Programme
TABLEAUX

25-28 SEPTEMBER
BRASÍLIA - BRAZIL 2017

26th International Conference on Automated Reasoning with Analytic Tableaux and Related Methods | Co-located with FroCoS 2017 and ITP 2017

Monday, 25th of September

Session 1: Opening & TABLEAUX Anniversary Invited Talk
Chair: Jens Otten

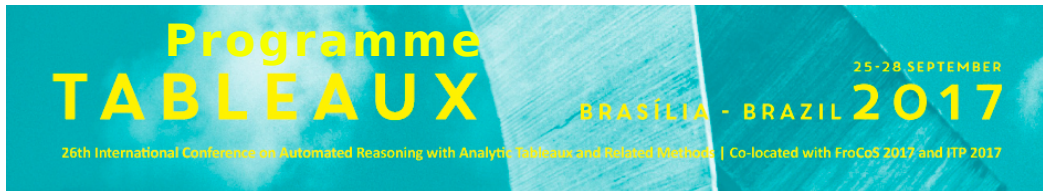|	
14:15 – 14:30	Opening Session
	Renate A. Schmidt and Cláudia Nalon
14:30 – 15:30	A Vision for Automated Deduction Rooted in the Connection Method
	Wolfgang Bibel
	Sponsored by the European Association for Artificial Intelligence (EurAI)
15:30 – 16:00	Coffee Break

Session 2: TABLEAUX Anniversary Invited Talk & TABLEAUX Best Paper Award
Chair: Neil Murray

16:00 – 17:00	Locally Abstract, Globally Concrete Semantics of Concurrent Programming Languages
	Reiner Hähnle
	Sponsored by the European Association for Artificial Intelligence (EurAI)
17:00 – 17:15	TABLEAUX Award
	Renate A. Schmidt
17:15 – 18:00	Anniversary Exhibition Opening
	Cláudia Nalon

Programme
TABLEAUX

Brasília - Brazil 2017
25-28 SEPTEMBER

26th International Conference on Automated Reasoning with Analytic Tableaux and Related Methods | Co-located with FroCoS 2017 and ITP 2017

Tuesday, 26th of September

ITP Invited Talk
Chair: César Muñoz

08:30 – 09:30	Whitebox Automation
	Leonardo de Moura

Session 3: TABLEAUX Best Paper & Sequent Systems
Chair: Didier Galmiche

09:30 – 10:00	Cut-Admissibility as a Corollary of the Subformula Property
	Ori Lahav and Yoni Zohar
10:00 – 10:30	Proof Theory for Indexed Nested Sequents
	Sonia Marin and Lutz Strassburger

10:30 – 11:00	Coffee Break

Session 4: Transitive Closure & Cyclic Proofs
Chair: Peter Baumgartner

11:00 – 11:30	Integrating a Global Induction Mechanism into a Sequent Calculus
	David Cerna and Michael Lettmann
11:30 – 12:00	Realizability in Cyclic Proof: Extracting Ordering Information for Infinite Descent
	Reuben Rowe and James Brotherston
12:00 – 12:30	Cyclic Proofs with Ordering Constraints
	Sorin Stratulat

12:30 – 14:00	Lunch

Session 5: TABLEAUX Invited Talk & Formalisation
Chair: Pascal Fontaine

14:00 – 15:00	Tableau Calculus for Hybrid Xpath with Data
	Carlos Areces
15:00 – 15:30	A Mechanizable First-Order Theory of Ordinals
	Peter Schmitt

15:30 – 16:00	Coffee Break

Session 6: Tableaux, Temporal Logic & Decidability
Chair: Clare Dixon

16:00 – 16:30	Goal-Sensitive Reasoning with Disconnection Tableaux
	Lee Barnett
16:30 – 17:00	Tableaux for Policy Synthesis for MDPs with PCTL* Constraints
	Peter Baumgartner, Sylvie Thiebaux and Felipe Trevizan
17:00 – 17:30	Minimization of ATL* Models
	Serenella Cerrito and Amélie David
17:30 – 18:00	Parameterized Provability in Equational Logic
	Mateus de Oliveira Oliveira

Programme
TABLEAUX
26th International Conference on Automated Reasoning with Analytic Tableaux and Related Methods | Co-located with FroCoS 2017 and ITP 2017

25-28 SEPTEMBER
BRASÍLIA - BRAZIL 2017

Wednesday, 27th of September

Session 7: Joint Tableaux/FroCoS/ITP Invited Talk, Transitive Closure & Cyclic Proofs
Chair: Elaine Pimentel

08:30 – 09:30	The Perimeter of Decidability (with Sequent Calculi on the Inside)
	Katalin Bimbó
09:30 – 10:00	Completeness for Ancestral Logic via a Computationally-Meaningful Semantics
	Liron Cohen
10:00 – 10:30	A Cut-Free Cyclic Proof System for Kleene Algebra
	Anupam Das and Damien Pous

10:30 – 11:00	Coffee Break

Session 8: Sequent Systems
Chair: Rajeev Goré

11:00 – 11:30	A Forward Unprovability Calculus for Intuitionistic Propositional Logic
	Camillo Fiorentini and Mauro Ferrari
11:30 – 12:00	VINTE: an Implementation of Internal Calculi for Lewis' Logics for Counterfactual Reasoning
	Marianna Girlando, Björn Lellmann, Nicola Olivetti, Gian Luca Pozzato and Quentin Vitalis
12:00 – 12:30	Hypersequent Calculi for Lewis Conditional Logics with Uniformity
	Marianna Girlando, Björn Lellmann, Nicola Olivetti and Gian Luca Pozzato

12:30 – 14:00	Lunch

Joint Tableaux/FroCoS/ITP Invited Talk
Chair: Amy Felty

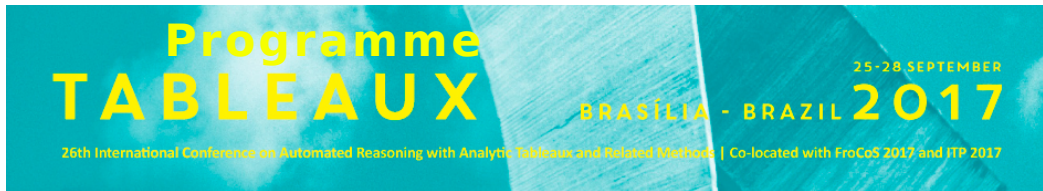|	
14:00 – 15:00	Automating Formalization by Statistical and Semantic Parsing of Mathematics
	Cezary Kaliszyk

Session 9: Sequent Systems (cont'd)
Chair: Serenella Cerrito

15:00 – 15:30	Interpreting Sequent Calculi as Client-Server Games
	Christian Fermüller and Timo Lang

15:30 – 15:45	Coffee Break
15:45 – 22:00	Excursion & Dinner

Programme
TABLEAUX

25-28 SEPTEMBER
BRASÍLIA - BRAZIL 2017

26th International Conference on Automated Reasoning with Analytic Tableaux and Related Methods | Co-located with FroCoS 2017 and ITP 2017

Thursday, 28th of September

Session 10: FroCoS Invited Talk & Poster Session
Chair: Clare Dixon

08:30 – 09:30	Revising System Specifications in Temporal Logic
	Renata Wassermann
09:30 – 09:45	FLOC 2018 Announcement
	Didier Galmiche, Roberto Sebastiani
09:45 – 10:30	Poster talks
10:30 – 11:00	Coffee Break & Poster Display
11:00 – 12:30	Poster Display
12:30 – 14:00	Lunch

Joint Tableaux/FroCoS/ITP Invited Talk
Chair: Marcelo Finger

14:00 – 15:00	Foundational (Co)Datatypes and (Co)Recursion for Higher-Order Logic
	Jasmin Blanchette

Session 11: Formalisation
Chair: Giselle Reis

15:00 – 15:30	Issues in Machine-Checking the Decidability of Implicational Ticket Entailment
	Jeremy Dawson and Rajeev Goré
15:30 – 16:00	Coffee Break

Session 12: Non-Classical Logics
Chair: Hans de Nivelle

16:00–16:30	Non-Clausal Connection Calculi for Non-Classical Logics
	Jens Otten
16:30 – 17:00	Rule Refinement for Semantic Tableau Calculi
	Dmitry Tishkovsky and Renate A. Schmidt
17:00 – 17:05	Closing
17:05 – 18:00	Business Meeting
	Jens Otten, Franz Baader, César Muñoz