

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.*