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# The Journal of Logic and Algebraic Programming

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## Editorial

## Guest Editors' Foreword

This issue of J LAP is devoted to selected papers from the 16th Nordic Workshop on Programming Theory (NWPT 2006). The workshop took place in Reykjavik, Iceland, in the period 18–20 October 2006. The NWPT series of annual workshops is a forum bringing together programming theorists from the Nordic and Baltic countries (but also elsewhere). The six papers in this volume reflect the breadth of NWPT 2006. They explore different areas of research in the theoretical underpinnings of the science of programming and in their applications, contributing:

- a model for applications running on multiprocessor platforms (Brekling, Hansen and Madsen),
- a detailed study of a new variation on the model of modal transition systems (Fecher and Schmidt),
- a backward type analysis for a kernel language with asynchronous method calls and processor release points (Johnsen and Yu),
- an exploration of logical concepts in cryptography (Kramer),
- a pathway analysis based on static analysis techniques from programming languages (Pilegaard, Nielson and Nielson), and
- a method for describing data-flow analyses based program optimizations as compositional type systems with a transformation component (Saabas and Uustalu).

We thank the colleagues who submitted papers to the special issue, the expert referees who devoted their time and effort to the evaluation of the submissions and all of the participants in the workshop for their contributions to the meeting and to the special issue.

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