MACQUARIE COMPUTING REPORTS

PROCEEDINGS OF THE EIGHTH INTERNATIONAL SYMPOSIUM ON LANGUAGES FOR INTENSIONAL PROGRAMMING

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Preface

These are the pre-proceedings of ISLIP'95, the Eighth International Symposium on Languages for Intensional Programming, which is being held at Macquarie University, Sydney, Australia. It reproduces the successful submissions to the Symposium.

At ISLIP'95, Ed Ashcroft had confessed that he did not expect ISLIP's to be as persistent as they had proved to be. We have another proof of their persistence: ISLIP'95 is not only the 8th in its series, but also the first ISLIP ever to be held outside Canada and U.S.A. We are delighted that this year it is being held in Sydney, Australia. Macquarie University partly sponsors ISLIP'95, and there is a strong Australian presence at the Symposium. So, the choice for the venue was timely!

ISLIP'95 is also the first in its series with a new reading of the acronym “ISLIP”, which originally stood for International Symposium on Lucid and Intensional Programming. There are now many examples of other intensional languages and systems, and their applications, which go beyond Lucid research; for example, spreadsheets, dataflow computation, attribute grammars, version control, temporal databases, executable temporal/modal logics, realtime languages, to name a few. In other words, the headlong development of intensional programming has many heads, and this fact is now reflected in the new reading of the acronym “ISLIP” (and in the selection of papers in front of you).

On behalf of the Program Committee, we would like to express our sincere gratitude to the authors, session chairpersons, and the reviewers who provided us with timely and helpful evaluations. Your task, as authors at ISLIP'95, is not finished yet though—ISLIP'95 will be the first ISLIP whose proceedings will be published as a book by a major publishing company, namely, World-Scientific. We even have a deadline of mid-July 1995 for the submission of the final polished papers. The proceedings will complement the new Lucid book published by Oxford University Press in January 1995. Let’s get to work!

Sydney, Australia
May 1995

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Contents

Preface ii

Invited Talks

A Functional Extension to Lustre
Paul Caspi & Marc Pouzet, Laboratoire VERIMAG, France 1

Multidimensional Program Verification
Edward Ashcroft, Arizona State university, USA 12

Relative Debugging using Multiple Program Versions
David Abramson & R. Sostić, Griffith University, Australia 14

Possible WOOrlds
William Wadge, University of Victoria, Canada 16

GLUing

Portfolio - A Graphical System for GLU Programming
R. Jagannathan, SRI International, USA 20

Rank Analysis in the GLU Compiler
Chris Dodd, SRI International, USA 27

GLU for Multidimensional Signal Processing
Iskender Agi, SRI International, USA 32

Programming Paradigms

Distributed Programming based on Graphs
Jianrong Cao & Lichuha Fernando, University of Adelaide, Australia
Kang Zhang, Macquarie University, Australia 41

Building Logic Constructs into Procedural Programming Languages
Yaowei Liu, Nanyang Technological University, Singapore
John Staples, University of Queensland, Australia 50

Dataflow Architecture

ALFA Fine Grain Dataflow Machine
Lorenzo Verdoscia, IRSIP/CNR - Napoli, Italy and ICSI - Berkeley, USA 60

Applications

A New Stream Processing Language
John Plaice, Laval University, Canada
Yannis Haralambous, France 72

Particle Simulation with Lucid
John Plaice & Joey Paquet, Laval University, Canada 86
Specification & Verification
Real-Time Object-Oriented Specification and Verification
Satoshi Yamane, Shimane University, Japan

Verifying MULTTRAN Programs with Temporal Logic
Wanli Ma, Australian National University, Australia
Mehmet A. Orgun, Macquarie University, Australia

Intensional Concepts
The Possible-World Wide Web
Alan Yoder, University of Notre Dame, USA
William Wadge, University of Victoria, Canada

The Intensional Relation
John Plaice & Joey Paquet, Laval University, Canada

Extending the Intensionalization Algorithm to a Broader Class of Higher-Order Programs
P. Rondogiannis & William Wadge, University of Victoria, Canada

Concurrency
A Calculus based on Absence of Actions
Padmanabhan Krishnan, University of Canterbury, New Zealand

Choice is Not Just Non-Determinism
Richard Buckland, Macquarie University, Australia

Logic Programming
A Meta-Level Approach to Modal Logic Programming
Seiki Akama, Teikyo Heisei University, Japan

Fuzzy Temporal Prolog
Tu Van Le, University of Canberra, Australia

Knowledge-based Simulation with Chronolog
Chuchang Liu & Mehmet A. Orgun, Macquarie University, Australia

Author Index
Author Index

- Abramson, David ............................................... 14
- Agi, Iskender .................................................. 32
- Akama, Seiki ..................................................... 161
- Ashcroft, Edward A. ........................................... 12
- Buckland, Richard ............................................. 157
- Cao, Jiannong .................................................. 41
- Caspi, Paul ....................................................... 1
- Dodd, Chris ...................................................... 27
- Fernando, Luchuha ............................................. 41
- Haralambous, Yannis .......................................... 72
- Jagannathan, R. ............................................... 20
- Krishnan, Padmanabhan ...................................... 149
- Liu, Chuchang .................................................. 175
- Liu, Yaowei ..................................................... 50
- Ma, Wanli ....................................................... 120
- Orgun, Mehmet A. ............................................. 120, 175
- Paquet, Joey .................................................... 86, 142
- Plaice, John ..................................................... 72, 86, 142
- Pouzet, Marc ................................................... 1
- Rondogiannis, P. ................................................. 144
- Sosić, R. .......................................................... 14
- Staples, John .................................................... 50
- Van Le, Tu ....................................................... 169
- Verdoscia, Lorenzo ........................................... 60
- Wadge, William W. ............................................. 16, 135, 144
- Yamane, Satoshi ............................................... 97
- Yoder, Alan ..................................................... 135
- Zhang, Kang ..................................................... 41