UNIF 2024 - 38th International Workshop on Unification
July 2, 2024 | Nancy, France

Program

08:50 - 09:00 Welcome Session

09:00 - 10:00 Session 1 (Invited Talk). Chair: Santiago Escobar

- (09:00) Daniele Nantes-Sobrinho (Universidade de Brasília, Imperial College London). **Frame Inference in Separation Logic via Associative-Commutative Matching**

10:00 - 10:30 Session 2 (Undecidability). Chair: David M. Cerna

- (10:00) Serdar Erbatur, Andrew M. Marshall, Paliath Narendran, and Christophe Ringeissen. **Undecidability of Static Equivalence in Leaf Permutative Theories**

10:30 - 11:00 Coffee Break

11:00 - 12:30 Session 3 (Commutative Theories). Chair: Silvio Ghilardi

- (11:00) Christophe Ringeissen and Laurent Vigneron. **Combined Abstract Congruence Closure for Associative or Commutative Theories**
- (11:30) Daniella Santaguida and Daniele Nantes-Sobrinho. **Nominal Commutative Narrowing (Work in progress)**
- (12:00) Andrés Felipe González Barragán, David M. Cerna, Mauricio Ayala-Rincón, and Temur Kutsia. **On Anti-Unification over Absorption, Associative, and Commutative Theories**

12:30 - 14:00 Lunch Break

14:00 - 15:00 Session 4 (Invited Talk). Chair: Oliver Fernández Gil

- (14:00) George Metcalfe (University of Bern). **Independence in Logic and Algebra**

15:00 - 16:00 Session 5 (Permissive Nominals, Convexity). Chair: Temur Kutsia

- (15:00) Alexander Baumgartner. **Towards a Well-Founded $\preceq$ Relation for Permissive Nominal Terms** *(virtual presentation)*
- (15:30) Josué A. Ruiz, Amir Masoumzadeh, Paliath Narendran, and Padmavathi Iyer. **On Testing Convexity of 2DNF** *(virtual presentation)*

16:00 - 16:30 Coffee Break

16:30 - 18:00 Session 6 (High-Order Unification, Types). Chair: ***to be announced...***

- (16:30) David M. Cerna and Julian Parsert. **One is all you need: Second-order Unification without First-order Variables**
- (17:00) Jean-Pierre Jouannaud. **Type Independent Unification of Higher-Order Patterns**
- (17:30) Gabriela Ferreira, David M. Cerna, Mauricio Ayala-Rincón, and Temur Kutsia. **Computing Generalizers over Intersection and Union Type Theories**

18:00 - 18:15 Closing Session