

# *Logic Colloquium 2005*

## Conference Program

All sessions, except the opening one, will take place in the building of the Department of Mathematics (on the campus of the University of Athens).

### THURSDAY, JULY 28

- 11.30–19.30 *Registration* (Kontos Hall, Main Building)
- 19.30–19.40 *Opening* (Great Hall, Main Building)
- 19.40–20.30 *Plenary Lecture* (Great Hall, Main Building)  
Charles Parsons (Harvard University): Paul Bernays' later philosophy of mathematics.
- 20.35–20.55 *Concert* (Great Hall, Main Building)  
Soloists of Camerata BIOS (Artistic Director: Alexander Halapsis).
- 21.00–23.00 *Welcome Reception* (Court of Main Building)

### FRIDAY, JULY 29

- 09.00–10.30 *Short Course* (Great Amphitheater)  
Phokion G. Kolaitis (I.B.M. Almaden Research Center & U.C.S.C.):  
Constraint satisfaction, Complexity, and Logic.
- 10.40–11.30 *Plenary Lecture* (Great Amphitheater)  
Sergei Goncharov (Novosibirsk State University): Isomorphisms and definable relations on computable models.
- 11.30–12.00 *Coffee break* (Annex to Great Amphitheater)
- 12.00–13.30 *Short Course* (Great Amphitheater)  
Itay Ben-Yaacov (University of Wisconsin, Madison): Model theory in positive and continuous logics.
- 13.30–15.30 *Lunch*
- 15.30–17.00 *Short Course* (Great Amphitheater)  
Greg Restall (University of Melbourne): The Shape of Proofs: inference and meaning in classical and non-classical logics.

17.00–17.30 *Coffee break* (Annex to Great Amphitheater)

17.30–19.55 *Contributed Talks* (Lecture Rooms  $\Gamma 21$ ,  $\Gamma 22$ ,  $\Gamma 31$  and  $\Gamma 32$ )

SATURDAY, JULY 30

09.00–10.30 *Short Course* (Great Amphitheater)

Phokion G. Kolaitis (I.B.M. Almaden Research Center & U.C.S.C.):  
Constraint satisfaction, Complexity, and Logic.

10.40–11.30 *Plenary Lecture* (Great Amphitheater)

Deirdre Haskell (McMaster University): Independence for types in al-  
gebraically closed valued fields.

11.30–12.00 *Coffee break* (Annex to Great Amphitheater)

12.00–13.30 *Short Course* (Great Amphitheater)

Itay Ben-Yaacov (University of Wisconsin, Madison): Model theory in  
positive and continuous logics.

13.30–15.30 *Lunch*

15.30–17.00 *Short Course* (Great Amphitheater)

Greg Restall (University of Melbourne): The Shape of Proofs: infer-  
ence and meaning in classical and non-classical logics.

17.00–17.30 *Coffee break* (Annex to Great Amphitheater)

17.30–19.30 *Contributed Talks* (Lecture Rooms  $\Gamma 21$ ,  $\Gamma 22$ ,  $\Gamma 31$  and  $\Gamma 32$ )

MONDAY, AUGUST 1

09.00–9.50 *Plenary Lecture* (Great Amphitheater)

Michael Sheard (Saint Lawrence University): A transactional approach  
to the logic of truth.

10.00–10.50 *Plenary Lecture* (Great Amphitheater)

Helmut Schwichtenberg (University of Munich): Minimal Logic for  
Computable Functionals.

10.50–11.20 *Coffee break* (Annex to Great Amphitheater)

11.20–12.50 *Short Course* (Great Amphitheater)

Peter Aczel (University of Manchester): Constructive Set Theory.

13.00–13.50 *Plenary Lecture* (Great Amphitheater)  
Andre Nies (University of Auckland): Algebras with finite descriptions.

13.50–15.30 *Lunch*

15.30–16.20 *Special Sessions*

- *Computer Science Logic* (Amphitheater 23)

Wiebe van der Hoek (University of Liverpool): Dynamic Epistemic Logic.

- *Philosophical Logic* (Amphitheater 24)

Sara Negri (University of Helsinki): Proof analysis in non-classical logics.

16.30–17.20 *Special Sessions*

- *Computer Science Logic* (Amphitheater 23)

Stephan Kreutzer (Humboldt University of Berlin): Gaifman's theorem and approximation schemes.

- *Philosophical Logic* (Amphitheater 24)

Hannes Leitgeb (University of Salzburg and Stanford University): Type-Free Theory of Modality and Truth.

17.20–17.40 *Coffee break* (Annex to Great Amphitheater)

17.40–20.05 *Contributed Talks* (Lecture Rooms  $\Gamma 21$ ,  $\Gamma 22$ ,  $\Gamma 31$  and  $\Gamma 32$ )

## TUESDAY, AUGUST 2

09.00–9.50 *Plenary Lecture* (Great Amphitheater)

Klaus Weihrauch (University of Hagen): Computable Analysis.

10.00–10.50 *Plenary Lecture* (Great Amphitheater)

Jan Bergstra (University of Amsterdam): Decision problems for push-down threads.

10.50–11.20 *Coffee break* (Annex to Great Amphitheater)

11.20–12.50 *Short Course* (Great Amphitheater)

Peter Aczel (University of Manchester): Constructive Set Theory.

13.00–13.50 *Plenary Lecture* (Great Amphitheater)

Jindrich Zapletal (University of Florida, Gainesville): Forcing Idealized.

13.50–15.30 *Lunch*

15.30–16.20 *Plenary Lecture* (Great Amphitheater)  
Sergey Tupailo (Tallinn University of Technology & Ohio State University): Monotone inductive definitions and consistency of New Foundations.

16.30–17.20 *Plenary Lecture* (Great Amphitheater)  
Justin Moore (Boise State University): Undecidable linear orders.

17.20–17.40 *Coffee break* (Annex to Great Amphitheater)

17.40–20.05 *Contributed Talks* (Lecture Rooms  $\Gamma 21$ ,  $\Gamma 22$ ,  $\Gamma 31$  and  $\Gamma 32$ )

WEDNESDAY, AUGUST 3

09.00–9.50 *Special Sessions*

- *Computability in Analysis* (Amphitheater 23)  
Vasco Brattka (University of Cape Town): Computability in non-separable Banach spaces.
- *Model Theory* (Amphitheater 24)  
Mario Edmundo (University of Lisbon): o-minimal cohomology, definable groups and Lie groups.

10.00–10.50 *Special Sessions*

- *Computability in Analysis* (Amphitheater 23)  
Dieter Spreen (University of Siegen): On some problems in computable topology.
- *Model Theory* (Amphitheater 24)  
Piotr Kowalski (University of Wroclaw): Projective D-varieties over a Hasse field.

10.50–11.20 *Coffee break* (Annex to Great Amphitheater)

11.20–12.10 *Plenary Lecture* (Great Amphitheater)  
Eric Jaligot (University of Paris VII): Simple groups of finite Morley rank.

12.10–12.20 *Closing* (Great Amphitheater)