

CONCUR 2024

Foothills Ballroom, Best Western Plus Village Park Inn, Calgary



Workshops
Mon, Sep 9

Day 1
Tue, Sep 10

Day 2
Wed, Sep 11

Day 3
Thu, Sep 12

Day 4
Fri, Sep 13

08:50-09:00	Opening Talk				
09:00-10:00	EXPRESS/SOS 2024 TRENDS 2024	Invited talk by Azalea Raad	Invited talk by Corina Pasarean	Invited talk by Thomas Wies	Invited talk by Arie Gurfinkel
10:00-10:30	Break				
10:30-12:00	EXPRESS/SOS 2024 TRENDS 2024	Games I	Games II	Process Algebra	Automata and Logic II
12:00-13:30	Lunch				
13:30-15:00	EXPRESS/SOS 2024 TRENDS 2024	Infinite State Models	Categories and Bisimulation	Automata and Logic I	Model Checking
15:00-15:30	Break				
15:30-17:00	EXPRESS/SOS 2024 TRENDS 2024	Rance's Memorial	Test of Time and Business Meeting Group Photo @ 17:00	Probabilistic Controller	Probabilistic
17:00-17:30					
17:30-18:00					
18:00-18:30	Reception				
18:30-19:00					
19:00-19:30					
19:30-20:00			Indigenous Performance and Dinner		Women Networking Night

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Workshops - Monday, September 9

EXPRESS/SOS 2024
(Foothills Room)

TRENDS 2024
(Edgemont Room)

08:50-9:00	Opening	Opening
09:00-10:00	Elli Anastasia	Elli Anastasia
10:00-10:30	Break	Break
10:30-11:00	Functional Array Programming in an Extended Pi-Calculus	
11:00-12:00	Simone Tini	Simone Tini
12:00-12:30	Linear Temporal Monitors for Session Types	
12:30-14:00	Lunch	
14:00-15:00	Clément Aubert	Clément Aubert
15:00-15:30	Synchronisability in Mailbox Communication	
15:30-16:00	Break	Break
16:00-16:30	Semantics for Linear-time Temporal Logic with Finite Observations	
16:30-17:00	Expansion Laws for Forward-Reverse, Forward, and Reverse Bisimilarities via Proved Encodings	
17:00-17:30	Game for the Spectrum between Branching Bisimilarity and Weak Trace Semantics	

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Day 1 - Tuesday, September 10

08:50-09:00	Opening Talk	
09:00-10:00	Invited	Azalea Raad
10:00-10:30	Break	
10:30-12:00	Games I	<ol style="list-style-type: none">1.Regular games with imperfect information are not that regular (L. Doyen et al.)2.As Soon as Possible but Rationally (V. Bruyère et al.)3.Bidding Games with Charging (G. Avni et al.)4.Strategic Dominance: A New Preorder for Nondeterministic Processes (T. Henzinger et al.)
12:00-13:30	Lunch	
13:30-15:00	Infinite State Models	<ol style="list-style-type: none">1.Weighted basic parallel processes and combinatorial enumeration (L. Clemente)2.Bi-reachability in Petri nets with data (Ł. Kamiński et al.)3.Phase-Bounded Broadcast Networks over Topologies of Communication (L. Guillou et al.)4.On Continuous Pushdown VASS in one Dimension (S. Rao et al.)
15:00-15:30	Break	
15:30-17:00	Rance's Memorial	
17:30-19:30	Reception	

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Day 2 - Wednesday, September 11

09:00-10:00	Invited	Corina Pasareanu
10:00-10:45	Break	
10:45-12:00	Games II	1.Faster and Smaller Solutions of Obliging Games (D. Hausmann et al.) 2.Inapproximability in Weighted Timed Games (Q. Guilmant et al.) 3.The Power of Counting Steps in Quantitative Games (S. Bose et al.)
12:00-13:30	Lunch	
13:30-15:00	Categories and Bisimulation	1.Left-Linear Rewriting in Adhesive Categories (P. Baldan et al.) 2.Behavioural Metrics: Compositionality of the Kantorovich Lifting and an Application to Up-To Techniques (K. D'Angelo et al.) 3.A Unifying Categorical View on Nondeterministic Iteration and Tests (S. Goncharov et al.) 4.Minimising the Probabilistic Bisimilarity Distance (S. Kiefer et al.)
15:00-15:30	Break	
15:30-17:00	Test of Time and Business Meeting	
17:00-18:00	Photo Shooting Session	
18:00-20:00	Indigenous Performance & Dinner	

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Day 3 - Wednesday, September 11

09:00-10:00	Invited	Thomas Wies
10:00-10:45	Break	
10:45-12:00	Process Algebra	<ol style="list-style-type: none">1.Effect Semantics for Quantum Process Calculi (L. Ceragioli et al.)2.Branching Bisimilarity for Processes with Time-outs (G. Reghem et al.)3.Around Classical and Intuitionistic Linear Processes (J. Jaramillo et al.)
12:00-13:30	Lunch	
13:30-15:00	Automata and Logic I	<ol style="list-style-type: none">1.Left-Linear Rewriting in Adhesive CategoriesInvariants for One-Counter Automata with Disequality Tests (D. Chistikov et al.)2.An automata-based approach for synchronizable mailbox communication (R. Delpy et al.)3.Nominal Tree Automata With Name Allocation (S. Prucker et al.)4.Minimising the Probabilistic Bisimilarity Distance (S. Kiefer, Q. Tang)Passive Learning of Regular Data Languages in Polynomial Time and Data (M. Balachander et al.)
15:00-15:30	Break	
15:30-17:00	Probabalistic	<ol style="list-style-type: none">1.A PSPACE Algorithm for Almost-Sure Rabin Objectives in Multi-Environment MDPs (M. Suilen et al.)2.Risk-averse optimization of total rewards in Markovian models using deviation measures (C. Baier et al.)3.A Spectrum of Approximate Probabilistic Bisimulations (T. Spork et. al)4.Causally Deterministic Markov Decision Processes (S. Akshay et al.)

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Day 4 - Friday, September 13

09:00-10:00	Invited	Arie Gurfinkel
10:00-10:30	Break	
10:30-12:00	Automata and Logic II	<ol style="list-style-type: none">1. History-Determinism vs Fair Simulation (Udi Boker et al.)2. Reversible Transducers over Infinite Words (Luc Dartois et al.)3. Validity of contextual formulas (J. Esparza et al.)4. RobTL: Robustness Temporal Logic for CPS (V. Castiglioni et al.)
12:00-13:30	Lunch	
13:30-15:00	Model Checking	<ol style="list-style-type: none">1. Centralized vs Decentralized Monitors for Hyperproperties (Jana Wagemaker et al.)2. Automating Memory Model Metatheory with Intersections (A. Koutsouridis et al.)3. Computing Inductive Invariants of Regular Abstraction Frameworks (V. Krasotin et al.)4. MITL Model Checking via Generalized Timed Automata and a new Liveness Algorithm (S. Akshay et al.)
15:00-15:30	Break	
15:30-16:45	Probabilistic	<ol style="list-style-type: none">1. Progress, Justness and Fairness in Modal μ-Calculus Formulae (M. Spronck et al.)2. Fairness and Consensus in Opinion Models (S. Betancourt et al.)3. Coinductive Techniques for Checking Satisfiability of Generalized Nested Conditions (Lara Stoltenow et al.)
17:30-19:30	Women Networking Night	