

## **Action-based planning**

- Planning as model checking
- Planning via model checking: a decision procedure for AR
- Weak, strong, and strong cyclic planning via symbolic model checking
- Conformant planning via symbolic model checking
- Automatic OBDD-based generation of universal plans in non-deterministic domains
- Strong planning in non-deterministic domains via model checking
- Planning with a language for extended goals
- Planning as model checking extended goals in non-deterministic domains
- Symbolic techniques for planning with extended goals in non-deterministic domains
- Decidability and complexity of action-based temporal planning over dense time
- Linear temporal logic as an executable semantics for planning languages
- Automata-theoretic approach to planning for temporally extended goals
- Planning as satisfiability: parallel plans and algorithms for plan search
- Planning for temporally extended goals as propositional satisfiability

## **Timeline-based planning**

- Timelines are expressive enough to capture action-based temporal planning
- Complexity of timeline-based planning
- Complexity of qualitative timeline-based planning
- A novel automata-theoretic approach to timeline-based planning
- On timeline-based games and their complexity
- Timeline-based planning over dense temporal domains

## **Formal methods and learning**

- Learning Linear Temporal Properties

- Bayesian Inference of Linear Temporal Logic Specifications for Contrastive Explanations
- A Decision Tree Approach to Data Classification using Signal Temporal Logic
- A Robust Genetic Algorithm for Learning Temporal Specifications from Data
- General LTL specification mining
- Interpretable apprenticeship learning with temporal logic specifications
- Learning how to monitor: pairing monitoring and learning for online system verification
- Temporal Logic based Monitoring of Assisted Ventilation in Intensive Care Patients
- A Temporal Logic based Framework for Intrusion Detection
- Issues and Advances in Anomaly Detection Evaluation for Joint Human-Automated Systems