

WCRE 2004 Schedule

	Monday, Nov 8	Tuesday, Nov 9	Wednesday, Nov 10	Thursday, Nov 11	Friday, Nov 12	
		07:30-09:45 registration				
08:00		08:00-12:00 Room A: <i>SET2004</i> workshop	08:00-12:00 Room B: <i>WARE</i> workshop	08:00-09:00 registration		
09:00			08:30-10:00 Tech. session: <i>Industrial experiences</i> Chair: Giuseppe Visaggio	08:30-10:00 Keynote: Mary Jean Harrold - <i>Static and Dynamic Analyses of Programs with Implicit Control Flow</i> Chair: Andrea de Lucia	08:30-10:00 Tech. session: <i>Metrics-based methods</i> Chair: Spiros Mancoridis	* Unless noted otherwise, all sessions are in room A: Senaatszaal
10:00	10:00-13:30 registration (next to room B)	9:45-10:15 coffee break	10:00-10:30 coffee break	10:00-10:30 coffee break	10:00-10:30 coffee break	* The tutorial and two workshops are in room B: Commissiekamer 3
11:00	10:00-12:30 Room B: walk-in laptop setup clinic (for the tutorial)	<i>SET2004</i> continues	10:30-12:00 Tech. session: <i>Platform and language-specific re-engineering</i> Chair: Atif Memon	10:30-12:00 Tech. session: <i>Low-level transformations</i> Chair: Arie Van Deursen	10:30-11:30 Tech. session: <i>Clustering</i> Chair: Ken Wong	* All lunches and tool demos are in the Frans van Hasselt zaal
12:00		12:00-13:30 lunch	12:00-13:30 lunch and tool demos	12:00-13:30 lunch	11:30-12:00 closing	
13:00						* The conference banquet is at restaurant "de Prinsenkelder" Schoolstraat 11, Delft, tel: 015-212 1860
14:00	13:30-17:30 Room B - Tutorial: <i>Virus Analysis: Techniques Tools and Research Issues</i> by A. Lakothia and M.P. Venable	13:30-15:00 Keynote: Jean Bézin - <i>Model Engineering for Software Modernization</i> Chair: Leon Moonen	13:00-15:00 Tech. session: <i>Pattern discovery (a)</i> Chair: Ying Zou	13:30-15:00 Tech. session: <i>Pattern discovery (b)</i> Chair: Rainer Koschke	13:30-17:30 Room A: <i>ATEM2004</i> workshop	13:30-17:30 Room B: <i>Wrapping Techniques</i> workshop
15:00	15:15-15:45 coffee break	15:00-15:30 coffee break	15:00-15:30 coffee break	15:00-15:30 coffee break	15:15-15:45 coffee break	
16:00	Tutorial continues	15:30-18:00 social event	15:30-17:30 Tech. session: <i>Visualization</i> Chair: Mike Godfrey	15:30-17:30 Tech. session: <i>Extracting high-level information</i> Chair: Andreas Winter	<i>ATEM2004</i> continues	<i>Wrapping Techniques</i> continues
17:00						
18:00						
19:00		18:00-20:30 reception and poster session		19:00-... conference banquet at de Prinsenkelder		
20:00						

11th IEEE Working Conference on Reverse Engineering – WCRE 2004

November 8-12, 2004, Delft University of Technology, the Netherlands

Detailed Program

Monday, November 8, 2004

10:00-13:30	Registration (next to Room B)
10:00-12:30	Room B - walk-in laptop setup clinic (for the tutorial)
13:30-17:30	Room B - Tutorial: <i>Virus Analysis - Techniques, Tools, and Research Issues</i> , Arun Lakhotia and Michael P. Venable, University of Louisiana at Lafayette, USA
15:15-15:45	Coffee break
15:45-17:30	Room B - Tutorial continues

Tuesday, November 9, 2004

07:30-08:30	Registration	
08:30-12:00	Room A – <i>Workshop on Software Evolution Transformations (SET2004)</i> . Chairs: Ying (Jenny) Zou and Jim Cordy	Room B – <i>Workshop on Aspect Reverse Engineering (WARE)</i> . Chairs: Tom Tourwé, Magiel Bruntink, Marius Marin
09:45-10:15	Coffee break	
10:15-12:00	Room B – SET2004 continues	Room B – WARE continues
12:00-13:30	Lunch	
13:30-15:00	Room A - Keynote, <i>Model Engineering for Software Modernization</i> , Jean Bézivin, University of Nantes, France. Chair: Leon Moonen	
15:00-15:30	Coffee break	
15:30-18:00	Social Event	
18:00-20:30	Reception and Poster Session. Chair: Jim Cordy <ul style="list-style-type: none">• <i>Maintenance and Analysis of Visual Programs - An Industrial Case</i>, M. Karaila and T. Systä• <i>Using DDL to Understand and Modify Simple Scalar</i>, N. Abbas, S. Tambe, and J. Cook• <i>Towards an Effective Approach for Reverse Engineering</i>, V. Garcia, D. Lucredio, A. do Prado, A. Alvaro, and E. de Almeida• <i>A Static Reference Flow Analysis to Understand Design Pattern Behavior</i>, C. Park, Y. Kang, C. Wu, and K. Yi• <i>Generator Code Opaque Recovery of Form-Oriented Web Site Models</i>, D. Draheim, C. Lutteroth, and G. Weber• <i>A Brief Summary of Cognitive Patterns for Program Comprehension</i>, A. Murray and T. Lethbridge• <i>An Initial Experiment in Reverse Engineering Aspects</i>, M. Bruntink, A. van Deursen, and T. Tourwé	

Wednesday, November 10, 2004

08:00-09:00	Registration
08:30-10:00	Room A - Technical Session: <i>Industrial Experiences</i> . Chair: Giuseppe Visaggio <ul style="list-style-type: none"> • <i>Experiences with an Industrial Long-Term Reengineering Project</i>, R. Kollmann • <i>Reengineering Reports</i>, H. Sneed • <i>Using a Decompiler for Real-World Source Recovery</i>, M. Van Emmerik and T. Waddington
10:00-10:30	Coffee break
10:30-12:00	Room A - Technical Session: <i>Platform- and Language-Specific Re-engineering</i> . Chair: Atif Memon <ul style="list-style-type: none"> • <i>Toward Seamless Migration of Java AWT-Based Applications to Personal Wireless Devices</i>, G. Canfora, G. Di Santo, and E. Zimeo • <i>TUAnalyzer - Analyzing Templates in C++ Code</i>, T. Gschwind, M. Pinzger, and H. Gall • <i>Updating Legacy Databases through Wrappers: Data Consistency Management</i>, P. Thiran, G. Houben, J. Hainaut, and D. Benslimane
12:00-13:30	Lunch and Tool Demos. Chair: Ladan Tahvildari <ul style="list-style-type: none"> • <i>XIRC: Cross-Artifact Information Retrieval</i>, M. Eichberg • <i>GLR Parser Generator in Java</i>, M. Hennessy and J.F. Power • <i>VizzAnalyzer: A Reverse Engineering Framework</i>, W. Lowe • <i>Transforming the component Structure of Legacy Software</i>, R.L. Akers and M. Mehlich • <i>Boomerang: A Native Executable Decompiler</i>, M. Van Emmerik and T. Waddington • <i>The Revangie Tool: Generator Code Opaque Recovery of Form-Oriented Web Site Models</i>, D. Draheim, C. Lutteroth, G. Weber • <i>Creole and Zest</i>, R. Lintern, I. Bull, C. Best, and M.A. Storey • <i>Name Resolution in C++ without Expanding Pre-Processing Conditions</i>, M. Mehlich
13:30-15:00	Room A - Technical Session: <i>Pattern Discovery (A)</i> . Chair: Ying (Jenny) Zou <ul style="list-style-type: none"> • <i>Aspect Mining through the Formal Concept Analysis of Execution Traces</i>, P. Tonella and M. Ceccato • <i>Detecting Implicit Collaboration Patterns</i>, G. Arévalo, F. Buchli, and O. Nierstrasz • <i>Identifying Aspects Using Fan-In Analysis</i>, M. Marin, A. van Deursen, and L. Moonen
15:00-15:30	Coffee break
15:30-17:30	Room A - Technical Session: <i>Visualization</i> . Chair: Mike Godfrey <ul style="list-style-type: none"> • <i>A Novel Software Visualisation Model to Support Software Comprehension</i>, M. Pacione, M. Roper, and M. Wood • <i>Exploring Software Evolution Using Spectrographs</i>, J. Wu, R. Holt, and A. Hassan • <i>A Reverse Engineering Approach to Support Software Maintenance: Version Control Knowledge Extraction</i>, X. Wu, A. Murray, M. Storey, and R. Lintern • <i>Insights into System-Wide Code Duplication</i>, M. Rieger, S. Ducasse, and M. Lanza

Thursday, November 11, 2004

8:30-10:00	Room A – Keynote, <i>Static and Dynamic Analyses of Programs with Implicit Control Flow</i> , Mary Jean Harrold, Georgia Institute of Technology, USA
10:00-10:30	Coffee break
10:30-12:00	Room A - Technical Session: <i>Low-Level Transformations</i> . Chair: Arie van Deursen <ul style="list-style-type: none">• <i>Refactoring - Improving Coupling and Cohesion of Existing Code</i>, B. Du Bois, S. Demeyer, and J. Verelst• <i>Loop Squashing Transformations for Amorphous Slicing</i>, L. Hu, M. Harman, R. Hierons, and D. Binkley• <i>Imposing Order on Program Statements to Assist Anti-Virus Scanners</i>, A. Lakhota and M. Mohammed
12:00-13:30	Lunch
13:30-15:00	Room A - Technical Session: <i>Pattern Discovery (B)</i> . Chair: Rainer Koschke <ul style="list-style-type: none">• <i>Fingerprinting Design Patterns</i>, Y. Guéhéneuc, H. Sahraoui, and F. Zaidi• <i>XIRC: A Kernel for Cross-Artifact Information Engineering in Software Development Environments</i>, M. Eichberg, M. Mezini, K. Ostermann, and T. Schäfer• <i>Quantifying the Quality of Object-Oriented Design: The Factor-Strategy Model</i>, R. Marinescu and D. Ratiu
15:00-15:30	Coffee break
15:30-17:30	Room A - Technical Session: <i>Extracting High-Level Information</i> . Chair: Andreas Winter <ul style="list-style-type: none">• <i>CacOphoNy: Metamodel-Driven Architecture Recovery</i>, J. Favre• <i>An Information Retrieval Approach to Concept Location in Source Code</i>, A. Marcus, A. Sergeyev, V. Rajlich, and J. Maletic• <i>Model-Driven Business Process Recovery</i>, Y. Zou, T. Lau, K. Kontogiannis, T. Tong, and R. McKegney• <i>Combined Software and Hardware Comprehension in Reverse Engineering</i>, P. LaRoche and A. Cox
19:00-...	Conference banquet

Friday, November 12, 2004

08:30-10:00	Room A - Technical Session: <i>Metrics-Based Methods</i> . Chair: Spiros Mancoridis <ul style="list-style-type: none"> • <i>An Initial Approach to Assessing Program Comprehensibility Using Spatial Complexity, Number of Concepts and Typographical Style</i>, A. Mohan, N. Gold, and P. Layzell • <i>Slice-Based Cohesion Metrics and Software Intervention</i>, T. Meyers and D. Binkley • <i>The Efficiency of Specification Fragments</i>, A. Lakhotia and M. Mohammed 	
10:00-10:30	Coffee break	
10:30-11:30	Room A - Technical Session: <i>Clustering</i> . Chair: Ken Wong <ul style="list-style-type: none"> • <i>The Small World of Software Reverse Engineering</i>, A. Hassan and R. Holt • <i>A Framework for the Comparison of Nested Software Decompositions</i>, M. Shtern and V. Tzerpos 	
11:30-12:00	Room A - Closing	
12:00-13:30	Lunch	
13:30-17:30	Room A – <i>Second International Workshop on Meta-Models, Schemas and Grammars for Reverse Engineering (ATEM2004)</i> . Chairs: Andreas Winter, Jean-Marie Favre, and Mike Godfrey	Room B – <i>Workshop on Wrapping Techniques for Legacy Systems</i> . Chairs: Philippe Thiran and Willem-Jan van den Heuvel
15:15-15:45	Coffee break	
15:45-17:30	Room A – <i>ATEM2004</i> continues	Room B – <i>Wrapping Techniques</i> continues

Remarks

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- The conference banquet is at restaurant "de Prinsenkelder", Schoolstraat 11, Delft, tel: 015-212 1860