Wednesday 27th September
8.30-9.30 Joint FroCoS/ITP/Tableaux Invited Talk
Chair:
The Perimeter of Decidability (with Sequent Calculi on the Inside)
Katalin Bimbó
9.30-10.30 Technical Session: Properties and Combinations of Logic I
Chair: Didier Galmiche
First-Order Interpolation of Non-Classical Logics Derived from Propositional Interpolation
Matthias Baaz and Anela Lolic
Interpolation, Amalgamation and Combination (the non-disjoint signatures case)
Silvio Ghilardi and Alessandro Gianola
10.30-11.00 Coffee
11.00-12.30 Technical Session: Description and Temporal Logics
Chair: Silvio Ghilardi
Metric Temporal Description Logics with Interval-Rigid Names
Franz Baader, Stefan Borgwardt, Patrick Koopmann, Ana Ozaki and Veronika Thost
Pushing the Boundaries of Reasoning about Qualified Cardinality Restrictions
Jelena Vlasenko, Volker Haarslev and Brigitte Jaumard
Using Ontologies to Query Probabilistic Numerical Data
Franz Baader, Patrick Koopmann and Anni-Yasmin Turhan
12.30-14.00 Lunch
14.00-15.00 Joint FroCoS/ITP/Tableaux Invited Talk
Chair:
Automating Formalization by Statistical and Semantic Parsing of Mathematics
Cezary Kaliszyk
15.00-15.30 Technical Session: Description and Temporal Logics (Cont.)
Chair: Silvio Ghilardi
A New Description Logic with Set Constraints and Cardinality Constraints on Role Successors
Franz Baader
15.30-18.00 Coffee and Excursion
18.00-22.30 Dinner

Thursday 28th September
8.30-9.30 FroCoS Invited Talk
Chair: Clare Dixon
Revising System Specifications in Temporal Logic
Renata Wassermann
9.30-10.30 Poster Talks
10.30-11.00 Coffee
11.00-12.30 Poster Display
12.30-14.00 Lunch
14.00-15.00 Joint FroCoS/ITP/Tableaux Invited Talk
Chair: Marcelo Finger
Foundational (Co)datatypes and (Co)recursion for Higher-Order Logic
Jasmin Blanchette
15.00-15.30 Technical Session: Properties and Combinations of Logic II
Chair: Franz Baader

Finitariness of elementary unification in Boolean Region Connection Calculus
Philippe Balbiani and Cigdem Gencer

15.30-16.00 **Coffee**

16.00-17.00 **Technical Session: Properties and Combinations of Logic II (Cont.)**
Chair: Franz Baader

* Merging fragments of classical logic
  Carlos Caleiro, Sergio Marcelino and Joao Marcos
  
  * The Boolean Solution Problem from the Perspective of Predicate Logic
  Christoph Wernhard

17.00-18.00 **Business Meeting**

**Friday 29th September**

8.30-9.30 **ITP Invited Talk**
Chair: Moa Johansson

* Automated Theory Exploration for Interactive Theorem Proving: An introduction to the Hipster system
  (Sponsored by the European Association for Artificial Intelligence - EurAI)

9.30-10.30 **Technical Session: Rewriting**
Chair: Daniele Nantes

* Parallel Closure Theorem for Left-Linear Nominal Rewriting Systems
  Kentaro Kikuchi, Takahito Aoto and Yoshihito Toyama

* Complexity Analysis for Term Rewriting by Integer Transition Systems
  Matthias Naaf, Florian Frohn, Marc Brockschmidt, Carsten Fuhs and Jurgen Giesl

10.30-11.00 **Coffee**

11.00-12.30 **Technical Session: Decision procedures, decidability and verification**
Chair: Pascal Fontaine

* On solving nominal fixpoint equations
  Mauricio Ayala-Rincon, Washington de Carvalho Segundo, Maribel Fernandez and Daniele Nantes-Sobrinho

* Decidable Verification of Decision-Theoretic Golog
  Jens Claßen and Benjamin Zarrieß

* The Bernays-Schönfinkel-Ramsey Fragment with Bounded Difference Constraints over the Reals is Decidable
  Marco Voigt

12.30-14.00 **Lunch**

14.00-15.00 **FroCoS Invited Talk**
Chair: Roberto Sebastiani

* Designing Extensible Theory Solvers
  Cesare Tinelli

15.00-15.30 **Technical Session: SAT, SMT and Automated Theorem Proving**
Chair: Peter Baumgartner

* Solving SAT and MazSAT with a Quantum Annealer: Foundations and a Preliminary Report
  Zhengbing Bian, Fabian Chudak, William Macready, Aidan Roy, Roberto Sebastiani and Stefano Varotti

15.30-16.00 **Coffee**

16.00-17.00 **Technical Session: SAT, SMT and Automated Theorem Proving (Cont.)**
Chair: Peter Baumgartner

* Superposition with Integrated Induction
  Simon Cruanes

* Subtropical Satisfiability
  Pascal Fontaine, Mizuhito Ogawa, Thomas Sturm and Xuan Tung Vu

17.00-17.30 **Closing**