

Dagstuhl Seminar 18471, Schedule V.04

Next Generation Domain Specific Conceptual Modeling: Principles and Methods

Monday, November 18	
08:45– 10:15am	Session 1.1: Welcome, Goal/Seminar Organization Introductory participant presentations
10:15 – 10:45am	Coffee
10:45 – 12:00am	Session 1.2: Introductory participant presentations
12:00 – 01:30pm	Lunch
01:30 – 03:00pm	Session 1.3: Report on Current Projects ; Chair: Wolfgang Reisig <ul style="list-style-type: none"> Steve Liddle and Oscar Pastor: <i>Characterizing Conceptual Modeling</i> Sibylle Schupp: <i>Recitals by Computer Scientists</i>
03:00 – 04:00pm	Coffee
04:00 – 05:30pm	Session 1.4: Grand Challenges in Conceptual Modeling ; Chair: Heinrich C. Mayr <ul style="list-style-type: none"> Wolfgang Reisig: <i>The Quest for a General Framework for Composition and Compositionality of Conceptual Models</i> Julio Leite: <i>Coding versus Modeling: Challenges in Improving Massive Collaboration in Conceptual Modeling</i> Marcela Ruiz: <i>Traceability Engineering in Conceptual Modelling</i>
06:00 – 07:00pm	Dinner
07:30 – 09:00pm	Session 1.5: Working Groups I: Grand Challenges – Group Leaders: Dominik, João, Judith, Marcela
Tuesday, November 19	
08:45– 10:15am	Session 2.1: Conceptual and Domain Specific Modeling Experiences ; Chair: Markus Stumptner <ul style="list-style-type: none"> Felicita Di Giandomenico: <i>Modeling Cyber-Physical systems: the Case of Smart Grid</i> Isabelle Comyn-Wattiau: <i>Conceptual modeling of prosopographical databases</i> Ketil Stolen: <i>Lessons Learnt from the Design of a Domain Specific Language for Security-risk Modelling</i>
10:15 – 10:45am	Coffee
10:45 – 12:00am	Session 2.2: Reports from WGs I and Discussion Next Generation Domain Specific Modeling in e-business ; Chair: Heinrich C. Mayr <ul style="list-style-type: none"> Ladjel Bellatreche: <i>Value design approach for BI applications</i>
12:00 – 01:30pm	Lunch
01:30 – 03:00pm	Session 2.3: Advances in Conceptual Modeling Research I ; Chair: Barbara Pernici <ul style="list-style-type: none"> Bernhard Thalheim: <i>Normal Models and their Hidden Deep Models</i> João Paulo Almeida: <i>Multi-Level Domain-Specific Conceptual Modeling</i> Bernhard Rumpe: <i>Software Language Engineering</i>
03:00 – 04:00pm	Coffee
04:00 – 06:00pm	Session 2.4: Advances in Conceptual Modeling Research II ; Chair: Jolita Ralyté <ul style="list-style-type: none"> Judith Michael: <i>Conceptual Modeling and MDSE - Two worlds on one planet</i> Martin Glinz: <i>Liberating Modelers from the Tyranny of a Strict Modeling Language</i> Giancarlo Guizzardi: <i>Ontology-Based Evaluation and Design of Visual Conceptual Modeling Languages</i>
06:00 – 07:00pm	Dinner
Wednesday, November 20	
08:45– 10:15am	Session 3.1: Advances in Conceptual Modeling Research III ; Chair: Martin Glinz <ul style="list-style-type: none"> Phina Soffer: <i>Model-based Analysis of Runtime Business Process Behavior</i> Aditya Ghose: <i>Achieving Resilience in Strategic Models</i> Heinrich C. Mayr: <i>The Paradigm of Model Centered Architecture</i>
10:15 – 10:45am	Coffee
10:45 – 12:00am	Session 3.2: Next Generation DSM in e-Health and Related Domains ; Chair: Wolfgang Maaß <ul style="list-style-type: none"> Vladimir Shekhovtsov: <i>Realizing Digital Ecosystems based on MCA</i> Frederik Gailly: <i>Hybrid Modeling in the Health Care Domain</i>
12:00 – 01:30pm	Lunch
02:00 – 05:30pm	Excursion
06:00 – 07:00pm	Dinner

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Thursday, November 21	
08:45– 10:15am	Session 4.1: Adequacy of Models and Modeling Methods ; Chair Bernhard Thalheim <ul style="list-style-type: none"> • Dominik Bork: <i>Specification Techniques for Conceptual Modeling Methods</i> • João Araujo: <i>Quality of Requirements Goals Models</i> • Jolita Ralyté: <i>Contextual Aspects in Situational Method Engineering</i>
10:15 – 10:45am	<i>Coffee</i>
10:45 – 12:00am	Session 4.2: Modeling in New and Emerging Domains I ; Chair: Sibylle Schupp <ul style="list-style-type: none"> • Barbara Pernici: <i>Modeling to Support Data Analysis Processes in Emergency Management Support Systems</i> • Manuel Wimmer: <i>Modeling for Industry 4.0</i>
12:15 – 01:30pm	<i>Lunch</i>
01:30 – 03:15pm	Session 4.3: Comprehensiveness, Verifiability and Comparability of Models ; Chair: Giancarlo Guizzardi <ul style="list-style-type: none"> • Pia Wilsdorf: <i>Automatic Experiment Generation for Supporting the Analysis of Domain Specific Simulation Models</i> • Daniel Moldt: <i>Using High-level Petri Nets in Domain Specific Language Design</i> • Heinz Schmidt: <i>Conceptual Modelling of Real-time and Real-space Aspects for Cyber-physical Systems</i> • Wolfgang Maaß: <i>Extraction and validation (verification?) of DSCM by using AI/ML</i>
03:15 – 04:00pm	<i>Coffee</i>
04:00 – 05:30pm	Session 4.4: Modeling in New and Emerging Domains II ; Chair: Heinz Schmidt <ul style="list-style-type: none"> • Kamal Karlapalem: <i>Meta Aspects of Operational Conceptual Modelling for Complex Evolving Requirements</i> • Rocco de Nicola: <i>Attribute based communication for Collective Adaptive Systems</i> • Fernanda Baião: <i>Modeling challenges within Knowledge-intensive Processes</i>
06:00 – 07:00pm	<i>Dinner</i>
07:30 – 09:00pm	Session 4.5: Working Groups II: Discussions of the Seminar's message

Friday, November 22	
08:45– 10:30am	Session 5.1: Advances in Conceptual Modeling Research IV ; Chair: Steve Liddle <ul style="list-style-type: none"> • Michael Schrefl: <i>Analytical Patterns: Domain-independent and domain-specific cores of analytical queries</i> • Aditya Ghose: <i>Lifting Behavioural Models to the Strategic Level</i> • Hans-Georg Fill: <i>The Role of Visualization in Conceptual Modeling</i> • Dominik Bork (<i>Dimitris Karagiannis</i>): <i>Metamodeling with ADOxx</i>
10:45 – 11:15am	<i>Coffee</i>
11:15 – 12:00am	Session 5.2: The Seminars message – Plenary Discussion
12:00 – 01:30pm	<i>Lunch</i>

Breakfast is served from 7:30am to 8:45am

From Monday to Thursday a Cheese platter is served at 10pm