

36th International Conference on Concurrency Theory

CONCUR 2025, August 26–29, 2025, Aarhus, Denmark

Edited by

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■ Contents

Preface	
<i>Patricia Bouyer and Jaco van de Pol</i>	0:ix
Committees	
.....	0:xi

Invited Talks

Linear Temporal Logic with Standpoint Modalities	
<i>Christel Baier</i>	1:1–1:1
Towards Categorical Quantum Concurrency Theory	
<i>Chris Heunen</i>	2:1–2:1
On-The-Fly Verification: Advancements in Dependency Graphs	
<i>Jiří Srba</i>	3:1–3:5

Regular Papers

Monitorability for the Modal Mu-Calculus over Systems with Data: From Practice to Theory	
<i>Luca Aceto, Antonis Achilleos, Duncan Paul Attard, Léo Exibard, Adrian Francalanza, Anna Ingólfssdóttir, and Karoliina Lehtinen</i>	4:1–4:21
Characterizations of Fragments of Temporal Logic over Mazurkiewicz Traces	
<i>Bharat Adsul, Paul Gastin, and Shantanu Kulkarni</i>	5:1–5:20
Omega-Regular Verification and Control for Distributional Specifications in MDPs	
<i>S. Akshay, Ouldouz Neysari, and Đorđe Žikelić</i>	6:1–6:19
Temporal Explorability Games	
<i>Pete Austin, Sougata Bose, Nicolas Mazzocchi, and Patrick Totzke</i>	7:1–7:17
Model Checking as Program Verification by Abstract Interpretation	
<i>Paolo Baldan, Roberto Bruni, Francesco Ranzato, and Diletta Rigo</i>	8:1–8:20
A Direct Reduction from Stochastic Parity Games to Simple Stochastic Games	
<i>Raphaël Berthon, Joost-Pieter Katoen, and Zihan Zhou</i>	9:1–9:21
Abstract Subtyping for Asynchronous Multiparty Sessions	
<i>Laura Bocchi, Andy King, Maurizio Murgia, and Simon Thompson</i>	10:1–10:19
A Sound and Complete Characterization of Fair Asynchronous Session Subtyping	
<i>Mario Bravetti, Luca Padovani, and Gianluigi Zavattaro</i>	11:1–11:17
The Non-Cooperative Rational Synthesis Problem for SPEs and ω -Regular Objectives	
<i>Véronique Bruyère, Jean-François Raskin, Alexis Reynouard, and Marie Van Den Bogaard</i>	12:1–12:23

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Languages of Boundedly-Ambiguous Vector Addition Systems with States <i>Wojciech Czerwiński and Łukasz Orlikowski</i>	13:1–13:23
Reversible Pebble Transducers <i>Luc Dartois, Paul Gastin, Loïc Germerie Guizouarn, and Shankaranarayanan Krishna</i>	14:1–14:22
On the Send-Synchronizability Problem for Mailbox Communication <i>Romain Delpy, Anca Muscholl, and Grégoire Sutre</i>	15:1–15:20
Expectation in Stochastic Games with Prefix-Independent Objectives <i>Laurent Doyen, Pranshu Gaba, and Shibashis Guha</i>	16:1–16:19
Just Verification of Mutual Exclusion Algorithms <i>Rob van Glabbeek, Bas Luttik, and Myrthe S. C. Spronck</i>	17:1–17:25
A State-Based $O(m \log n)$ Partitioning Algorithm for Branching Bisimilarity <i>Jan Friso Groote and David N. Jansen</i>	18:1–18:16
Time for Timed Monitorability <i>Thomas M. Grosen, Sean Kauffman, Kim G. Larsen, and Martin Zimmermann</i> ..	19:1–19:20
Compositional Active Learning of Synchronizing Systems Through Automated Alphabet Refinement <i>Léo Henry, Mohammad Reza Mousavi, Thomas Neele, and Matteo Sammartino</i> ..	20:1–20:22
Quantitative Language Automata <i>Thomas A. Henzinger, Pavol Kebis, Nicolas Mazzocchi, and N. Ege Saraç</i>	21:1–21:24
Partial-Order Reduction Is Hard <i>Frédéric Herbreteau, Sarah Larroze-Jardiné, and Igor Walukiewicz</i>	22:1–22:20
First-Order Store and Visibility in Name-Passing Calculi <i>Daniel Hirschkoﬀ, Iwan Quémerais, and Davide Sangiorgi</i>	23:1–23:21
Expressive Equivalence Between Decidable Freeze and Metric Timed Temporal Logics. <i>Hsi-Ming Ho, Shankara Narayanan Krishna, Khushraj Madnani, Rupak Majumdar, and Paritosh Pandya</i>	24:1–24:24
On-The-Fly Symbolic Algorithm for Timed ATL with Abstractions <i>Nicolaj Ø. Jensen, Kim G. Larsen, Didier Lime, and Jiří Srba</i>	25:1–25:19
Optimal Concolic Dynamic Partial Order Reduction <i>Mohammad Hossein Khoshechin Jorshari, Michalis Kokologiannakis, Rupak Majumdar, and Srinidhi Nagendra</i>	26:1–26:22
Coverage Games <i>Orna Kupferman and Noam Shenwald</i>	27:1–27:23
Arbitrary-Arity Tree Automata for QCTL <i>François Laroussinie and Nicolas Markey</i>	28:1–28:20
Galois Energy Games: To Solve All Kinds of Quantitative Reachability Problems <i>Caroline Lemke and Benjamin Bisping</i>	29:1–29:19

Open Bisimilarity for the π -Calculus with Mismatch <i>Tiange Liu, Alwen Tiu, and Ross Horne</i>	30:1–30:20
Compositional Reasoning for Parametric Probabilistic Automata <i>Hannah Mertens, Tim Quatmann, and Joost-Pieter Katoen</i>	31:1–31:20
Resolving Nondeterminism by Chance <i>Soumyajit Paul, David Purser, Sven Schewe, Qiyi Tang, Patrick Totzke, and Di-De Yen</i>	32:1–32:22
Chance and Mass Interpretations of Probabilities in Markov Decision Processes <i>Yun Chen Tsai, Kittiphon Phalakarn, S. Akshay, and Ichiro Hasuo</i>	33:1–33:19
New Fault Domains for Conformance Testing of Finite State Machines <i>Frits Vaandrager and Ivo Melse</i>	34:1–34:22
From Bisimulation to Traces: The Impact of Parallel Composition on Finite Bases <i>Rowin Versteeg, Valentina Castiglioni, and Bas Luttik</i>	35:1–35:18
Explainability is a Game for Probabilistic Bisimilarity Distances <i>Emily Vlasman, Anto Nanah Ji, James Worrell, and Franck van Breugel</i>	36:1–36:20
Prophecies All the Way: Game-Based Model-Checking for HyperQPTL Beyond $\forall^*\exists^*$ <i>Sarah Winter and Martin Zimmermann</i>	37:1–37:18
Reachability in Vector Addition System with States Parameterized by Geometric Dimension <i>Yangluo Zheng</i>	38:1–38:18
Denotational Semantics for Probabilistic and Concurrent Programs <i>Noam Zilberstein, Daniele Gorla, and Alexandra Silva</i>	39:1–39:24

■ Preface

This volume contains the contributions accepted for the 36th International Conference on *Concurrency Theory* (CONCUR), held on 26-29 August, 2025. CONCUR serves as an annual scientific forum for researchers, developers, and students working to expand the field of concurrency theory and its applications. CONCUR 2025 was organized in Aarhus, Denmark as part of CONFEST 2025.

Along with CONCUR, CONFEST also featured the 30th International Conference on *Formal Methods for Industrial Critical Systems* (FMICS) and the combined International Conferences *Quantitative Evaluation of SysTems* and *Formal Modeling and Analysis of Timed Systems* (QEST+FORMATS), as well as the following six workshops: *Behavioural Metrics and Quantitative Logics* (BMQL), *Expressiveness in Concurrency and Structural Operational Semantics* (EXPRESS/SOS), *Formal Methods in Quantum Computing* (FMQC), *Recent Advances in Concurrency and Logic* (RADICAL), *Synthesis of Complex Parameters* (SYNCOP), and *Principles of Formal Quantitative Analysis* (PFQA), celebrating the birthday of Christel Baier.

CONCUR 2025 received 83 submissions and accepted 36 papers for presentation at the conference. We are grateful for the hard work of our program committee as well as the many external experts who produced 261 reviews in total, at least 3 per paper, and engaged in lively discussions. The quality of the submitted papers was very high, so there was a tough competition among the papers to be admitted to the final programme.

Besides the submitted scientific contributions, the program also contained a number of invited talks. We would like to thank the CONCUR invited speakers:

- Christel Baier (Technical University Dresden, Germany)
- Chris Heunen (University of Edinburgh, UK)
- Jiri Srba (Aalborg University, Denmark)

The proceedings of CONCUR 2025 are freely available through the LIPIcs series. We thank Andreas Pavlogiannis, general CONFEST co-chair, as well as the rest of the organizing team, and Aarhus University for their assistance in organizing CONFEST 2025.

Patricia Bouyer and Jaco van de Pol



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