

# CSER Spring 2013 Meeting Agenda

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Montreal, Canada

## June 17<sup>th</sup> | Day 1

Room: MB 2.210 | John Molson School of Business

8:15-8:45 | **Continental Breakfast**

8:45-9:00 | **Welcome and Introduction**

9:00-9:30 | **Invited Speaker**

**Implementing ISO 27034 (Application Security) in a large financial corporation: A case study**

Daniel Sinnig

9:30-10:30 | **Big Data and Speed**

**T01 Near-Clouds: Bringing Public Clouds to Users' Doorsteps**

Rizwan Mian

**T02 Big Data in Software Engineering**

Meiyappan Nagappan

**T03 Test Engineering: Speeding Up the Analysis of Load Tests**

Haroon Malik, Hadi Hemmati, Ahmed E. Hassan

**Session Discussion**

10:30-11:00 | **Nutrition Break and Poster Setup**

11:00-12:00 | **Clones and Smells**

**T04 Semantic smells and errors in access control models:**

**A case study in PHP**

Francois Gauthier, Ettore Merlo

**T05 An Empirical Study of the Fault-Proneness of Clone Mutation and Clone Migration**

Shuai Xie, Foutse Khomh, Ying Zou

**T06 Towards practical source code similarity search**

Iman Keivanloo, Chanchal Roy, Juergen Rilling

**Session Discussion**

12:00-1:00 | **Lunch**

1:00-2:00 | **Linguistics and NLP**

**T07 Linguistic Anti-patterns**

Venera Arnaoudova, Massimiliano Di Penta, Giuliano Antoniol,

Yann-Gaël Guéhéneuc  
**T08 Supporting Developers by Mining Software Repositories**  
Sebastiano Panichella, Latifa Guerrouj  
**T09 Improving Software Requirements Specifications with Semantics and NLP Support: The ReqWiki System**  
Bahar Sateli, Rene Witte  
**Session Discussion**

2:00-2:30 | **Invited Speaker**  
**An Overview of the NECSIS Project: Scope and findings**  
Tom Maibaum

2:30-3:00 | **Nutrition Break**

3:00-4:20 | **Special Session on Modeling and Concern Driven Development**  
Talks and Demos  
**T10 Concern-Driven Development (CDD): A Vision**  
Gunther Mussbacher, Jörg Kienzle  
**T11 Separation of Concerns: Mixins + Variability Models + Aspects in Umple**  
Tim Lethbridge  
**Session Discussion**

4:20-4:30 | **Announcements**

5:00-7:00 | **Poster Session and Reception**  
Room: MB Atrium

## **June 18<sup>th</sup> | Day 2**

Room: MB 2.210 | John Molson School of Business

8:30-9:00 | **Continental Breakfast**

9:00-9:30 | **Invited Speaker (New Faculty)**  
**What is wrong with models?**  
Omar Badreddin

9:30-10:30 | **Mobile and APIs**  
**T12 What are Mobile Developers Asking About?**  
Christoffer Rosen, Emad Shihab  
**T13 A Retroactive Study on the Evolution and Migration of Software Libraries**  
Bradley E. Cossette, Robert J. Walker  
**T14 Multi-objective Recommendation System for Framework API Evolution**

Wei Wu, Yann-Gaël Guéhéneuc, Giuliano Antoniol  
**Session Discussion**

10:30-11:00 | **Nutrition Break**

11:00-12:00 | **Code**

**T15 Impacts of generic typing policies on compiled programs**

Alexandre Terrasa, Jean Privat

**T16 Separation of concerns using class refinement in Nit**

Alexis Laferrière, Lucas Bajolet

**T17 Program Transformations (TBD)**

Stéphane Vaucher

**Session Discussion**

12:00-1:00 | **Lunch**

1:00-1:30 | **Invited Speaker (New Faculty)**

**Preventive Software Maintenance: The Past, the Present, the Future**

Nikolaos Tsantalis

1:30-2:30 | **Integration**

**T18 Continuously Mining Distributed Version Control Repositories**

Daniel M. German

**T19 Will My Patch Make It? And How Fast? - Case Study on the Linux Kernel**

Yujuan Jiang, Bram Adams, Daniel M. German

**T20 What Effect does Distributed Version Control have on OSS Project**

**Organization?**

Peter C. Rigby, Earl T. Barr, Christian Bird, Prem Devanbu, Daniel M. German

**Session Discussion**

2:30-3:00 | **Nutrition Break**

3:00-3:40 | **Panel: TBD**

3:40-4:00 | **Closing Remarks and Feedback**

## Posters

### **P01: A Hybrid Model for Designing Collaboration Processes**

Bahar Ghadiri Bashardoost, Kelly Lyons, Rock Leung

### **P02: A Large Empirical Study of the New Challenges in Mobile Apps**

Israel J. Mojica, Meiyappan Nagappan, Steffen Dienst, Thorsten Berger, Bram Adams, Ahmed E. Hassan

### **P03: A Large-Scale Empirical Study of the Relationship Between Build Technology and Build Maintenance**

Shane McIntosh, Meiyappan Nagappan, Audris Mockus, Bram Adams, Ahmed E. Hassan

### **P04: An Empirical Study on the Fault-Proneness of Clone Migration in Clone Genealogies**

Shuai Xie, Foutse Khomh, Ying Zou

### **P05: Automatically Determining the Credibility of Tweets**

Abayomi King, Kelly Lyons

### **P06: Big Data in Software Engineering**

Meiyappan Nagappan

### **P07: Code Smell Visualization**

Kimberly Dextras-Romagnino, Nikolaos Tsantalis

### **P08: Distributed Peer Review**

Murtuza Mukadam, Peter Rigby

### **P09: How does Context affect the Distribution of Software Maintainability Metrics?**

Feng Zhang, Audris Mockus, Ying Zou, Foutse Khomh, Ahmed E. Hassan

### **P10: Leveraging Historical Co-Change Information to Improve the Accuracy of Requirements Traceability Approaches**

Nasir Ali, Ahmed E. Hassan

### **P11: Linguistic Anti-patterns**

Venera Arnaoudova, Massimiliano Di Penta, Giuliano Antoniol, Yann-Gaël Guéhéneuc

### **P12: Mining GitHub for Comment and Code Churn Information**

Joseph Heron, Jeremy Bradbury

**P13: Multi-objective Recommendation System for Framework API Evolution**

Wei Wu, Yann-Gaël Guéhéneuc, Giuliano Antoniol

**P14: Non-functional Properties in Software Product Lines: A Framework for Developing Quality-centric Software Products**

Mahdi Noorian

**P15: Predicting Bugs Using Antipatterns**

Seyyed Ehsan Salamati Taba, Foutse Khomh, Ying Zou, Meiyappan Nagappan, Ahmed E. Hassan

**P16: Resolving Incomplete Source Code Fragments**

Siddharth Subramanian, Reid Holmes

**P17: Semantic smells and errors in access control models: A case study in PHP**

Francois Gauthier, Ettore Merlo

**P18: Source code clone search**

Iman Keivanloo, Chanchal Roy, Juergen Rilling

**P19: Supporting Concept Extraction and Identifier Quality Improvement through Programmers' Lexicon Analysis**

Surafel Lemma Abebe, Paolo Tonella, Ahmed E. Hassan

**P20: Test Engineering: Speeding Up the Analysis of Load Tests**

Haroon Malik, Hadi Hemmati, Ahmed E. Hassan

**P21: Turnover on Software Projects**

Samuel Donadelli, Peter Rigby

**P22: Understanding the Benefits of Method-Level Mutation with Concurrent Software**

Mitchell George, Jeremy Bradbury

**P23: Visualizing Mutation Testing**

David Petras, Jeremy Bradbury

**P24: Narrowing the Set of Probable Root-Causes for Performance Regressions Using Prior Failing Tests**

Thanh H. D. Nguyen, Meiyappan Nagappan, Ahmed E. Hassan

**P25: Supporting Developers by Mining Software Repositories**

Sebastiano Panichella