REGISTRATION FEES

- Students in full-time education A$120 (GST included)
- Other participants A$1,650 (GST included)
- Scholarships are available for a limited number of selected students. Scholarship applications close on Friday 2nd October 2009. For eligibility and important dates please visit http://lss.rsise.anu.edu.au
- Registrations after Friday 6 November 2009, are subject to a 20 per cent surcharge
- Registrations will not be accepted after Friday 27 November 2009

REGISTRATION IS ONLINE
- Please register online at http://lss.rsise.anu.edu.au
- Payments are by credit card only

ACCOMMODATION
Accommodation must be arranged separately. A limited number of reserved rooms are available at Bruce Hall, and University House, ANU. For further details please visit http://lss.rsise.anu.edu.au

SUPPORTED BY
ANU College of Engineering and Computer Science
Canberra Research Laboratory
NICTA

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Presented by:
Logic and Computation Group
School of Computer Science

LOGIC SUMMER SCHOOL
7–18 December 2009
WHAT IS IT?

The Logic Summer School is a two-week presentation of pure and applied logic. It consists of short courses on a range of topics taught by local and international experts.

The level is advanced introductory: basic knowledge of logic is assumed, but prior exposure to the specific topics is not.

WHY LOGIC?

Modern logic is the foundational discipline of the information sciences.

As the science of reasoning, it is central to:

- computability theory
- type theory and other tools for understanding processes
- automatic proof generation
- software verification
- the entire science of Artificial Intelligence

IS IT FOR YOU?

Consider the Logic Summer School if you want to expand your knowledge and understanding of information technology for the workplace or classroom, or for your studies if you want to take the next step towards a research degree. It is intended for:

- students from about the third year of undergraduate studies up to beginning PhD level who are considering specialising in a logic-related field
- teachers who teach logic in computer science, mathematics or philosophy
- IT professionals who use formal methods or who want to know more about logic-based technology
- anyone who finds the idea of two weeks of wall-to-wall logic enticing!

If you are unsure about whether you meet the academic criteria, or whether the Summer School is relevant to your needs, email Professor John Slaney E: john.slaney@anu.edu.au

PROGRAM OUTLINE

- Fundamentals of metalogic
- Introduction to modal logic
- Overview of automated reasoning
- Computability and incompleteness
- Logic and complexity
- Programming in higher order logic
- Answer set programming
- Reasoning about discrete event systems
- Non-classical logic

SOCIAL FUNCTIONS

It’s not all hard work! In between your 10 days of intensive study you will also have time to socialise and enjoy our native flora and fauna. Visit http://lss.rsise.anu.edu.au for further details. We want to make you feel welcome, so come to our Reception on Sunday 6 December and meet fellow scholars and presenters.

We also show you beautiful Canberra and the region on Saturday 12 December.

SUMMER SCHOOL PRESENTERS

Professor John Slaney
The Australian National University

Dr Rajeev Gore
The Australian National University

Dr Peter Baumgartner
NICTA

Dr Michael Norrish
NICTA

Dr Andreas Bauer
NICTA

Dr Alwen Tiu
The Australian National University

Professor Torsten Schaub
University of Potsdam, Germany

Dr Patrik Haslum
NICTA

Dr Errol Martin