THE BULLETIN OF SYMBOLIC LOGIC
Volume 14, Number 4, Dec. 2008

15TH WORKSHOP ON LOGIC, LANGUAGE, INFORMATION AND COMPUTATION (WoLLIC 2008)

CO-SPONSORED BY THE ASSOCIATION FOR SYMBOLIC LOGIC

Edinburgh, Scotland
July 1–4, 2008

The 15th Workshop on Logic, Language, Information and Computation (WoLLIC 2008) was held in Edinburgh, Scotland, from July 1st to 4th, 2008, at Heriot–Watt University. It was the fifteenth in a series of workshops that started in 1994 with the aim of fostering interdisciplinary research in pure and applied logic.

The workshop had the scientific sponsorship of the Association for Symbolic Logic (ASL), the Association for Logic, Language and Information (FoLLI), the Interest Group in Pure and Applied Logics (IGPL), the European Association for Theoretical Computer Science (EATCS), the Brazilian Computer Science Society (SBC), and the Brazilian Logic Society (SBL).

The members of the Program Committee were: Lev Beklemishev (Utrecht), Eli Ben-Sasson (Technion), Xavier Caicedo (Universidad de los Andes, Colombia) Mary Dalrymple (Oxford) Martín Escardò (Birmingham), Wilfrid Hodges (Queen Mary, University of London) (Chair), Achim Jung (Birmingham), Louis Kauffman (University of Illinois at Chicago), Ulrich Kohlenbach (Darmstadt), Leonid Libkin (Edinburgh), Giuseppe Longo (École Normale Supérieure, Lyon), Michael Moortgat (Utrecht), Valeria de Paiva (Cuill, USA), Andre Scedrov (University of Pennsylvania), Valentin Shehtman (Institute for Information Transmission Problems, Moscow), Joe Wells (Heriot–Watt University, Scotland).

The Organizing Committee members were: Mauricio Ayala-Rincon (Universidade de Brasília, Brazil), Fairouz Kamareddine (Heriot–Watt University, Scotland) (co-chair), Anjolina G. de Oliveira (Universidade Federal de Pernambuco, Brazil), Ruy de Queiroz (Universidade Federal de Pernambuco, Brazil) (co-chair), Vincent Rahli (Heriot–Watt University, Scotland), Christoph Zengler (Heriot–Watt University, Scotland).

There were seven invited talks:

Olivier Danvy (Aarhus), *Inter-deriving semantic artifacts for object-oriented programming*.
Anuj Dawar (Cambridge, UK), *On the descriptive complexity of linear algebra*.
Makoto Kanazawa (National Institute of Informatics, Japan), *Prefix-correct Earley parsing of mildly context-sensitive languages*.
Sam Lomonaco (University of Maryland, Baltimore), *Quantum knots and mosaics*.
Mark Steedman (Edinburgh), *The grammar of scope*.
Henry Towsner (UCLA), *Applications of proof theory to ergodic Ramsey theory*.
Nikolay Vereshchagin (Moscow University), *On game semantics of the affine and intuitionistic logics*.

1079-8986/08/1404-0006/$1.20

The following tutorial lectures were presented:

On inter-deriving semantic artifacts, by Olivier Danvy.
Descriptive complexity and polynomial time, by Anuj Dawar.
Parsing and generation as Datalog query evaluation, by Makoto Kanazawa.
A Rosetta Stone for quantum computing, by Sam Lomonaco.
Quantum algorithms: past, present, and future, by Sam Lomonaco.

As a special event, there was a screening of the film *Julia Robinson and Hilbert's Tenth Problem* by George Csicsery.

The Program Committee received 54 complete submissions out of which 21 were selected for presentation at the meeting.

The abstracts of papers presented at the meeting will be published in the ***Logic Journal of the Interest Group in Pure and Applied Logics***, (`http://www.oup.co.uk/igpl`). Volume 5110 of the series *Lecture Notes in Computer Science* (LNAI-FoLLI subseries), published by Springer, contains the proceedings of the meeting. A special issue of ***Journal of Computer and Systems Sciences***, guest edited by W. Hodges and R. de Queiroz, will include the peer-reviewed full versions of papers.

WILFRID HODGES (Program Chair)
FAIROUZ KAMAREDDINE (Organizing Committee Co-Chair)
RUY DE QUEIROZ (Organizing Committee Co-Chair)

Webpage: `http://wollic.org/wollic2008/`