



UNIVERSITY OF STIRLING



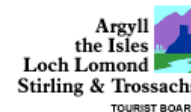
**Other events:**

*Mathematics of Program Construction* runs on Monday-Wednesday in Cottrell B4, and *Constructive Methods for Parallel Programming* runs on Wednesday in Cottrell B3. There are separate timetables for these workshops.

**Available Rooms:**

AMAST and ARTS talks take place in Cottrell lecture theatre V1. Tea and coffee will be served in room 2V3; extra lounge seating is provided in 2V2. Additional meeting space is available in seminar rooms 2B121 and 2B129.

**AMAST 2004 is sponsored by:** the Engineering and Physical Sciences Research Council; the London Mathematical Society; the Edinburgh Mathematical Society; BCS-FACS; Springer LNCS; Argyll, the Isles, Loch Lomond, Stirling and Trossachs Tourist Board; the Department of Computing Science and Mathematics, the University of Stirling; Stirling Council



# AMAST 2004

## *10<sup>th</sup> International Conference on Algebraic Methodology and Software Technology*

July 12<sup>th</sup> -16<sup>th</sup> 2004

University of Stirling,  
Scotland, UK

Timetable

## AMAST 2004 schedule of talks

	Monday 12	Tuesday 13	Wednesday 14	Thursday 15	Friday 16
0900	9:15 welcome	<b>Batory:</b> A Science of Software Design	<b>Meyer:</b> Agent-Oriented Programming: where do we stand?	<b>Bidoit:</b> Glass Box and Black Box Views of State-Based System Specifications	<b>Jacobs:</b> Counting Votes with Formal Methods
0930	<b>Calder:</b> Abstraction for Safety, Induction for Liveness				
1000					
		<b>Moller &amp; Struth:</b> Modal Kleene Algebra and Partial Correctness	<b>Garavel &amp; Serwe:</b> State Space Reduction for Process Algebra Specifications	<b>Thati, Talcott et al:</b> Techniques for Executing and Reasoning about Specification Diagrams	<b>Imine, Molli et al:</b> Deductive Verification of Distributed Groupware Systems
1030	<b>Wang:</b> Model-Checking Distributed Real-Time Systems with States, Events and Multiple Fairness Assumptions	<b>Masse:</b> Abstract Domains for Property Checking Driven Analysis of Temporal Properties	<b>Contensin &amp; Pierre:</b> Model-Checking Systems with Unbounded Variables without Abstraction	<b>Turner:</b> Formalising Graphical Behaviour Description	<b>van de Pol &amp; Espada:</b> Modal Abstractions in $\mu$ CRL
1100	coffee	coffee	coffee	coffee	coffee
1130	<b>Groote:</b> Process Analysis Tools for the Next Generation: the $\mu$ CRL toolset	<b>Knapp, Merz et al:</b> On Refinement of Mobile UML State Machines	<b>Farzan, Meseguer et al:</b> Formal JVM Code Analysis in JavaFAN	<b>Heinemann:</b> A Hybrid Logic of Knowledge Supporting Topological Reasoning	<b>Broggi, Canal et al:</b> Behavioural Types and Component Adaptation
1200		<b>Clavel, Marti-Oliet et al:</b> Formalizing and Proving Semantic Relations by Reflection	<b>Schroeder &amp; Mossakowski:</b> Generic Exception Handling and the Java Monad	<b>Kuster-Filipe:</b> Modelling Concurrent Interactions	<b>Pierik &amp; de Boer:</b> Modularity and the Rule of Adaptation
1230	<b>Fokkink &amp; Pang:</b> Formal Verification of Timed Systems using Cones and Foci	<b>Derrick &amp; Smith:</b> Linear Temporal Logic and Z Refinement	<b>Stenzel:</b> A Formally Verified Calculus for Full JavaCard	<b>Sims:</b> Extending Separation Logic with Fixpoints and Postponed Substitution	<b>Riemsdijk, Meyer et al:</b> Semantics of Plan Revision in Intelligent Agents
1300	lunch	lunch	lunch	lunch	lunch
1330					
1400	<b>Guelev:</b> Sharpening the Incompleteness of the Duration Calculus	<b>Jacobs, Marche et al:</b> Formal Verification of a Commercial Smart Card Applet with Multiple Tools	<b>Lindegaard &amp; Haxthausen:</b> Proof Support for RAISE by a Reuse Approach based on Institutions	1345: Excursion to Callander and Loch Lomond	<b>Logozzo:</b> Separate Compositional Analysis of Class-based Object-oriented Languages
1430	<b>Bowman, Gomez et al:</b> A Tool for the Syntactic Detection of Zeno Timelocks in Timed Automata	<b>Fokkink, Groote et al:</b> Verifying a Sliding Window Protocol in $\mu$ CRL	<b>Meseguer &amp; Braga:</b> Modular Rewriting Semantics of Programming Languages		<b>Kouchnarenko &amp; Lanoix:</b> Verifying Invariants of Component-based Systems through Refinement
1500	<b>Mizuno, Mano et al:</b> Name-Passing Style GUI Programming in Pi-Calculus Based Language Nepi	<b>Benedikt &amp; Bruns:</b> On Guard: Producing Run-Time Checks from Integrity Constraints	<b>Hunter, Robinson et al:</b> Flexible Proof Reuse for Software Verification		<b>Hill &amp; Vickers:</b> A Language for Configuring Multi-level Specifications
1530	tea	tea	tea		tea
1600	<b>Donaldson, Miller et al:</b> SPIN-to-GRAPE: A tool for analysing symmetry in Promela models	<b>Denney &amp; Venkatesan:</b> A Generic Software Safety Document Generator	<b>Backhouse:</b> Algebraic Approaches to Problem Generalisation		<b>Jeannot &amp; Serwe:</b> Abstracting Call-Stacks for Interprocedural Verification of Imperative Programs
1630	<b>Qin &amp; Wu:</b> Action Refinement for Real-Time Concurrent Processes with Urgency	<b>Bujorianu &amp; Boiten:</b> Towards Correspondence Carrying Specifications			<b>Shankland, Bryans et al:</b> Expressing Iterative Properties Logically in a Symbolic Setting
1700	bus leaves for Stirling Council Chambers	<b>Sun &amp; Barbosa:</b> On Refinement of Generic State-based Software Components			<b>End of AMAST 2004</b>
1730					
1800	Provost's Reception (ends 1930)			Conference Dinner (return to Stirling 2130)	