



SUNDAY 25.08

Workshops at Hotel Praiamar

	LSFA	ThEDU	DEMENT
08:30 - 09:00	Opening	Nuno Baeta, Pedro Quaresma and Zoltán Kovács. <i>Towards a Geometry Automated Provers Competition</i>	Christoph Weidenbach. <i>Getting Tenure in Automated Deduction</i>
09:00 - 10:00	Invited Talk: Achim Jung. <i>Separating truth from falsity</i>	Vanda Santos and Pedro Quaresma. <i>Geometry Conjectures Validation - Case Study.</i> Joke Meheus, Kris Coolsaet, Stef Frijters, Thijs De Coninck and Sofie Avery Alonzo. <i>An Intelligent Multi-Tutor for Logic Curricula</i>	Josef Urban. <i>AIAI4AITP, Adventures in Artificial Intelligence for Automated and Interactive Theorem Proving</i>
10:00 - 10:30	Coffee break	Coffee break	Coffee break
10:30 - 12:00	Miguel Campercholi, Mauricio Tellechea and Pablo Ventura. <i>Deciding Open Definability in Algebraic Structures</i> Uwe Wolter, Alfio Martini and Edward Haeusler. <i>Indexed and Fibred Structures for Hoare Logic</i> Mauricio Ayala-Rincon, Maribel Fernandez, Daniele Nantes-Sobrinho and Deivid Vale. <i>On Solving Nominal Disunification Constraints</i>	Ludovic Font, Nicolas Leduc, Michel Gagnon and Philippe R. Richard. <i>An Automated Geometry Theorem Prover in Prolog that Provides Proofs Relevant for High School Mathematics Education</i> IS: Sarah Winkler. <i>Automation of Rewriting for Fun in Research and Profit in Teaching</i>	Cesare Tinelli. <i>Should I work on SAT/SMT reasoning? Challenges and opportunities</i> Geoff Sutcliffe. <i>How to Give a Successful Talk</i>
12:00 - 14:00	Lunch	Lunch	Lunch
14:00 - 15:00	Bruno Olímpio, Jefferson Santos and Bruno Lopes. <i>A framework to model check Blockchain using nuXmv</i> Mario Benevides and Isaque Macalam Saab Lima. <i>Dynamic Epistemic Logic with Assignments, Concurrency and Communication Actions</i>	Geometry Automated Provers Competition Results ThEdu'19 business meeting	
15:00 - 16:00	Invited Talk: Giselle Reis. <i>Linear Logical Frameworks</i>		
16:00 - 16:30	Coffee break	Coffee break	
16:30 - 17:30	Business meeting		

MONDAY 26.08

	LSFA	PxTP	ARCADE
08:30 - 09:00		Opening	
09:00 - 10:00	Invited Talk: Vivek Nigam. <i>Formal Security Verification of Industry 4.0 Applications</i>	Invited Talk: Assia Mahboubi. <i>Systems for Doing Mathematics by Computer</i>	Christoph Weidenbach. <i>The Challenge of Unifying Semantic and Syntactic Inference Restrictions</i> John Hester. <i>Automated Axiom Schemas with E</i> Claudia Schon, Frieder Stolzenburg and Sophie Siebert. <i>Using ConceptNet to Teach Common Sense to an Automated Theorem Prover</i> Georg Moser and Sarah Winkler. <i>Smarter Features, Simpler Learning</i>
10:00 - 10:30	Coffee break	Coffee break	Coffee break
10:30 - 12:30	Vitor Machado and Mario Benevides. <i>Populational Announcement Logic (PPAL)</i> Lourdes Del Carmen González Huesca, Favio E. Miranda-Perea and Pilar Selene Linares. <i>Dual and Axiomatic systems for constructive S4, a formally verified equivalence</i> Invited Talk: Elaine Pimentel. <i>An Ecumenical Notion of Entailment</i>	Mathias Fleury and Hans-Jörg Schurr. <i>Reconstructing veriT Proofs in Isabelle/HOL</i> Mohamed Yacine El Haddad, Guillaume Burel and Frédéric Blanqui. <i>EKSTRAKTO A tool to reconstruct proofs from TSTP traces in Dedukti</i> Alex Ozdemir, Aina Niemetz, Mathias Preiner, Yoni Zohar and Clark Barrett. <i>DRAT-based Bit-Vector Proofs in CVC4</i>	Jasmin Blanchette, Pascal Fontaine, Stephan Schulz, Sophie Tournet and Uwe Waldmann. <i>Stronger Higher-Order Automation: A Report on the Ongoing Matryoshka Project</i> Christoph Benz Müller and Geoff Sutcliffe. <i>Explicit Normative Reasoning and Machine Ethics</i> Naveen Sundar Govindarajulu and Selmer Bringsjord. <i>On Theorem Proving for Quantified Modal Logics: With Applications in Modeling Ethical Principles</i> Martin Riener. <i>How can we improve theorem provers for tool chains?</i> Giles Reger. <i>Boldly Going Where No Prover Has Gone Before</i>
12:30 - 14:00	Lunch	Lunch	Lunch
14:00 - 15:00	Manisha Jain, Alexandre Madeira and Manuel A. Martins. <i>A Fuzzy Modal Logic for Fuzzy transition systems</i> Leandro Gomes, Alexandre Madeira and Luis Barbosa. <i>Introducing synchrony in fuzzy automata</i>	Invited Talk: Thibault Gauthier. <i>Learning from Tactic Steps in Formal Proofs</i>	Pedro Quaresma, Intelligent Geometry Community, and James H. Davenport. <i>Intelligent Geometry Tools</i>
15:00 - 16:00	Invited Talk: Pascal Fontaine. <i>Handling quantifiers in SMT</i>	Jieying Chen, Ghadah Abdulrahman S Alghamdi, Renate A. Schmidt, Dirk Walther and Yongsheng Gao. <i>Modularity Meets Forgetting: A Case Study with the SNOMED CT Ontology</i> Burak Ekici, Arjun Viswanathan, Yoni Zohar, Clark Barrett and Cesare Tinelli. <i>Verifying Bit-vector Invertibility Conditions in Coq</i>	Diego Calvanese, Silvio Ghilardi, Alessandro Gianola, Marco Montali and Andrey Rivkin. <i>Verification of Data-Aware Processes. Challenges and Opportunities for Automated Reasoning</i>
16:00 - 16:30	Coffee break	Coffee break	Coffee break
16:30 - 18:00		Fadi Kallat, Tristan Schäfer and Anna Vasileva. <i>CLS-SMT: Bringing Together Combinatory Logic Synthesis and Satisfiability Modulo Theories</i> Eunice Palmeira Silva, Fred Freitas and Jens Otten. <i>Converting ALC Connection Proofs into ALC Sequents</i>	
18:00 - 18:45		PxTP Business Meeting	