Contents

Eliminating Irrelevant Non-determinism in Functional Logic Programs .... 1
Sergio Antoy and Michael Hanus

Canonicalizing High-Level Constructs in Picat ......................... 19
Neng-Fa Zhou and Jonathan Fruhman

An Overview of PpLog ............................................... 34
Besik Dundua, Temur Kutsia, and Klaus Reisenberger-Hagmayer

Integrating Answer Set Programming with Object-Oriented Languages .... 50
Jakob Rath and Christoph Redl

Extending Answer Set Programs with Interpreted Functions
as First-Class Citizens .............................................. 68
Christoph Redl

Lowering the Learning Curve for Declarative Programming:
A Python API for the IDP System .................................. 86
Joost Vennekens

Failing Faster: Overlapping Patterns for Property-Based Testing ......... 103
Jonathan Fowler and Graham Hutton

Boltzmann Samplers for Closed Simply-Typed Lambda Terms .......... 120
Maciej Bendkowski, Katarzyna Grygiel, and Paul Tarau

Selection Equilibria of Higher-Order Games .......................... 136
Jules Hedges, Paulo Oliva, Evguenia Shprits, Viktor Winschel,
and Philipp Zahn

DALI for Cognitive Robotics: Principles and Prototype Implementation .... 152
Stefania Costantini, Giovanni De Gasperis, and Giulio Nazzicone

Funky Grooves: Declarative Programming of Full-Fledged
Musical Applications ............................................... 163
Henrik Nilsson and Guerric Chupin

A Domain-Specific Language for Software-Defined Radio .............. 173
Geoffrey Mainland

A Declarative DSL for Customizing ASCII Art ........................ 189
Felix S. Klock II
Practical Aspects of Declarative Languages
Lierler, Y.; Taha, W. (Eds.)
2017, X, 215 p. 31 illus., Softcover
ISBN: 978-3-319-51675-2