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

CONFERENCE ON COMPUTABILITY, COMPLEXITY AND RANDOMNESS

CO-SPONSORED BY ASSOCIATION OF SYMBOLIC LOGIC

Nanjing University, China
May 19–23, 2008

The conference "Computability, Complexity, and Randomness" was held at the Institute of Mathematical Science, Nanjing University, China, on May 19–23, 2008. It was the third in a series of workshops that started in Córdoba, Argentina in 2004.

The members of the Program Committee included: Verónica Becher (University of Buenos Aires, Argentina), Rod Downey (Victoria University, Wellington, New Zealand), Denis Hirschfeldt (University of Chicago, USA), Jack Lutz (Iowa State University, USA), Wolfgang Merkle (Universität Heidelberg, Germany), Joseph Miller (University of Connecticut, USA), and Liang Yu (Nanjing University, China). The conference was organized by Jinhe Chen (Nanjing University, China), Decheng Ding (Nanjing University, China), and Liang Yu (Nanjing University, China). We also thank the volunteers from Nanjing University: Yun Fan, Yangbang Song, and Yatao Xu. The meeting was sponsored by the National Science Funds of China, the Association of Symbolic Logic, and Nanjing University.

There were thirteen plenary talks:

George Barmpalias (Victoria University of Wellington, New Zealand), *Π^0_1 classes, PA and relative randomness*.

Verónica Becher (University of Buenos Aires, Argentina), *Randomness related to usual mathematical notions*.

CT Chong (National University of Singapore, Singapore), *Hyperimmune-free sets beyond ω*.

Rod Downey (Victoria University of Wellington, New Zealand), *Degrees of reals of high packing dimension*.

Noam Greenberg (Victoria University of Wellington, New Zealand), *More on strongly jump-traceable reals*.

Antonin Kučera (Charles University, Czech Republic), *Diagonalization and randomness*.

Bjørn Kjos-Hanssen (University of Hawaii at Manoa, USA), *Effective Fourier dimension*.

Steffen Lempp (University of Wisconsin-Madison, USA), *Separating notions of randomness*.

Antonio Montalbán (University of Chicago, USA), *On the two quantifier theory of structure of Turing degrees below the halting problem*.

Jan Reimann (University of California at Berkeley, USA), *Effective geometric measure theory*.

Stephen Simpson (Pennsylvania State University, USA), *Mass problems*.

Frank Stephan (National University of Singapore, Singapore), *Universal recursively enumerable sets of strings*.

1079-8986/08/1404-0005/$1.20

Xishun Zhao (Sun Yat-Sen University, China), *Model theory and complexity of quantified boolean formulas*.

Eight contributed talks were presented. Andre Nies participated in the conference via skype video; his talk was presented by Joseph Miller. The slides of all talks are available at the conference home page: `http://ims.nju.edu.cn/conference/randomness`.

The Organizers
JINHE CHEN
DECHENG DING
LIANG YU