

32nd International Conference on Concurrency Theory

CONCUR 2021, August 24–27, 2021, Virtual Conference

Edited by

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■ Contents

Preface	
<i>Serge Haddad and Daniele Varacca</i>	0:ix–0:x
Authors	
.....	0:xi–0:xiv
CONCUR Test-Of-Time Award 2021	
<i>Nathalie Bertrand, Luca de Alfaro, Rob van Glabbeek, Catuscia Palamidessi, and Nobuko Yoshida</i>	1:1–1:3

Büchi Automata

Reducing (To) the Ranks: Efficient Rank-Based Büchi Automata Complementation	
<i>Vojtěch Havlena and Ondřej Lengál</i>	2:1–2:19
Inclusion Testing of Büchi Automata Based on Well-Quasiorders	
<i>Kyveli Doveri, Pierre Ganty, Francesco Parolini, and Francesco Ranzato</i>	3:1–3:22
Nominal Büchi Automata with Name Allocation	
<i>Henning Urbat, Daniel Hausmann, Stefan Milius, and Lutz Schröder</i>	4:1–4:16

Probabilistic Models

Enforcing ω -Regular Properties in Markov Chains by Restarting	
<i>Javier Esparza, Stefan Kiefer, Jan Křetínský, and Maximilian Weininger</i>	5:1–5:22
Linear-Time Model Checking Branching Processes	
<i>Stefan Kiefer, Pavel Semukhin, and Cas Widdershoven</i>	6:1–6:16
Quantified Linear Temporal Logic over Probabilistic Systems with an Application to Vacuity Checking	
<i>Jakob Piribauer, Christel Baier, Nathalie Bertrand, and Ocan Sankur</i>	7:1–7:18

Games (1)

Subgame-Perfect Equilibria in Mean-Payoff Games	
<i>Léonard Brice, Jean-François Raskin, and Marie van den Bogaard</i>	8:1–8:17
Fragility and Robustness in Mean-Payoff Adversarial Stackelberg Games	
<i>Mrudula Balachander, Shibashis Guha, and Jean-François Raskin</i>	9:1–9:17
Continuous Positional Payoffs	
<i>Alexander Kozachinskiy</i>	10:1–10:17

Nondeterministic and Probabilistic Models

Transience in Countable MDPs	
<i>Stefan Kiefer, Richard Mayr, Mahsa Shirmohammadi, and Patrick Totzke</i>	11:1–11:15

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Strategy Complexity of Mean Payoff, Total Payoff and Point Payoff Objectives in Countable MDPs	
<i>Richard Mayr and Eric Munday</i>	12:1–12:15
Model Checking Quantum Continuous-Time Markov Chains	
<i>Ming Xu, Jingyi Mei, Ji Guan, and Nengkun Yu</i>	13:1–13:17
Distributed Systems	
A Unifying Framework for Deciding Synchronizability	
<i>Benedikt Bollig, Cinzia Di Giusto, Alain Finkel, Laetitia Laversa, Etienne Lozes, and Amrita Suresh</i>	14:1–14:18
Guard Automata for the Verification of Safety and Liveness of Distributed Algorithms	
<i>Nathalie Bertrand, Bastien Thomas, and Josef Widder</i>	15:1–15:17
Dynamic Data-Race Detection Through the Fine-Grained Lens	
<i>Rucha Kulkarni, Umang Mathur, and Andreas Pavlogiannis</i>	16:1–16:23
Language Theory	
Adaptive Synchronisation of Pushdown Automata	
<i>A. R. Balasubramanian and K. S. Thejaswini</i>	17:1–17:15
Decomposing Permutation Automata	
<i>Ismaël Jecker, Nicolas Mazzocchi, and Petra Wolf</i>	18:1–18:19
Semantics	
Algebra and Coalgebra of Stream Products	
<i>Michele Boreale and Daniele Gorla</i>	19:1–19:17
Formally Verified Simulations of State-Rich Processes Using Interaction Trees in Isabelle/HOL	
<i>Simon Foster, Chung-Kil Hur, and Jim Woodcock</i>	20:1–20:18
Fibrational Initial Algebra-Final Coalgebra Coincidence over Initial Algebras: Turning Verification Witnesses Upside Down	
<i>Mayuko Kori, Ichiro Hasuo, and Shin-ya Katsumata</i>	21:1–21:22
Temporal Logics and Model Checking	
SMT-Based Model Checking of Max-Plus Linear Systems	
<i>Muhammad Syifa’ul Mufid, Andrea Micheli, Alessandro Abate, and Alessandro Cimatti</i>	22:1–22:20
A Decidable Non-Regular Modal Fixpoint Logic	
<i>Florian Bruse and Martin Lange</i>	23:1–23:18
A Temporal Logic for Strategic Hyperproperties	
<i>Raven Beutner and Bernd Finkbeiner</i>	24:1–24:19

Games (2)

Time Flies When Looking out of the Window: Timed Games with Window Parity Objectives <i>James C. A. Main, Mickael Randour, and Jeremy Sproston</i>	25:1–25:16
Arena-Independent Finite-Memory Determinacy in Stochastic Games <i>Patricia Bouyer, Youssouf Oualhadj, Mickael Randour, and Pierre Vandenhove</i> ..	26:1–26:18
Stackelberg-Pareto Synthesis <i>Véronique Bruyère, Jean-François Raskin, and Clément Tamines</i>	27:1–27:17

Dynamical Systems

The Orbit Problem for Parametric Linear Dynamical Systems <i>Christel Baier, Florian Funke, Simon Jantsch, Toghrul Karimov, Engel Lefauchaux, Florian Luca, Joël Ouaknine, David Purser, Markus A. Whiteland, and James Worrell</i>	28:1–28:17
Scope-Bounded Reachability in Valence Systems <i>Aneesh K. Shetty, S. Krishna, and Georg Zetsche</i>	29:1–29:19
Deciding Polynomial Termination Complexity for VASS Programs <i>Michał Ajdarów and Antonín Kučera</i>	30:1–30:15

Equivalences

Bisimulation by Partitioning Is $\Omega((m+n)\log n)$ <i>Jan Friso Groote, Jan Martens, and Erik de Vink</i>	31:1–31:16
Explaining Behavioural Inequivalence Generically in Quasilinear Time <i>Thorsten Wißmann, Stefan Milius, and Lutz Schröder</i>	32:1–32:18
Enabling Preserving Bisimulation Equivalence <i>Rob van Glabbeek, Peter Höfner, and Weiyu Wang</i>	33:1–33:20

Session Types

Sized Types with Usages for Parallel Complexity of Pi-Calculus Processes <i>Patrick Baillot, Alexis Ghyselen, and Naoki Kobayashi</i>	34:1–34:22
Generalising Projection in Asynchronous Multiparty Session Types <i>Rupak Majumdar, Madhavan Mukund, Felix Stutz, and Damien Zufferey</i>	35:1–35:24
Separating Sessions Smoothly <i>Simon Fowler, Wen Kokke, Ornela Dardha, Sam Lindley, and J. Garrett Morris</i> ..	36:1–36:18

■ Preface

This proceedings volume contains peer-reviewed contributions accepted at the 32nd International Conference on Concurrency Theory (CONCUR), 2021.

The CONCUR conference series brings together researchers, developers, and students in order to advance the theory of concurrency, and promote its applications. Amid the COVID-19 situation, CONCUR 2021 could not take place at University Paris-Est Créteil (Créteil, France), as it was originally planned. Instead it was organized as a virtual conference, as part of the umbrella conference QONFEST 2021. In addition to CONCUR 2021, the QONFEST 2021 comprised also the 26th International Conference on Formal Methods for Industrial Critical Systems (FMICS) 2021, the 19th International Conference on Formal Modeling and Analysis of Timed Systems (FORMATS) 2021 and the 18th International Conference on Quantitative Evaluation of SysTems (QEST) 2021, alongside with several workshops and tutorials.

Despite the COVID-19 crisis, we have received a high number of submissions. Out of 96 submissions, we have accepted 35 papers for presentation at CONCUR 2021. Given great quality of many submissions, the acceptance bar was quite high. The quality criteria for acceptance were very strict and we thank our program committee and external reviewers for their excellent job in reviewing the CONCUR 2021 submissions. We are especially very grateful to all our reviewers for their efforts in providing high-quality and timely reviews and conducting active discussions on each submission at CONCUR 2021.

We thank the authors of our proceeding's papers for repaying the efforts of our reviewers and submitting their revised works to the CONCUR 2021 proceedings. We hope that details of the papers included in the present proceedings will bring lively discussions within the virtual conference platform of CONCUR 2021, initiating new research directions and collaboration within the CONCUR scientific community and beyond.

We are delighted to have had Senior Researcher Patricia Bouyer-Decitre (CNRS and LMF, France) and Prof. Davide Sangiorgi (University of Bologna, Italy) as our invited speakers. The invited talk of Prof. Boudewijn Haverkort (Tilburg University, Netherlands) was shared with QEST 2021.

Starting in 2020, a CONCUR Test-of-Time(ToT) Award has been established by the CONCUR conference and the IFIP 1.8 Working Group on Concurrency Theory. The purpose of this award is to recognize important achievements in Concurrency Theory that were published at CONCUR conferences and have stood the test of time.

For the 2021 editions, two periods are considered. Two awards were given to papers published in CONCUR between 1994 and 1997, and two more were given to papers published between 1996 and 1999. The award winners for the CONCUR ToT Awards 2021 have been selected by a jury composed of Rob van Glabbeek (chair), Luca de Alfaro, Nathalie Bertrand, Catuscia Palamidessi, and Nobuko Yoshida. The results and winners of the CONCUR ToT Award 2021 selection process are described in the invited contribution by Rob van Glabbeek in these proceedings.

We finally would like to thank the University of Paris Est, Créteil for its generous sponsorship for running CONCUR 2021. We gratefully acknowledge the sponsorship of Nomadic Labs, in particular for the best Paper Award. We also thank INRIA and the LACL laboratory for their support. We finally thank the EasyChair conference management system for assisting us in the reviewing and organization process of CONCUR 2021 together with QONFEST 2021.

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0:x Preface


As usual, the CONCUR 2021 proceedings are open access thanks to the LIPIcs series. We thank the authors of CONCUR 2021 papers, the CONCUR 2021 participants, as well as the organizers, chaired by Benoît Barbot, and the student volunteers, for making CONCUR 2021 a successful virtual event.

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