Important deadlines:

- Submission (full paper): March 17, 2020
- Notification: May 17, 2020
- Registration: May 31, 2020
- Camera ready: June 11, 2020

Tracks:

**Trends on computation**
- Assertion-based analysis; Conditional transformation systems; Generalized learned constraints; Constraint propagation; Stable-unstable semantics; Abstract compilation; Semantic code browsing; Pointer analysis; Minimal entailment; Infinitary formulas; Static profiling of parametric resource usage; Rewriting optimization statements; Algebraic effect handlers; Non-ground rules; Resource-based answer set semantics; Local domain symmetry; Knowledge patterns; Knowledge representation; Grounded fixpoints; Supersafe rules; Qualitative spatio-temporal reasoning; Reasoning about truthfulness; Cause-effect relations; Higher-order logics; Models expansion; Optimal stable models; Intelligent instantiations; Answer set programming; Non-monotonic cause-effect relations; Paraconsistency; Active integrity constraints

**Logics**
- Reasoning logics; Fuzzy logics; Semantic logics; Temporal logics; Emotion logics; Ambiant logics; Modal logics; Description logics; Computational tree logic; Computational logics and constraints; Quantum computational logics; Executable computational logics; Monadic computational logics; Many-valued computational logics; Computability logic

**Algebras**
- Computational algebras; \( K \)-theories, \( C^* \)-algebras, Index theory; Algebraic and topological \( K \)-theory; Geometric group theory and group \( C^* \)-algebras; Noncommutative geometry and topology; Pseudodifferential operators on singular manifolds; Topological invariants of non-simply connected manifolds; Deformation quantization; Lambda calculus; Relation algebra; Algebras for symbolic computation; Constructive algebras

**Advanced computation techniques**
- Machine learning; Fuzzy theory/computation/logic; (Artificial) neuronal networks; Distributed artificial intelligence; Genetic algorithms; Analytic tableaux; Autonomous agent-based techniques; Knowledge-based systems and automated reasoning; Logical issues in knowledge representation /non-monotonic reasoning/belief; Dempster-Shafer theory; Concurrent computation and planning; Deduction and reasoning

**Specialized programming languages**
- Logic programming; Specialized computation languages; Real-time computation languages; Embedded-computing languages; Programming semantics; Content-driven programming; Multimedia-oriented programming; Context-driven programming; Service-oriented programming; Pattern-oriented programming; Regenerative programming; Progressive programming; Sensing-oriented programming; Mobile-ubiquity-oriented computing; Compilation issues

**Tools for distributed computation**
- Platforms for distributed computing; Specification and verification of programs and systems; Techniques for cloud computing; On-request resource allocation mechanisms; Security and privacy techniques; Computational benchmarking metrics, criteria and methodologies; Distributed debug and on-fly repairing; Inference of schemas, integrity constraints in computational applications; Real-world applications, experiments, projects