

Call for Participation

ICCL Summer School 2008

Computational Logic and Cognitive Science

Technische Universität Dresden
August 24 – September 6, 2008

www.computational-logic.org/iccl-ss-2008

TOPIC

The summer academy will focus on the long-lasting controversy of the relationship between modern formal logic (including its use for automated reasoning and computation) and, on the other hand, the rationality and common sense underlying human reasoning. Traditionally, a huge gap is perceived between the symbolic representation of knowledge used in modern logic and the sub-symbolic representation considered dominant in human reasoning. Psychological experiments of the past even suggested that people often don't reason logically and, in general, that logic seems to play only a minor role in human reasoning. However, recently, new ways of explaining human reasoning seem to revive its relatedness to logic. For this reason this summer academy attempts to bring together researchers from both sides for an exchange of views.

REGISTRATION

If you want to attend the summer school, we'd prefer that you register by April 1, 2008. (Online registration on the web page mentioned above.) For all who want to apply for a grant, this deadline is obligatory. After April 1, 2008, registration will be possible as long as there are vacant places.

FEES We ask for a participation fee of 200 EUR.

GRANTS A limited number of grants is available.

INTEGRATED WORKSHOP

It will be possible for some participants to present their research work during a small workshop integrated in the summer school. (For details see web page above)

COURSE PROGRAM

Computational Logic and Cognitive Science: An Overview

Kai-Uwe Kuehnberger, Helmar Gust (Universität Osnabrück)

Human Reasoning and Cognitive Science

Michiel van Lambalgen (Univ. of Amsterdam, The Netherlands), Keith Stenning (Edinburgh Univ., UK)

Computational Logic and Connectionist Systems

Steffen Hölldobler (Technische Universität Dresden)

Computational Logic in Human Reasoning

Robert Kowalski (Imperial College, Department of Computing, UK)

Logic-Based Agents

Fariba Sadri (Imperial College, Department of Computing, UK)

The Logic of Generalized Truth Values. A Tour into Philosophical Logic

Heinrich Wansing (Fakultät für Philosophie, Technische Universität Dresden)

Computational Logic Applications in Cognitive Sciences

Luís Moniz Pereira (Universidade Nova de Lisboa, Portugal)

CHAIRS Steffen Hölldobler, Heinrich Wansing (TU Dresden)