

Preface

This volume contains the papers presented at the 23rd Workshop on Logic, Language, Information and Computation (WoLLIC 2016) held during August 16–19, 2016, at the Department of Computer Science, Benemérita Universidad Autónoma de Puebla, Puebla, Mexico. The WoLLIC series of workshops started in 1994 with the aim of fostering interdisciplinary research in pure and applied logic. The idea is to have a forum that is large enough in the number of possible interactions between logic and the sciences related to information and computation, and yet is small enough to allow for concrete and useful interaction among participants.

There were 41 submissions this year. Each submission was reviewed by at least three Program Committee members. The committee decided to accept 23 papers. The program also included six invited lectures by Pablo Barceló (Universidad de Chile, Chile), Dana Bartošová (University of São Paulo, Brazil), Johann A. Makowsky (Technion - Israel Institute of Technology, Israel), Alessandra Palmigiano (TU Delft, The Netherlands), Sonja Smets (University of Amsterdam, The Netherlands), and Andrés Villaveces (Universidad Nacional de Colombia, Colombia). There were also five tutorials given by Barceló, Makowsky, Palmigiano, Smets, and Villaveces.

As a tribute to a recent breakthrough in mathematics, there was also a screening of Csicsery’s “Counting from Infinity: Yitang Zhang and the Twin Prime Conjecture” (2015), which centers on the life and work of Yitang Zhang in the celebrated twin prime conjecture, his result being that there are infinitely many pairs of primes separated by at most 70 million.

We would very much like to thank all Program Committee members and external reviewers for the work they put into reviewing the submissions. The help provided by the EasyChair system created by Andrei Vorokonkov is gratefully acknowledged. Finally, we would like to acknowledge the generous financial support by the Benemérita Universidad Autónoma de Puebla’s Department of Computer Science, and the scientific sponsorship of the following organizations: Interest Group in Pure and Applied Logics (IGPL), The Association for Logic, Language and Information (FoLLI), Association for Symbolic Logic (ASL), European Association for Theoretical Computer Science (EATCS), European Association for Computer Science Logic (EACSL), Sociedade Brasileira de Computação (SBC), and Sociedade Brasileira de Lógica (SBL).

May 2016

Åsa Hirvonen
Ruy de Queiroz
Jouko Väänänen

Logic, Language, Information, and Computation
23rd International Workshop, WoLLIC 2016, Puebla,
Mexico, August 16-19th, 2016. Proceedings
Väänänen, J.; Hirvonen, Å.; de Queiroz, R. (Eds.)
2016, XXII, 447 p. 32 illus., Softcover
ISBN: 978-3-662-52920-1