

## MFCS & CSL 2010 Satellite Workshops: Selected Papers

### Preface

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In the year 2010, the 35th International Symposiums on Mathematical Foundations of Computer Science (MFCS 2010) and the 19th EACSL Annual Conferences on Computer Science Logic (CSL 2010) were federated and organized in parallel by Masaryk University in Brno, Czech Republic.

The MFCS symposia, organized since 1972, encourage high-quality research in all branches of theoretical computer science. The broad scope of MFCS provides an opportunity to bring together researchers who do not usually meet at specialized conferences.

Computer Science Logic (CSL) is the annual conference of the European Association for Computer Science Logic (EACSL). The conference is intended for computer scientists whose research activities involve logic, as well as for logicians working on issues significant for computer science.

The federated MFCS & CSL 2010 conference was accompanied by 13 satellite workshops on more specialized topics in contemporary computer science and logic. This special issue consists of selected papers presented at MFCS & CSL 2010 satellite workshops. Seven papers were identified as candidates for inclusion in this issue by the organizers of the following workshops:

- International Workshop on Reachability Problems (organized by *Antonín Kučera* and *Igor Potapov*).
- Mathematical Foundations of Fuzzy Logics (organized by *Agata Ciabattoni*).
- Parametrized Complexity of Computational Reasoning (organized by *Stefan Szeider*).
- Randomized and quantum computation (organized by *Rūsiņš Freivalds*).

All papers were reviewed according to journal standards and eventually accepted for this issue.

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