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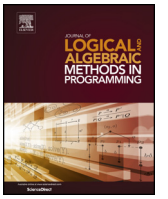

Preface

Selected papers on Programming Language Approaches to Concurrency and Communication-cEntric Software (PLACES 2014)

This issue contains extended versions of selected papers of the 7th international workshop on Programming Language Approaches to Concurrency and Communication-cEntric Software (PLACES), held on April 12, 2014, in Grenoble, France. For the 2014 edition of the workshop nine papers had been accepted by the program committee. A separate for call for submissions for the Special Issue was subsequently issued. Four papers were submitted and, after extensive reviewing, two were finally accepted.

The article by Francesco Tiezzi and Nobuko Yoshida, *Reversible session-based pi-calculus* introduces the possibility of reversing computations in the typed synchronous pi-calculus with binary session types. The framework proposed allows for a party to partially undo a session, to start a different communication path or to completely roll back the interaction to start a new session.

The article by Tzu-Chun Chen, *Lightening global types*, proposes rewriting global multiparty session types by removing redundant message exchanges. The thus obtained type is equivalent to the original type in the sense that non-redundant communications are preserved.

We are grateful to all the members of PLACES 2014 program committee, and in particular to the reviewers of these selected papers some of whom have not been involved in program committee. For the preparation of this special issue we would moreover like to thank Rocco de Nicola, the editor in chief of the Journal of Logical and Algebraic Methods in Programming, and Alberto Lluch Lafuente, the editorial manager, for their always prompt help with all sorts of questions.

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