

# **28th International Symposium on Temporal Representation and Reasoning**

**Monday, 27 September 2021 - Wednesday, 29 September 2021**

**University of Klagenfurt, Austria**  
**Programme**

# Monday 27 September 2021

## Opening Ceremony (10:45-11:00)

### Invited Talk 1 (11:00-12:00)

time	title	presenter
11:00	Simple Temporal Networks: A Practical Foundation for Temporal Representation and Reasoning	HUNSBERGER, Luke POSENATO, Roberto

## Lunch Break (12:00-14:00)

### Temporal Data Modeling and Querying (14:00-15:00)

time	title	presenter
14:00	Investigation of database models for evolving graphs	SPITALAS, Alexandros
14:20	Achieving a Sequenced, Relational Query Language with Log-Segmented Timestamps	
14:40	Deciding FO-rewritability of Ontology-Mediated Queries in Linear Temporal Logic	RYZHIKOV, Vladislav

## Coffee Break (15:00-15:30)

### Temporal Planning (15:30-16:30)

time	title	presenter
15:30	Efficient Anytime Computation and Execution of Decoupled Robustness Envelopes for Temporal Plans	CASHMORE, Michael
15:50	Olisipo: A Probabilistic Approach to the Adaptable Execution of Deterministic Temporal Plans	

# Tuesday 28 September 2021

## Invited Talk 2 (11:00-12:00)

time	title	presenter
11:00	Extreme-Scale Model-Based Time Series Management with ModelarDB	BACH PEDERSEN, Torben

## Lunch Break (12:00-14:00)

## Model Checking and Timed Games (14:00-15:00)

time	title	presenter
14:00	Model Checking Timed Recursive CTL	
14:20	Model Checking of Stream Processing Pipelines	
14:40	1½-Player Stochastic StopWatch Games	ROYCHOWDHURY, Sparsa

## Coffee Break (15:00-15:30)

## AI and Time (15:30-16:30)

time	title	presenter
15:30	Interval Temporal Random Forests with an Application to COVID-19 Diagnosis	
15:50	A Neuro-Symbolic Approach to Structured Event Recognition	

# Wednesday 29 September 2021

## **Invited Talk 3 (11:00-12:00)**

time	title	presenter
11:00	Kernel machines in time	SUYKENS, Johan

## **Lunch Break (12:00-14:00)**

## **Logics (14:00-15:00)**

time	title	presenter
14:00	Past Matters: Supporting LTL+Past in the BLACK Satisfiability Checker	
14:20	Pspace-completeness of the temporal logic of sub-intervals and suffixes	SALA, Pietro
14:40	A one-pass tree-shaped tableau for defeasible LTL	

## **Coffee Break (15:00-15:30)**

## **Panel (15:30-16:30)**

time	title	presenter
15:30	Temporal Big Data Analytics	CUZZOCREA, Alfredo