
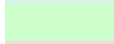

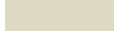

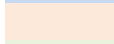




Program Overview

| | Mon 26 | | | | Tue 27 | | Wed 28 | | Thu 29 | | Fri 30 | | Sat 31 | | | | | |
|-------|------------------|---|---|----|-----------|-----|---------|-----|--------|-----|--------|-----|------------------|-----|---|---|---|--|
| Room | | | | | SA | 212 | SA | 212 | SA | 212 | SA | 212 | SA | 212 | | | | |
| | O | O | O | O | O | | | | | | | | | | O | O | O | |
| 9:00 | I | I | I | T1 | I | I | I | I | I | I | I | S | I | | S | | | |
| 9:30 | CB | | | | CB | | CB | | CB | | CB | | CB | | | | | |
| 10:00 | S | S | S | T1 | S | S | S | S | S | S | I | S | S | S | | I | S | |
| 10:30 | L | | | | L | | L | | L | | L | | L | | | | | |
| 11:00 | S | I | S | T2 | S | S | S | S | S | S | S | S | I | | S | | S | |
| 11:30 | S | S | | | S | S | S | TD | S | S | S | S | S | | S | | S | |
| 12:00 | CB | | | | CB | | CB | | CB | | CB | | CB | | | | | |
| 12:30 | L | | | | L | | L | | L | | L | | L | | | | | |
| 13:00 | L | | | | L | | L | | L | | L | | L | | | | | |
| 13:30 | S | I | S | T2 | S | S | S | S | S | S | S | S | I | | S | | S | |
| 14:00 | S | S | | | S | S | S | TD | S | S | S | S | S | | S | | S | |
| 14:30 | CB | | | | CB | | CB | | CB | | CB | | CB | | | | | |
| 15:00 | L | | | | L | | L | | L | | L | | L | | | | | |
| 15:30 | S | S | | | S | TD | | | S | S | S | S | | S | | | | |
| 16:00 | L | | | | L | | L | | L | | L | | L | | | | | |
| 16:30 | L | | | | L | | L | | L | | L | | L | | | | | |
| 17:00 | L | | | | L | | L | | L | | L | | L | | | | | |
| 17:30 | L | | | | L | | L | | L | | L | | L | | | | | |
| 18:00 | L | | | | L | | L | | L | | L | | L | | | | | |
| 18:30 | L | | | | L | | L | | L | | L | | L | | | | | |
| 19:00 | L | | | | L | | L | | L | | L | | L | | | | | |
| 19:30 | L | | | | L | | L | | L | | L | | L | | | | | |
| 20:00 | Workshops Dinner | | | | Reception | | Banquet | | | | | | Workshops Dinner | | | | | |

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|  | EXPRESS/SOS |
|  | DCM |
|  | LAFM |
|  | QEST Tutorials |

| | |
|----|-----------------|
| O | Opening |
| I | Invited Speaker |
| S | Regular Session |
| TD | Tool Demo |

| | |
|--|---------|
|  | CONCUR |
|  | QEST |
|  | FORMATS |
|  | TGC |

| | |
|----|-------------------------------|
| T1 | QEST Tutorial 1 |
| T2 | QEST Tutorial 2 |
| BM | Bussiness Meeting IFIP WG 1.8 |

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|  | MEALS |
|  | TRENDS |
|  | YR-CONCUR |

| | |
|----|----------------|
| CB | Coffee Break |
| L | Lunch Break |
| SA | Salón de Actos |

Monday 26th of August

| | EXPRESS/SOS | DCM | LAFM |
|----------------|---|--|--|
| 8:50–10:00 | <p><i>Opening</i></p> <p>Invited Presentation</p> <p>Martín Abadi. <i>A Timely Dataflow Model and the Naiad System</i></p> | <p><i>Opening</i></p> <p>Invited Speaker</p> <p>Verónica Becher. <i>Turing's Normal Numbers: Towards Randomness</i></p> | <p><i>Opening</i></p> <p>Invited Speaker</p> <p>Marcelo Frias. <i>BLISS: Bounded Lazy Initialization with SAT-Support</i></p> |
| 10:00–10:30 | Coffee Break | | |
| 10:30–12:30 | <p><i>Session 1</i></p> <ul style="list-style-type: none"> • Iliano Cervesato and Jorge Luis Sacchini. <i>Towards Meta-Reasoning in the Concurrent Logical Framework CLF</i> • Youssef Arbach, Kirstin Peters and Uwe Nestmann. <i>Adding Priority to Event Structures</i> • Daniel Gebler and Simone Tini. <i>Compositionality of Approximate Bisimulation for Probabilistic Systems</i> • Shibashis Guha, Krishna S, Chinmay Narayan and S. Arun-Kumar. <i>A Unifying Approach to Decide Relations for Timed Automata and their Game Characterization</i> | <p><i>Session 1</i></p> <ul style="list-style-type: none"> • Alejandro Díaz-Caro and Gilles Dowek. <i>The probability of non-confluent systems</i> • Marcela Quispe-Cruz and Edward Hermann Haeusler. <i>Proof-graphs for Minimal Implicational Logic</i> • Pieter Cuijpers. <i>Prefix Orders as a General Model of Dynamics</i> • Pablo Arrighi and Simon Martiel. <i>Causal Dynamics of Simplicial Complexes: the 2-dimensional case</i> | <p><i>Session 1</i></p> <ul style="list-style-type: none"> • Pablo Castro and Tom Maibaum. <i>Automated Reasoning over Deontic Action Logics with Finite Vocabularies</i> • Gilles Barthe, Gustavo Betarte, Juan Diego Campo and Carlos Luna. <i>VirtualCert: A certified idealized model of virtualization</i> • Valentin Cassano and Tom Maibaum. <i>Actions and Events in Concurrent System Design</i> • Manuel Giménez, Mariano M. Moscato, Carlos G. López Pombo and Marcelo Frias. <i>HeteroGenius: a framework for hybrid analysis of heterogeneous software specifications</i> |
| 12:30–14:00 | Lunch | | |
| 14:00–15:30 | <p><i>Session 2</i></p> <ul style="list-style-type: none"> • Daniel Gebler, Eugen-Ioan Goriac and Mohammadreza Mousavi. <i>Algebraic Meta-Theory of Processes with Data</i> • Pieter Cuijpers. <i>The categorical limit of a sequence of dynamical systems</i> • Luca Aceto, Eugen-Ioan Goriac and Anna Ingolfsdottir. <i>Meta SOS - A Maude Based SOS Meta-Theory Framework</i> | <p>Invited Speaker</p> <p>Joos Heintz. <i>Quiz games: a new approach to information hiding based algorithms in scientific computing</i></p> <hr/> <p><i>Session 2</i></p> <ul style="list-style-type: none"> • Adriana Compagnoni, Paola Giannini, Catherine Kim, Matthew Milideo and Vishakha Sharma. <i>A Calculus of Located Entities</i> | <p><i>Session 2</i></p> <ul style="list-style-type: none"> • Gaston Scilingo, Maria Marta Novaira and Renzo Degiovanni. <i>Analyzing Behavioural Scenarios over Tabular Specifications Using Model Checking</i> • Anamaria Martins Moreira and Cleverton Martens. <i>Grammars for Test Generation</i> • Valério Gutemberg Medeiros Jr and David Deharbe. <i>B-Eval: a plug-in to extend Atelier-B with current verification technologies</i> |
| 15:30–16:00 | Coffee Break | | |
| 16:00–17:30 | | <p><i>Session 3</i></p> <ul style="list-style-type: none"> • Carlos Ramirez, Jorge A. Pérez, Jesus Aranda and Juan F. Diaz. <i>Towards Formal, Interaction-based Models of Grid Computing Infrastructures</i> • Mario Benevides, Isaque Lima, Pedro Rougemont and Rafael Nader. <i>Using HMM in Strategic Games</i> | <p><i>Session 3</i></p> <ul style="list-style-type: none"> • Pablo Bendersky, Juan Galeotti and Diego Garbervetsky. <i>The DynAlloy Visualizer</i> • Germán Regis, Fernando Villar and Nicolás Ricci. <i>Fluent Logic Workflow Analyser: A tool for The Verification of Workflow Properties</i> • Rodrigo Castaño, Juan Galeotti, Diego Garbervetsky, Jonathan Tapicer and Edgardo Zoppi. <i>On verifying resource contracts using Code Contracts</i> |
| Starting 20:00 | Workshop Dinner | | |

Tuesday 27th of August

| | | |
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| 8:45–10:00 | <p><i>Opening</i></p> <p>CONCUR & QEST Invited Speaker (<i>Salón de actos</i>)</p> <p>Lorenzo Alvisi. <i>Reasoning with MAD Distributed Systems.</i></p> | |
| 10:00–10:30 | Coffee Break | |
| Room | 212 | <i>Salón de actos</i> |
| 10:30–12:30 | <p>CONCUR: <i>Process Semantics and Modal Transition Systems</i></p> <ul style="list-style-type: none"> • Martin Churchill, Peter Mosses and Mohammadreza Mousavi. <i>Modular Semantics for Transition System Specifications with Negative Premises</i> • Giovanni Bernardi and Matthew Hennessy. <i>Mutually testing processes</i> • Nikola Benes, Benoit Delahaye, Uli Fahrenberg, Jan Kretinsky and Axel Legay. <i>Hennessy-Milner Logic with Greatest Fixed Points as a Complete Behavioural Specification Theory</i> • Shoham Ben-David, Marsha Chechik and Sebastian Uchitel. <i>Merging Partial Behaviour Models with Different Vocabularies</i> | <p>QEST: <i>Population Models</i></p> <ul style="list-style-type: none"> • Luca Bortolussi and Guido Sanguinetti. <i>Learning and designing stochastic processes from logical constraints</i> • David Spieler. <i>Characterizing oscillatory and noisy periodic behavior in Markov population models</i> • Luca Bortolussi and Roberta Lanciani. <i>Central Limit Approximation for Stochastic Model Checking</i> • Laura Aspirot, Ernesto Mordecki and Gerardo Rubino. <i>Fluid Limit for the Machine Repairman Model with Phase-Type Distributions</i> |
| 12:30–14:00 | Lunch | |
| 14:00–16:00 | <p>CONCUR: <i>VAS and Pushdown Systems</i></p> <ul style="list-style-type: none"> • Parosh Aziz Abdulla, Richard Mayr, Arnaud Sangnier and Jeremy Sproston. <i>Solving Parity Games on Integer Vectors</i> • Xiaojuan Cai and Mizuhito Ogawa. <i>Well-Structured Pushdown Systems</i> • Jerome Leroux, M. Praveen and Grégoire Sutre. <i>A Relational Trace Logic for Vector Addition Systems with Application to Context-Freeness</i> • Rupak Majumdar and Zilong Wang. <i>Expand, Enlarge, and Check for Branching Vector Addition Systems</i> | <p>QEST: <i>Probabilistic Automata & Markov Automata</i></p> <ul style="list-style-type: none"> • Benoit Delahaye, Uli Fahrenberg, Kim Guldstrand Larsen and Axel Legay. <i>Refinement and Difference for Probabilistic Automata</i> • Ralf Wimmer, Nils Jansen, Andreas Vorpahl, Erika Abraham, Joost-Pieter Katoen and Bernd Becker. <i>High-level Counterexamples for Probabilistic Automata</i> • Dennis Guck, Hassan Hatefi, Holger Hermanns, Joost-Pieter Katoen and Mark Timmer. <i>Modelling, Reduction and Analysis of Markov Automata</i> • Andrea Turrini, Christian Eisentraut, Holger Hermanns, Julia Kraemer and Lijun Zhang. <i>Deciding Bisimilarities on Distributions</i> |
| 16:00–16:30 | Coffee Break | |
| 16:30–18:00 | <p>CONCUR: <i>π calculus and Interaction Nets</i></p> <ul style="list-style-type: none"> • Vasileios Koutavas and Matthew Hennessy. <i>Symbolic Bisimulation for a Higher-Order Distributed Language with Passivation</i> • Reiner Hüchting, Rupak Majumdar and Roland Meyer. <i>A Theory of Name Boundedness</i> • Andrei Dorman and Damiano Mazza. <i>A Hierarchy of Expressiveness in Concurrent Interaction Nets</i> | <p>QEST: <i>Tool Demos I</i></p> <ul style="list-style-type: none"> • Rastislav Lenhardt. <i>Tulip: Model Checking Probabilistic Systems using EM Algorithm</i> • Sean Sedwards, Benoît Boyer, Kevin Corre and Axel Legay. <i>PLASMA-lab: a flexible, distributable statistical model checking library</i> • Yi Deng, Akshay Rajhans and A. Agung Julius. <i>STRONG: A Trajectory-Based Verification Toolbox for Hybrid System</i> • Nikolas Anastasiou and William Knottenbelt. <i>Inferring Performance Models from Location Tracking Data using the Petri Net Performance Model Construction Tool (PEPERCORN)</i> • Barbara Kordy, Piotr Kordy, Sjouke Mauw and Patrick Schweitzer. <i>ADTool: Security Analysis with Attack-Defense Trees</i> |
| Starting 19:00 | Reception at Palacio San Martín | |

Wednesday 28th of August

| | | |
|----------------|---|---|
| Room | 212 | Salón de actos |
| 9:00–10:00 | CONCUR Invited Speaker Phillipe Schnoebelen. <i>The Power of Well-Structured Systems</i> | QEST Invited Speaker Gilles Barthe. <i>Computer-aided security proofs</i> |
| 10:00–10:30 | Coffee Break | |
| 10:30–12:30 | CONCUR: Linearizability and Verificaion of Concurrent Programs <ul style="list-style-type: none"> Klaus von Gleissenthall and Andrey Rybalchenko. <i>An Epistemic Perspective on Consistency of Concurrent Computations</i> Hongjin Liang, Jan Hoffmann, Xinyu Feng and Zhong Shao. <i>Characterizing Progress Properties of Concurrent Objects via Contextual refinements</i> Thomas A. Henzinger, Ali Sezgin and Viktor Vafeiadis. <i>Aspect-oriented linearizability proofs</i> Andrey Kupriyanov and Bernd Finkbeiner. <i>Causality-based Verification of Multi-threaded Programs</i> | QEST: Model Checking & Systems <ul style="list-style-type: none"> Vladimir Klebanov, Norbert Manthey and Christian Muise. <i>SAT-based Analysis and Quantification of Information Flow in Programs</i> Friedrich Gretz, Joost-Pieter Katoen and Annabelle McIver. <i>Prinsys – on a Quest for Probabilistic Loop Invariants</i> David N. Jansen, Lei Song and Lijun Zhang. <i>Revisiting Weak Simulation for Substochastic Markov Chains</i> Miyuru Dayarathna and Toyotaro Suzumura. <i>A Performance Analysis of System S, S4, and Esper via Two Level Benchmarking</i> |
| 12:30–14:00 | Lunch | |
| 14:00–16:00 | CONCUR: Verification of Infinite Models, Model Measure and Reversibility <ul style="list-style-type: none"> Thomas Henzinger and Jan Otop. <i>From Model Checking to Model Measuring</i> Jonathan Kochems and Luke Ong. <i>Safety Verification of Asynchronous Pushdown Systems with Shaped Stacks</i> Iain Phillips and Irek Ulidowski. <i>Reversibility and Asymmetric Conflict in Event Structures</i> Christoph Haase, Sylvain Schmitz and Philippe Schnoebelen. <i>The Power of Priority Channel Systems</i> | QEST: Systems <ul style="list-style-type: none"> Vinodh Venkatesan and Ilias Iliadis. <i>Effect of Codeword Placement on the Reliability of Erasure Coded Data Storage Systems</i> Daniel Happ and Katinka Wolter. <i>Fault-Impact Models based on delay and packet loss for IEEE 802.11g</i> |
| | | QEST: Tools Demos II <ul style="list-style-type: none"> Dieky Adzkiya and Alessandro Abate. <i>VeriSiMPL: Verification via biSimulations of MPL models</i> Giorgio Bacci, Giovanni Bacci, Kim Guldstrand Larsen and Radu Mardare. <i>A Tool for Efficiently Computing Bisimilarity Distances for Markovian Models</i> Ken Keefe and William Sanders. <i>Mobius Shell: A Command-line Interface For Mobius</i> Lucas Oleksinski, Claiton Correa, Fernando Luís Dotti and Afonso Sales. <i>A CTL Model Checker for Stochastic Automata Networks</i> |
| 16:00–16:30 | Coffee Break | |
| 16:30–20:00 | Discovering Buenos Aires | |
| Starting 20:00 | Banquet and Event at Café Los Angelitos | |

Thursday 29th of August

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| 9:00–10:00 | CONCUR & FORMATS Invited Speaker (<i>Salón de actos</i>) Reinhard Wilhelm. <i>Impact of Resource Sharing on Performance and Performance Prediction: A Survey</i> | |
| 10:00–10:30 | Coffee Break | |
| Room | 212 | <i>Salón de actos</i> |
| 10:30–12:30 | CONCUR: Stochastic Models <ul style="list-style-type: none"> • Shenggang Ying, Yuan Feng, Nengkun Yu and Mingsheng Ying. <i>Reachability Probabilities of Quantum Markov Chains</i> • Holger Hermanns and Andrea Turrini. <i>Cost Preserving Bisimulations for Probabilistic Automata</i> • Holger Hermanns, Jan Krcal and Jan Kretinsky. <i>Compositional Verification and Optimization of Interactive Markov Chains</i> • Vincent Danos, Russ Harmer and Ricardo Honorato-Zimmer. <i>Thermodynamic graph-rewriting</i> | FORMATS: Verification, Analysis & Semantics of Timed Models I <ul style="list-style-type: none"> • Eugene Asarin, Nicolas Basset and Aldric Degorre. <i>Spectral Gap in Timed Automata</i> • Manuel Garnacho, Jean-Paul Bodeveix and Mamoun Filali-Amine. <i>A Mechanized Semantic Framework for Real-Time Systems</i> • Christos Stergiou, Stavros Tripakis, Eleftherios Matsikoudis and Edward Lee. <i>On the Verification of Timed Discrete-Event Models</i> • Eleftherios Matsikoudis and Edward Lee. <i>On Fixed Points of Strictly Causal Functions</i> |
| 12:30–14:00 | Lunch | |
| 14:00–16:00 | CONCUR: Message-based Interacting Processes <ul style="list-style-type: none"> • Dimitrios Kouzapas and Nobuko Yoshida. <i>Globally Governed Session Semantics</i> • Vivek Nigam, Carlos Olarte and Elaine Pimentel. <i>A General Proof System for Modalities in Concurrent Constraint Programming</i> • Fabrizio Montesi and Nobuko Yoshida. <i>Compositional Choreographies</i> • Javier Esparza and Jörg Desel. <i>On Negotiation as Concurrency Primitive</i> | QEST: Control & Games <ul style="list-style-type: none"> • S. Akshay, Nathalie Bertrand, Serge Haddad and Loic Helouet. <i>The steady-state control problem for Markov decision processes</i> • Majid Zamani and Alessandro Abate. <i>Symbolic Control of Stochastic Switched Systems via Finite Abstractions</i> • Taolue Chen, Marta Kwiatkowska, Aistis Simaitis and Clemens Wiltsche. <i>Synthesis for Multi-Objective Stochastic Games: An Application to Autonomous Urban Driving</i> • Parosh Aziz Abdulla, Lorenzo Clemente, Richard Mayr and Sven Sandberg. <i>Stochastic Parity Games on Lossy Channel Systems</i> |
| 16:00–16:30 | Coffee Break | |
| 16:30–18:00 | CONCUR: Principles of Automatic Verification <ul style="list-style-type: none"> • Claudia Carapelle, Alexander Kartzow and Markus Lohrey. <i>Satisfiability of CTL* with constraints</i> • Sjoerd Cranen, Tim Willemsse and Bas Luttik. <i>Proof graphs for parameterized Boolean equation systems</i> • Vijay D'Silva. <i>A Generalization of Simulation to Abstract Domains</i> | FORMATS: Exploring Timed Formalisms <ul style="list-style-type: none"> • David N. Jansen. <i>More or Less True: DCTL for Continuous-Time MDPs</i> • Guoqiang Li, Xiaojuan Cai, Mizuhito Ogawa and Shoji Yuen. <i>Nested Timed Automata</i> • Thomas Brihaye, Morgane Estiévenart and Gilles Geeraerts. <i>On MITL and alternating timed automata</i> |

Friday 30th of August

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| Room | 212 | Salón de actos |
| 9:00–10:00 | CONCUR Invited Speaker Joost-Pieter Katoen. <i>Concurrency meets Probability: Theory and Practice</i> | QEST Invited Speaker Edmundo de Souza e Silva. <i>On the Interplay between Content Popularity and Performance in P2P Systems</i> |
| 10:00–10:30 | Coffee Break | |
| 10:30–12:30 | TGC Invited Speaker Luca de Alfaro. <i>Crowdsourcing Quality Information</i> | FORMATS & QEST joint session: Timed Automata & Simulation <ul style="list-style-type: none"> • Peter Höfner and Maryam Kamali. <i>Quantitative Analysis of AODV and its Variants on Dynamic Topologies using Statistical Model Checking (FORMATS)</i> • Paolo Ballarini, Nathalie Bertrand, Andras Horvath, Marco Paolieri and Enrico Vicario. <i>Transient Analysis of Networks of Stochastic Timed Automata using Stochastic State Classes (QEST)</i> • Daniel Reijbergen, Pieter-Tjerk de Boer, Werner Scheinhardt and Boudewijn Haverkort. <i>Automated Rare Event Simulation for Stochastic Petri Nets (QEST)</i> • Ansgar Fehnker, Peter Hoefner, Maryam Kamali and Vinay Mehta. <i>Transition-based Mobility Models for Wireless Networks (QEST)</i> QEST - Closing |
| 12:30–14:00 | Lunch | |
| 14:00–16:00 | CONCUR: Games and Control Synthesis <ul style="list-style-type: none"> • Krishnendu Chatterjee and Yaron Velner. <i>Hyperplane Separation Technique for Multidimensional Mean-Payoff Games</i> • Julian Gutierrez and Glynn Winskel. <i>Borel Determinacy of Concurrent Games</i> • Thomas Dueholm Hansen, Rasmus Ibsen-Jensen and Peter Bro Miltersen. <i>A Faster Algorithm for Solving One-Clock Priced Timed Games</i> • Ocan Sankur, Patricia Bouyer, Nicolas Markey and Pierre-Alain Reynier. <i>Robust Controller Synthesis in Timed Automata</i> | TGC: π-calculus <ul style="list-style-type: none"> • Hans Hüttel. <i>Types for resources in psi-calculi</i> • Johannes Borgström, Ramūnas Gutkovas, Joachim Parrow, Björn Victor and Johannes Åman Pohjola. <i>A Sorted Semantic framework for Applied Process Calculi</i> • Neda Saeedloei and Gopal Gupta. <i>Timed pi-calculus</i> • Marco Giunti and António Ravara. <i>Static deadlock resolution in the pi-calculus</i> |
| 16:00–16:30 | Coffee Break | |
| 16:30–18:00 | TGC: Information Flow <ul style="list-style-type: none"> • Pejman Attar and Ilaria Castellani. <i>Fine-grained and Coarse-grained Reactive Noninterference</i> • Luísa Lourenço and Luís Caires. <i>Information Flow Analysis for Valued-Indexed Data Security Compartments</i> • Pablo Buiras, Deian Stefan, Amit Levy, Alejandro Russo and David Mazieres. <i>A Library For Removing Cache-based Attacks in Concurrent Information Flow Systems</i> | FORMATS: Scheduling and Control <ul style="list-style-type: none"> • Pranav Tendulkar, Peter Poplavko and Oded Maler. <i>Symmetry Breaking for Multi-Criteria Mapping and Scheduling on Multicores</i> • Dominik Wojtczak. <i>Optimal Control for Linear-Rate Multi-Mode Systems</i> • Franck Cassez and Alban Grastien. <i>Predictability of Event Occurrences in Timed Systems</i> |

Saturday 31st of August

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| Room | 212 | Salón de actos |
| 9:00–10:00 | TGC Invited Speaker Nobuko Yoshida. <i>Multiparty session types and their application in large distributed systems</i> | FORMATS: Time Petri Nets and Distributed Models <ul style="list-style-type: none"> • Thomas Chatain and Claude Jard. <i>Back in Time Petri Nets</i> • Étienne André, Giuseppe Pellegrino and Laure Petrucci. <i>Precise Robustness Analysis of Time Petri Nets with Inhibitor Arcs</i> • Bernadette Charron-Bost, Matthias Függer and Thomas Nowak. <i>Transience Bounds for Distributed Algorithms</i> |
| 10:00–10:30 | Coffee Break | |
| 10:30–11:00 | TGC: Models, Specifications, and Proofs | Coffee Break |
| 11:00–12:30 | <ul style="list-style-type: none"> • Serge Haddad, Rolf Hennicker and Mikael H. Møller. <i>Specification of Asynchronous Component Systems with Modal I/O-Petri Nets</i> • Andrea Corradini, Leila Ribeiro, Odorico Mendizabal and Fernando Luís Dotti. <i>A Formal Model for the Deferred Update Replication Technique</i> • Gustavo Petri. <i>Studying Operational Models of Relaxed Concurrency</i> • Martin Nordio, Cristiano Calcagno and Bertrand Meyer. <i>Certificates and Separation Logic</i> | FORMATS: Verification, Analysis & Semantics of Timed Models II <ul style="list-style-type: none"> • Marco Muniz, Bernd Westphal and Andreas Podelski. <i>Detecting Quasi-Equal clocks in Timed Automata</i> • Mark Timmer, Jaco Van De Pol and Mariëlle I A Stoelinga. <i>Confluence Reduction for Markov Automata</i> • Patricia Bouyer, Nicolas Markey and Ocan Sankur. <i>Robust Weighted Timed Automata and Games</i> • Willibald Krenn, Dejan Nickovic and Loredana Tec. <i>Incremental Language Inclusion Checking for Networks of Timed Automata</i> |
| 12:30–13:00 | Lunch | FORMATS - Closing |
| 13:00–14:00 | | Lunch |
| 14:00–16:00 | TGC Invited Speaker Jane Hilston. <i>Fluid Approximation for Analysis of Collective Adaptive Systems</i> | |
| | TGC: Quantitative Analysis <ul style="list-style-type: none"> • Diego Latella, Michele Loreti and Mieke Massink. <i>On-the-fly Fast Mean-Field Model-Checking</i> • Marco Bernardo, Rocco De Nicola and Michele Loreti. <i>Group-by-Group Probabilistic Bisimilarities and their Logical Characterizations</i> TGC - Closing | |
| 16:00–16:30 | Coffee Break | |

Saturday 31st of August

| | MEALS | TRENDS | YR-CONCUR |
|----------------|--|---|--|
| 9:00–10:30 | TRENDS & MEALS Invited Speakers | | <i>Session 1</i> |
| | <ul style="list-style-type: none"> Holger Hermanns. <i>El futuro de la enseñanza de la programación concurrente</i> Mohammad Reza Mousavi. <i>Concurrency Theory Applied to Testing Software Systems: From Theory to Practice and Back</i> | | <ul style="list-style-type: none"> Luis Pino, Filippo Bonchi and Frank Valencia. <i>Efficient Computation of Program Equivalence for Confluent Concurrent Constraint Programming</i> Dominik Bucher, Ilias Garnier, Ricardo Honorato and Vincent Danos. <i>Decomposition of Strongly Coupled Systems</i> Silvia Pelozo. <i>Quantitative verification framework for distributed random protocols</i> |
| 10:30–11:00 | Coffee Break | | |
| 11:00–12:30 | <i>Session “Empanadas”</i> | Invited Speakers | <i>Session 2</i> |
| | <ul style="list-style-type: none"> Thomas Noll. <i>Characterization of Failure Effects on AADL Models</i> Sebastian Uchitel. <i>Abstractions for Behaviour Validation</i> Carlos Lopez Pombo. <i>Satisfiability in general logics and software analysis</i> | <ul style="list-style-type: none"> David de Frutos Escrig. <i>Semantics of Concurrent Processes: Unification and New Directions</i> Uwe Nestmann. <i>T.B.A.</i> | <ul style="list-style-type: none"> Christian J. Bell. <i>Sound Loop Paralellization</i> Gervasio Perez and Sergio Yovine. <i>Formal Design and Implementation of a Platform-Agnostic Template Library for Concurrent Programming</i> Paulin Fournier. <i>Parameterized verification of networks with many identical probabilistic timed processes</i> |
| 12:30–13:00 | Lunch | Business meeting IFIP WG 1.8 | Lunch |
| 13:00–14:00 | | Lunch | |
| 14:00–16:00 | <i>Session “Asado”</i> | | <i>Session 3</i> |
| | <ul style="list-style-type: none"> Valeria Bengolea. <i>Incremental SAT Solving and Tight Bounds for Test Generation under Rich Contracts</i> Sjoerd Cranen. <i>A translation from CTL* to the first-order μ-calculus</i> Guillaume Hoffmann. <i>Tableaux for Relation-Changing Modal Logics</i> Nazareno Aguirre. <i>Automated Goal Operationalisation based on Interpolation and SAT Solving</i> Julien Lange. <i>Choreography Synthesis as Contract Agreement</i> | | <ul style="list-style-type: none"> Paul Hunter, Guillermo Perez and Jean-Francois Raskin. <i>Mean-payoff games with incomplete information</i> Andrey Gorlin. <i>Probabilistic Model Checking via Logic Programming</i> Carlos E. Budde. <i>A theory for the semantics of continuous systems with stochastic and structural non-determinism</i> |
| 16:00–16:30 | Coffee Break | | |
| 16:30–18:00 | <i>Session “Queso y Dulce”</i> | | |
| | <ul style="list-style-type: none"> Uli Fahrenberg. <i>Generalized Quantitative Analysis of Metric Transition Systems</i> Luis Fernando Pino Duque. <i>Algorithms for Bisimilarity in Concurrent Constraint Programming</i> Matias D. Lee. <i>Axiomatizing bisimilarity of Probabilistic Transition System Specifications</i> Holger Hermanns. <i>The timing of Stuxnet</i> | | |
| Starting 20:00 | Workshop Dinner | | |