Final Program

NWPT'00
12^{th} Nordic Workshop on Programming Theory

Bergen, Norway

11 - 13 October 2000

Wednesday October 11th

Funicular to Fløyen 11:00, 11:30, 12:00, 12:30, 13:00, 13:15, 13:30, 13:45, ...
12:00 - 14:00 **Registration and lunch**
14:00 *Opening*

Object-Orientation. *Chair: Magne Haveraaen*
14:00 *Invited Talk.* Ole-Johan **Dahl**: *On the Development of Simula 67*
15:00 Luigia **Petre**: *Components vs. Objects*
15:30 *Invited Talk.* Girts **Linde**: *Towards Cartoon Semantics of Object Modeling*

16:00 - 16:30 *Coffee Break*

Object-Orientation. *Chair: Ole-Johan Dahl*
16:30 Ragnhild Kobro **Runde**: *Towards intuitive specifications with ready relations*
17:00 Einar Broch **Johnsen**: *Composition and Refinement for Partially Described Objects*
17:30 Viorel **Preoteasa**: *A Python Specification of the Tkinter Text-widget*

18:10 Funicular from Fløyen
18:20 Free
19:00 Reception by the City of Bergen, Schøtstuene, Bryggen
20:00 Free

Thursday October 12th

09:00 Funicular to Fløyen

Logic. *Chair: Michal Walicki*
09:15 Anders **Moen**: *The concept 'session' modelled from below*
09:45 Soenke **Magnussen**: *Computer Aided Fusion with LTS*

10:15 - 10:45 *Coffee Break*

Session **A.** Algebraic notions. *Chair: Uwe Wolter*
10:45 Marc **Bezem**: *A simple extensionality criterion for higher-order logic programs*
11:15 Tarmo **Uustalu**: *Strong Dinaturality and Initial Algebras*
11:45 Yngve **Lamo**: *Specifying parameterized programs*

Session **B.** Distributed systems. *Chair: Nisse Husberg*
10:45 Harald **Fecher**: *A Real-Time Process Algebra with Open Intervals and Maximal Progress*
11:15 Timo **Latvala**: *Model Checking LTL Properties of High-Level Petri Nets with Fairness Constraints*
11:45 Gennady **Chugunov**: *Verification of a Simple Distributed Algorithm in Erlang*

12:15 - 14:00 *Lunch Break*

UML. *Chair: Olaf Owe*
14:00 *Invited Talk.* Stuart **Kent**: *UML: Opportunities and Challenges for Formal Methods*
15:00 Demissie **Aredo**: *Encoding Semantics of UML Statecharts in PVS*
15:30 Girts **Linde**: *Equivalence problem of UML composites*

16:00 - 16:30 *Coffee Break*

Session **A.** Verification. *Chair: Michal Walicki*
16:30 Marina **Waldén**: *Case study: A microprocessor development in B*
17:00 Olaf **Owe**: *Reasoning Control in Presence of Dynamic Classes*

Session **B.** Distributed systems. *Chair: Marc Bezem*
16:30 Nisse **Husberg**: *On the Necessity of Using High Level Constructs in the Analysis of Real Systems*
17:00 Annette **Stümpel**: *State Introduction for Stream Processing Functions*
17:30 Viktor **Petersson**: *A randomized subexponential algorithm for parity games*

18:20 Free
20:00 Conference dinner, Hotel Admiral

Friday October 13th

09:00 Funicular to Fløyen

Compiler tools. *Chair: Uwe Wolter*
09:15 Otto Skrove **Bagge**: *A C++ Transformation Framework*
09:45 Jose Emilio **Labra Gayo**: *Modular Development of Interpreters from Semantic Building Blocks*

10:15 - 10:45 *Coffee Break*

Language tools. *Chair: Magne Haveraaen*
10:45 Jan **Heering**: *Language Design Assistants as Knowledge-Based Systems*
11:15 Kazuhiko **Kakehi**: *Recursion Removal using Assignments*
11:45 *Invited Talk.* Varmo **Vene**: *Comonadic iteration*

12:15 - *Closing*
12:30 - 14:00 *Lunch Break*
Funicular from Fløyen 13:00, 13:15, 13:30, 13:45, 14:00, 14:15, ...