
# EuroSys 2009 Conference Programme

| | Morning 1 (9:00-10:30) | Morning 2 (11:00-12:30) | Afternoon 1 (14:00-15:30) | Afternoon 2 (16:00-17:30) | Evening |
|---|---|---|---|---|---|
| Tuesday, 31st March | Workshop / Tutorial | Workshop / Tutorial | Workshop / Tutorial | Workshop / Tutorial | *Welcome reception (starting at 19:00)* |
| Wednesday, 1st April | *Welcome/logistics (8:45-9:00)* 1. Cloud computing | 2. Defending against bad things | 3. OS mechanisms | 4. Handling data | *EuroSys AGM, posters session, beer tasting (starting at 18:00)* |
| Thursday, 2nd April | 5. Real, running systems | 6. Promises for the future | 7. Posters | 8. Clients and the web | *Banquet dinner (starting at 20:00)* |
| Friday, 3rd April | 9. Helping programmers | 10. Power and provisioning *Farewell / wrap-up (12:30-13:00)* | - | - | - |

Coffee breaks are scheduled between the morning and afternoon sessions (i.e., 10:30-11:00 and 15:30-16:00), being served in Foyer II of the WiSo building. Lunch is scheduled 12:30-14:00, taking place at Mensa Insel Schütt.

## Tuesday, 31st March

### Day: Workshops and tutorials

*For details about the workshop and tutorial programs and schedules, please refer to the workshops and tutorials pages.*

### Evening: Welcome reception (starting at 19:00)

*Details will be published here soon.*

## Wednesday, 1st April

### Welcome / logistics (8:45-9:00)

### Session 1: Cloud computing (9:00-10:30)

Chair: Bianca Schroeder (University of Toronto)

**SnowFlock: Rapid Virtual Machine Cloning for Cloud Computing**
*H. Andres Lagar-Cavilla (University of Toronto), Joseph A. Whitney (University of Toronto), Adin Scannell (University of Toronto), Stephen M. Rumble (University of Toronto), Philip Patchin (University of Toronto), Eyal de Lara (University of Toronto), Michael Brudno (University of Toronto), M. Satyanarayanan (Carnegie Mellon University)*

**Automated Control of Multiple Virtualized Resources**
*Pradeep Padala (University of Michigan), Kai-Yuan Hou (University of Michigan), Xiaoyun Zhu (VMWare Inc.), Mustafa Uysal (HP Labs), Zhikui Wang (HP Labs), Sharad Singhal (HP Labs), Arif Merchant (HP Labs), Kang G. Shin (University of Michigan)*

**(Short Paper) Improving the Responsiveness of Internet Services with Automatic Cache Placement**
*Alexander Rasmussen (UCSD), Emre Kiciman (Microsoft Research), Benjamin Livshits (Microsoft Research), Madanlal Musuvathi (Microsoft Research)*

### Session 2: Defending against bad things (11:00-12:30)

Chair: Rebecca Isaacs (Microsoft Research Cambridge)

**Orchestra: Intrusion Detection Using Parallel Execution and Monitoring of Program Variants in User-Space**
*Babak Salamat (UC Irvine), Todd Jackson (UC Irvine), Andreas Gal (UC Irvine), Michael Franz (UC Irvine)*

**Multi-Aspect Profiling of Kernel Rootkit Behavior**
*Ryan Riley (Purdue University), Xuxian Jiang (North Carolina State University), Dongyan Xu (Purdue University)*

**Pointless Tainting? Evaluating the practicality of pointer tainting**
*Asia Slowinska (Vrije Universiteit Amsterdam), Herbert Bos (Vrije Universiteit Amsterdam)*

### Session 3: OS mechanisms (14:00-15:30)

Chair: Gernot Heiser (UNSW/NICTA)

**Memory Resource Allocation for File System Prefetching -- From a Supply Chain Management Perspective**
*Zhe Zhang (North Carolina State University), Amit Kulkarni (North Carolina State University), Xiaosong Ma (North Carolina State University and Oak Ridge National Lab), Yuanyuan Zhou (University of Illinois at Urbana-Champaign)*

**Towards Practical Page Coloring-based Multicore Cache Management**
*Xiao Zhang (University of Rochester), Sandhya Dwarkadas (University of Rochester), Kai Shen (University of Rochester)*

**Fair and Timely Scheduling via Cooperative Polling**
*Charles Krasic (University of British Columbia), Mayukh Saubhasik (University of British Columbia), Anirban Sinha (University of British Columbia), Ashvin Goel (University of Toronto)*

### Session 4: Handling data (16:00-17:30)

Chair: Fernando Pedone (USI/Switzerland)

**SCAN-Lite: Enterprise-wide analysis on the cheap**
*Craig Soules (HP Labs), Kim Keeton (HP Labs), Charles B. Morrey III (HP Labs)*

**Effective and Efficient Compromise Recovery for Weakly Consistent Replication**
*Prince Mahajan (University of Texas at Austin), Ramakrishna Kotla (Microsoft Research, Silicon Valley), Catherine C. Marshall (Microsoft Research, Silicon Valley), Venugopalan Ramasubramanian (Microsoft Research, Silicon Valley), Thomas L. Rodeheffer (Microsoft Research, Silicon Valley), Douglas B. Terry (Microsoft Research, Silicon Valley), Ted Wobber (Microsoft Research, Silicon Valley)*

**Migrating server storage to SSDs: analysis of tradeoffs**
*Dushyanth Narayanan (Microsoft Research Cambridge, UK), Eno Thereska (Microsoft Research Cambridge, UK), Austin Donnelly (Microsoft Research Cambridge, UK), Sameh Elnikety (Microsoft Research Cambridge, UK), Antony Rowstron (Microsoft Research Cambridge, UK)*

### Evening: Eurosys AGM with beer tasting and posters (starting at 18:00)

*Details will be published here soon.*

## Thursday, 2nd April

### Session 5: Real, running systems (9:00-10:30)

Chair: Julia Lawall (DIKU, University of Copenhagen)

**First-Aid: Surviving and Preventing Memory Management Bugs during Production Runs**
*Qi Gao (Ohio State University), Wenbin Zhang (Ohio State University), Yan Tang (Ohio State University), Feng Qin (Ohio State University)*

**Transparent Checkpoints of Closed Distributed Systems in Emulab**
*Anton Burtsev (University of Utah, School of Computing), Prashanth Radhakrishnan (University of Utah, School of Computing and NetApp), Mike Hibler (University of Utah, School of Computing), Jay Lepreau (University of Utah, School of Computing)*

**Ksplice: Automatic rebootless kernel updates**
*Jeff Arnold (MIT), Frans Kaashoek (MIT)*

### Session 6: Promises for the future (11:00-12:30)

Chair: Timothy Roscoe (ETH Zürich)

**(Short paper) Tralfamadore: Unifying Source Code and Execution Experience**
*Geoffrey Lefebvre (UBC), Brendan Cully (UBC), Michael J. Feeley (UBC), Norman C. Hutchinson (UBC), Andrew Warfield (UBC)*

**Work in progress talks**
*We still solicit submissions for combined posters/work-in-progress talks from all areas of interest to the EuroSys attendees.*

### Session 7: Posters (14:00-15:30)

Chair/poster organizer: Andy Warfield (UBC/Citrix)

*We still solicit submissions for combined posters/work-in-progress talks from all areas of interest to the EuroSys attendees.*

### Session 8: Clients and the web (16:00-17:30)

Chair: Rodrigo Rodrigues (MPI-SWS)

**User Interactions in Social Networks and their Implications**
*Christo Wilson (UCSB), Bryce Boe (UCSB), Alessandra Sala (UCSB), Krishna Puttaswamy (UCSB), Ben Y. Zhao (UCSB)*

**Isolating Web Programs in Modern Browser Architectures**
*Charles Reis (University of Washington and Google), Steven D. Gribble (University of Washington and Google)*

**Privacy-Preserving Browser-Side Scripting With BFlow**
*Alexander Yip (MIT), Neha Narula (MIT), Maxwell Krohn (MIT), Robert Morris (MIT)*

### Evening: Banquet dinner (starting at 20:00)

*Details will be published here soon.*

## Friday, 3rd April

### Session 9: Helping programmers (9:00-10:30)

Chair: George Candea (EPFL)

**xCalls: Safe I/O in Memory Transactions**
*Haris Volos (University of Wisconsin - Madison), Neelam Goyal (Oracle), Andres Jaan Tack (University of Wisconsin - Madison), Michael M. Swift (University of Wisconsin - Madison), Adam Welc (Intel Corporation)*

**A Runtime System for Software Lock Elision**
*Amitabha Roy (Computer Laboratory, University of Cambridge), Steven Hand (Computer Laboratory, University of Cambridge), Tim Harris (Microsoft Research)*

**Dingo: Taming Device Drivers**
*Leonid Ryzhyk (UNSW, NICTA), Peter Chubb (NICTA), Ihor Kuz (UNSW, NICTA), Gernot Heiser (UNSW, NICTA, Open Kernel Labs)*

### Session 10: Power and provisioning (11:00-12:30)

Chair: Frank Bellosa (University of Karlsruhe)

**Predicting Replicated Database Scalability from Standalone Database Profiling**
*Sameh Elnikety (Microsoft Research), Steve Dropsho (Google), Emmanuel Cecchet (University of Massachusetts), Willy Zwaenepoel (EPFL)*

**Koala: A platform for OS-level power management**
*David Snowdon (NICTA and University of New South Wales, Intel Corporation), Etienne Le Sueur (NICTA and University of New South Wales), Stefan Petters (NICTA and University of New South Wales), Gernot Heiser (NICTA, University of New South Wales, and Open Kernel Labs)*

**Statistical Profiling-based Techniques for Effective Power Provisioning in Data Centers**
*Sriram Govindan (Penn State University), Jeonghwan Choi (Penn State University), Bhuvan Urgaonkar (Penn State University), Anand Sivasubramaniam (Penn State University and Tata Consultancy Services), Andrea Baldini (Cisco Systems, Inc.)*

### Farewell / wrap-up (12:30-13:00)