

27TH WORKSHOP ON LOGIC, LANGUAGE, INFORMATION
AND COMPUTATION (WoLLIC 2021)

CO-SPONSORED BY THE ASSOCIATION FOR SYMBOLIC LOGIC

Virtual Event
October 5–8, 2021

The 27th Workshop on Logic, Language, Information and Computation (WoLLIC 2021) was held online, hosted as a Zoom Webinar by University College London. It was the twenty-seventh 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), Association for Logic, Language and Information (FoLLI), Interest Group in Pure and Applied Logics (IGPL), European Association for Theoretical Computer Science (EATCS), European Association for Computer Science Logic (EACSL), ACM Special Interest Group on Logic and Computation (ACM-SIGLOG), Brazilian Computer Science Society (SBC), and Brazilian Logic Society (SBL).

The Program Committee was: C. Areces – FaMAF - Universidad Nacional de Córdoba, Argentina, A. A. de Amorim – Boston University, USA, P. Brunet – University College London, UK, N. Gierasimczuk – Technical University of Denmark, Denmark, H. Hvid Hansen – University of Groningen, The Netherlands, J. Hsu – University of Pennsylvania, USA, F. Kamareddine – Heriot-Watt University, UK, S. Kiefer – RWTH Aachen University, Germany, C. Kupke – Strathclyde University, Scotland, K. Mamouras – Rice University, USA, M. V. Martinez – Universidad de Buenos Aires, Argentina, L. Moss – Indiana Univ, USA, C. Nalon – University of Brasilia, Brazil, V. de Paiva – Samsung Research, USA, and Univ Birmingham, UK, E. Pimentel – UFRN, Brazil, R. Ramanayake – University of Groningen, The Netherlands, J. Rot – Radboud University, The Netherlands, A. Silva – Cornell Univ, USA (Co-Chair), C. Tasson – IRIF, France, S. Terwijn – Radboud University, The Netherlands, R. Wassermann – Univ São Paulo, Brazil (Co-Chair).

The Organizing Committee was: A. Silva (Co-Chair), R. Wassermann (Co-Chair), A. G. de Oliveira, R. de Queiroz (co-chair).

There were four invited talks:

Catarina Dutilh Novaes (VU Amsterdam, The Netherlands), *The Dialogical Roots of Deduction*.

Santiago Figueira (Universidad de Buenos Aires, Argentina), *Finite Controllability for Ontology-Mediated Query Answering of CRPQ*.

Andreas Herzig (IRIT, France), *Belief, knowledge and common knowledge about a proposition*.

Cláudia Nalon (UnB, Brazil), *Efficient reductions for automatic deduction in modal logics*.

There was a special session with the exhibition of a one-hour documentary film about a remarkable mathematician whose contributions were recognized with a Fields Medal just a few years before her untimely death. It is a joint production of The Mathematical Sciences Research Institute (MSRI) and George Csicsery (Zala Films): ‘Secrets of the Surface - The Mathematical Vision of Maryam Mirzakhani’. “The biographical film is about Maryam Mirzakhani, a brilliant woman, and Muslim immigrant to the United States who became a superstar in her field.” (<http://www.zalafilms.com/secrets/>)

The Program Committee received 44 submissions each of which was reviewed by at least 3 program committee members. The committee decided to accept 25 papers.

The abstracts of papers presented at the meeting will be published in the *Logic Journal of the Interest Group in Pure and Applied Logics* (Oxford U Press). The proceedings of the meeting were published as Vol. 13038 of Springer series *Lecture Notes in Computer Science* (FoLLI subseries). A special issue of the *Journal of Logic and Computation* (Oxford Univ Press), guest edited by A. Silva, R. Wassermann and R. de Queiroz, will include the peer-reviewed full versions of a selection of papers.

ALEXANDRA SILVA (Program Co-Chair)
RENATA WASSERMANN (Program Co-Chair)
RUY DE QUEIROZ (Org Comm Co-Chair)
Webpage: <http://wollic.org/wollic2021/>