

Preface

This volume contains the papers presented at the 22nd Workshop on Logic, Language, Information and Computation (WoLLIC 2015) held during July 19–22, 2015, at the Department of Computer Science, Indiana University, Bloomington, Indiana, USA. 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 44 submissions, and each submission was reviewed by at least three Program Committee members. The committee decided to accept 14 papers. The program also included eight invited lectures by Adriana Compagnoni (Stevens Institute, USA), Nina Gierasimczuk (University of Amsterdam, The Netherlands), John Harrison (Intel, USA), Peter Jipsen (Chapman University, USA), André Joyal (University of Québec Montréal, Canada), Chung-chieh Shan (Indiana University, USA), Alexandra Silva (Radboud University Nijmegen, The Netherlands) and Mehrnoosh Sadrzadeh (Queen Mary University of London, UK). There were also four tutorials given by Nina Gierasimczuk, John Harrison, André Joyal, and Alexandra Silva.

In remembrance of the 30th anniversary of the death of Julia Hall Bowman Robinson (December 8, 1919 – July 30, 1985), the American mathematician best known for her work on decision problems, the program of the meeting included a screening of George Csicsery’s documentary “Julia Robinson and Hilbert’s Tenth Problem” (2008). 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, the result that there are infinitely pairs of primes separated by at most 70 million.

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