

NECSIS/ORF Annual Workshop
Tuesday, Oct. 25
University of Waterloo
Davis Centre - Room 1302

9:00---9:10	Jo Atlee	Welcome
Debugging		
9:10---9:30	Sebastian Fischmeister	Automated Vehicle Demonstrator: Update 2016
9:30---9:35	Discussion	
Model Analysis and Transformations		
9:35---9:45	Juergen Dingel	Progress on NECSIS and ORF projects
9:45---9:55	Amal Khalil	Optimizing the symbolic execution of evolving Rhapsody statecharts
9:55---10:05	Mark Fischer	A small user study for Oital ontology transformations
10:05---10:15	Nicolas Hili	A model-based architecture for versatile run-time monitoring
10:15---10:25	Discussion	
10:25---11:00	Break - DC1301	
Model Management		
11:00---11:40	Marsha Chechik	Model Management
11:40---11:50	Discussion	
Model Pattern Engineering		
11:50---12:00	Jim Cordy	Overview of MPE
12:00---12:10	Nafiseh Kahani	Formal Model-based Verification of Self-adaptive Systems
12:10---12:20	Eric Rapos	Co-Evolution of Model-Based Tests for Simulink Models
12:20---12:30	Jim Cordy	Pattern Analysis of TXL and ATL transformations
12:30---12:40	Discussion	
12:40---1:40	Lunch - DC1301	
Feature Management		
1:40---1:45	Jo Atlee	Overview of Feature Interaction projects
1:45---1:50	Sandy Beidu	Feature Interaction Detection for feature-oriented language
1:50---1:55	Amir Vakili	Finite Model Finding Using the Logic of Equality with Uninterpreted Functions
1:55---2:00	Jo Atlee	Feature Interaction Resolution
2:00---2:20	Krzysztof Czarnecki	Modeling, analysis, and optimization of automotive E/E architectures
2:20---2:30	Discussion	
Model---Code Co---Development		
2:30---3:00	Tim Lethbridge, Vahdat Abdelzad	Progress in model-driven development: Traits, Formal Analysis and More
3:00---3:10	Discussion	
3:10---3:45	Break - DC1301	
Cross---Cutting Concerns		
3:45---4:35	Tom Maibaum	Safety, CAN bus modelling and analysis, Hybrid Systems modelling and analysis
4:35---4:45	Discussion	