Workshop on Functional and Logic Programming 1996

Tuesday	January 16
20.00	Dinner Discussion ...

Wednesday	January 17
7.30 - 9.00	Breakfast
9.00	Opening Session: Integration (Chair: Rita Loogen) Yike Guo, Imperial College London, UK: Why Integration ? Harold Boley, DFKI Kaiserslautern, Germany: Functional Logic Integration via Minimal Extensions
10.15	Coffee Break
10.45	Session: Functional Languages (Chair: Henner Kröger) Ricardo Peña, Universidad Complutense de Madrid, Spain: A second year course on data structures based on functional languages Gabriele Keller, TU Berlin, Germany: A Calculational Approach to Flattening Nested Data Parallelism in Functional Languages Matthias Horn, FU Berlin, Germany: Improving Parallel Implementations of Lazy Functional Languages Using Evaluation Transformers
12.30	Lunch
14.30	Session: Program Analysis (Chair: Aart Middeldorp) Peter Thiemann, Uni Tuebingen, Germany: Non-Standard Binding-Time Analysis Salvador Lucas, University of Valencia, Spain: Abstract Interpretation of functional logic languages Frank Zartmann, RWTH Aachen: Strictness and Lazy Narrowing
16.00	Coffee Break
16.45	Session: Concurrency and Control (Chair: Hendrik Lock) Ronald Schoop, AEG Schneider Automation, Germany: Problems and first attempts in using industrial control languages for distributed control Silvia Breitinger, University of Marburg, Germany: EDEN - The Paradise of Parallel and Concurrent Programming
19.00	Dinner
20.00	Meeting of the editorial and executive board of the MIT Press Journal of Functional and Logic Programming

Thursday	January 18
7.30 - 9.00	Breakfast
9.00	Session: Functional Logic Languages (Chair: Michael Hanus) John Lloyd, University of Bristol, UK: Subtypes for ESCHER Herbert Kuchen, Justus Liebig University Giessen, Germany: Higher Order BABEL Christian Prehofer, TU Munich, Germany: Higher-Order Narrowing with Definitional Trees
10.30	Coffee Break
11.00	Session: Narrowing Strategies (Chair: John Lloyd) Taro Suzuki, University of Tsukuba, Japan: Completeness of Narrowing for Orthogonal Conditional Rewrite Systems Aart Middeldorp, University of Tsukuba, Japan: A Deterministic Lazy Narrowing Calculus Michael Hanus, RWTH Aachen, Germany: A Parallel Narrowing Strategy
12.30	Lunch
14.00	Session: Implementation of Narrowing (Chair: Herbert Kuchen) Rémi Legrand, Universite Paris 6, France Implementation of a functional logic language Andy Mueck, Ludwig Maximilians University of Munich, Germany: A Verified Implementation of LI Narrowing
15.00	Coffee Break
16.00	Excursion to Marburg and workshop dinner: departure of bus

Friday	January 19
7.30 - 9.00	Breakfast
9.00	Session: Functional Programming and Constraints (Chair: Ricardo Peña) John Maraist, University of Karlsruhe, Germany: Linear term reduction, recursion and the Girard translations David Albrecht, Monash University, Australia: A functional language for full linear logic Hendrik Lock, University of Karlsruhe, Germany: Propagation-Based Pruning in Complete Solving of Linear Diophantine Equations
10.30	Coffee Break
11.00	Session: Functional Logic Programming and Parallelism (Chair: Silvia Breitinger) Tatsuru Matsushita, University of York, UK: A Functional Translation Scheme for Unary Logic Programs Manuel Chakravarty, TU Berlin, Germany: On the Relation between a Rewriting Computational Model for Functional Logic Languages and Or Parallelism Closing
12.30	Lunch