



4th IOI Conference August 16 and 18, 2010

Preliminary Programme

This is the fourth OLYMPIADS IN INFORMATICS conference organized during the IOI in Waterloo, Canada.

All papers are published in OLYMPIADS IN INFORMATICS journal. See website: http://www.mii.lt/olympiads_in_informatics/contents.htm

PRESENTATIONS

16 August, 2010

- 10.00-10.15 Opening
- 10.15-10.45 **Benjamin A. Burton** (Australia). Encouraging algorithmic thinking without a computer
- 10.45-11.15 Marcin Kubica, **Jakub Radoszewski** (Poland). Algorithms without programming
- 11.15-11.45 **Marina Tsvetkova** (Russia). The Olympiad in Informatics as a part of the state program of school informatization in Russia
- 11.45-12.15 *Coffee break*
- 12.15-12.30 **Vladimir M. Kiryukhin** (Russia). Influence of the State School Education Standard on results of performance of the Russian pupils on the IOI
- 12.30-13.00 **Vladimir M. Kiryukhin**, Marina Tsvetkova (Russia). Strategy of I²T skills teachers and Olympiad Informatics coaches development
- 13.00-13.15 **David Ginat**, Ela Zur, Tamar Benaya (Israel). International Olympiads in Informatics – Israeli team selection and training
- 13.15-13.30 **Pavel S. Pankov** (Kyrgyzstan). Real processes as sources for tasks in Informatics

18 August, 2010

- 10.00-10.30 **Tom Verhoeff** (The Netherlands). An enticing environment for programming
- 10.30-10.45 **Krassimir Manev**, Biserka Yovcheva, Milko Yankov, Peter Perov (Bulgaria). Testing of programs with random generated test cases
- 10.45-11.00 **Bruce Merry** (UK) Performance analysis of sandboxes for reactive tasks
- 11.00-11.30 **Hong Wang**, Baolin Yin, Rujia Liu, Wenbin Tang, Weidong Hu (China). Selection mechanism and task creation of Chinese National Olympiad in Informatics
- 11.30-11.45 **Brian Marshal**, Ilham W. Kurnia (Indonesia). Indonesian Olympiad in Informatics
- 11.45-12.15 *Coffee break*
- 12.15-12.30 **Tocho Tochev**, Tsvetan Bogdanov (Bulgaria). Validating the security and stability of the grader for a programming contest system
- 12.30-12.45 **Wolfgang Pohl**, et. all. About IOI workshop in Dagstuhl, 16-19 May 2010
- 12.45-13.30 Discussion