue is available free online at www.tandf.co.uk/journals/tarc.

In the **Reasoning, Argument, and Cognitive Science** part of the course, Professor Guarini will introduce students to some of the different ways in which philosophical work on reasoning and argument has influenced work in cognitive science, and how work in cognitive science has influenced work in philosophy on reasoning and argument. We will begin with an examination of some of the possible relationships between philosophy and cognitive science, which will include a general discussion of the possible relationships between the normative and the empirical. The importance to reasoning and argument of work in the following areas will be discussed: emotion, sentential versus non-sentential models of cognition, and the nature of similarity and analogy. John Pollock and Paul Thagard will be among the philosophers discussed; Dedre Gentner and Peter Gärdenfors will be among the psychologists and cognitive scientists discussed.

More information about the Summer Institute on Argumentation, including a draft syllabus of the course, course fees and auditor fees, instructions on how to apply for admission, scholarships, and possible accommodations, will be available on the CRRAR website ‹www.uwindsor.ca/crrar/summer-institute› in November 2011. Until then, inquiries may be made by writing Professor Guarini ‹mguarini@uwindsor.ca› or the Director of CRRAR, Dr. H. V. Hansen ‹hhansen@uwindsor.ca›.

In addition to the regularly scheduled lectures, the Summer Institute will also include some invited guest speakers and social events. The Institute on Argumentation includes the ninth conference of the Ontario Society for the Study of Argumentation, May 18-21: *Argumentation: Cognition and Community*, which includes 90 presentations with respondents. The conference's website can be viewed at www.uwindsor.ca/ossa.

Centre for Research on Reasoning, Argumentation and Rhetoric
www.uwindsor.ca/crrar/summer-institute

University of Windsor
thinking forward