

2007 EUROPEAN SUMMER MEETING
OF THE ASSOCIATION FOR SYMBOLIC LOGIC
LOGIC COLLOQUIUM '07

Wrocław, Poland
July 14–July 19, 2007

Logic Colloquium 2007, the European Summer Meeting of the Association for Symbolic Logic, took place in Wrocław, Poland, on July 14–19, 2007. Major funding was provided by the Association for Symbolic Logic, the U.S. National Science Foundation, and the University of Wrocław.

The members of the Program Committee were: A. Andretta, F. Delon, U. Kohlenbach, S. Lempp (Chair), P. Maddy, J. Marcinkowski, L. Newelski, A. Pitts, P. Pudlák, S. Solecki, F. Stephan, and G. Sundholm. The success of the meeting owes a great debt to the efforts of the Organizing Committee: T. Jurdzinski, E. Kieronski, P. Kowalski, J. Marcinkowski (Chair), and B. Rusiecka.

The first day of the Logic Colloquium was joint with the Annual IEEE Symposium on Logic in Computer Science (LICS), which immediately preceded the Logic Colloquium. This day featured two joint LC/LICS one-hour invited talks as well as four joint LC/LICS half-hour invited talks.

The Logic Colloquium program included three invited tutorials, eleven invited plenary lectures, twenty-one invited lectures in five special sessions (on logic and analysis, model theory, philosophical and applied logic at the JPL, proof complexity and nonclassical logics, and set theory), and over sixty contributed talks. Logic Colloquium 2007 included 176 participants from twenty-nine countries spread over six continents, including fifty-four students.

The following one-hour invited joint LC/LICS lectures were presented:

Martin Hyland (Cambridge), *Combinatorics of proofs*.

Colin Stirling (Edinburgh), *Higher-order matching, games and automata*.

The following half-hour invited joint LC/LICS lectures were presented:

Cristiano Calcagno (Imperial College), *Can logic tame systems programs?*

Martín Escardó (Birmingham), *Infinite sets that admit exhaustive search*.

Rosalie Iemhoff (Utrecht), *Skolemization in constructive theories*.

Alex Simpson (Edinburgh), *Non-well-founded proofs*.

The following invited tutorials were presented:

Steve Jackson (North Texas), *Cardinal Arithmetic in $L(R)$* .

Bakhadyr Khoussainov (Auckland), *Automatic structures*.

Ya'acov Peterzil (Haifa), *The infinitesimal subgroup of a definably compact group*.

The following one-hour invited plenary lectures were presented:

Albert Atserias (Barcelona), *Structured finite model theory*.

Matthias Baaz (Vienna), *Towards a proof theory of analogical reasoning*.

Vasco Brattka (Cape Town), *Computable analysis and effective descriptive Set Theory*.

Zoé Chatzidakis (Paris 7), *Model theory of difference fields, and some applications*.