Curriculum Vitae

Periklis Mantenoglou

Academic Background

2019 - now	PhD Candidate in the Department of Informatics and Telecommunications of the National & Kapodistrian University of Athens. **Dissertation Title**: "Reasoning over Complex Temporal Specifications and Noisy Data Streams".
2014 - 2019	Integrated Master's Degree in Electrical & Computer Engineering - National Technical University Of Athens - Grade 9,04/10. **Thesis Title**: "Online Probabilistic Interval-based Event Calculus".

Working Experience

2019 - now	Research associate at SKEL, NSCR "Demokritos".
2018	**Internship**: Development of a Chess Strategy Recognition System at the Software and Knowledge Engineering Laboratory (SKEL), NCSR "Demokritos".

Publications

2024	*Andrienko N., Andrienko G., Artikis A., Mantenoglou P. and Rinzivillo S.*, **Human-in-the-Loop: Visual Analytics for Building Models Recognising Behavioural Patterns in Time Series.** In IEEE Computer Graphics and Applications (CG&A).
	Mantenoglou P., **Extending the Range of Temporal Specifications of the Run-Time Event Calculus.** In 31st International Symposium on Temporal Representation and Reasoning (TIME).
2023	*Mantenoglou P., Artikis A. and Paliouras G.*, **Online Event Recognition over Noisy Data Streams.** In International Journal of Approximate Reasoning (IJAR).
	Mantenoglou P., Pitsikalis M. and Artikis A., **Complex Event Recognition with Allen relations.** In 20th International Conference on Principles of Knowledge Representation and Reasoning (KR).
	Mantenoglou P., **An Event Calculus for Run-Time Reasoning (Extended Abstract).** In 30th International Symposium on Temporal Representation and Reasoning (TIME).
2022	*Mantenoglou P., Pitsikalis M. and Artikis A.*, **Stream Reasoning with Cycles.** In 19th International Conference on Principles of Knowledge Representation and Reasoning (KR).
	Mantenoglou P., Pitsikalis M. and Artikis A., **Towards Stream Reasoning with Deadlines.** In 38th International Conference on Logic Programming (ICLP), Technical Communications.

2021	*Mantenoglou P., Pitsikalis M. and Artikis A.*, **Towards Streams of Events with Temporally-Constrained Effects.** In 37th International Conference on Logic Programming (ICLP), Technical Communications.
2020	*Mantenoglou P., Artikis A. and Paliouras G.*, **Online Probabilistic Interval-based Event Calculus.** In 24th European Conference on Artificial Intelligence (ECAI).

Presentations

2024	**Can computers understand what is happening? An introduction to complex event recognition.** In 5th ACM Europe Summer School on Data Science – Course given by A. Artikis & P. Mantenoglou.
2023	**Stream Reasoning with the Run-Time Event Calculus.** In University of Oslo – Invited Talk.
	Probabilistic Interval-based Event Recognition. In Norwegian Computing Center – Invited Talk.
	Complex Event Recognition with Allen Relations. In 20th International Conference on Principles of Knowledge Representation and Reasoning (KR).
2022	**Online Reasoning under Uncertainty with the Event Calculus.** In 9th Workshop on Probabilistic Logic Programming (PLP) – Invited Talk, given by A. Artikis & P. Mantenoglou.
	Stream Reasoning with Cycles. In 19th International Conference on Principles of Knowledge Representation and Reasoning (KR).
	Towards Stream Reasoning with Deadlines. In 38th International Conference on Logic Programming (ICLP).
	Optimisation Methods for Complex Event Recognition. In the Doctoral Consortium of the 19th International Conference on Principles of Knowledge Representation and Reasoning (KR).
2021	**Towards Streams of Events with Temporally-Constrained Effects.** In 37th International Conference on Logic Programming (ICLP).
2020	**Online Probabilistic Interval-based Event Calculus.** In 24th European Conference on Artificial Intelligence (ECAI) & In the Doctoral Consortium of the 17th International Conference on Principles of Knowledge Representation and Reasoning (KR).

Work in Horizon Europe Research Projects

2023 - now	**CREXDATA**: Critical Action Planning over Extreme-Scale Data.
2023	**ENEXA**: Efficient Explainable Learning on Knowledge Graphs.
2019 - 2022	**INFORE**: Interactive Extreme-Scale Analytics and Forecasting.

Schools/Seminars

2024	ESSAI & ACAI 2024: 2nd European Summer School on AI & 21st Advanced Course on AI.
2021	Prometheus: An Innovative Tech Transfer Program in Greece.

Scholarships

2022 - 2024	Hellenic Foundation for Research & Innovation – Scholarship for PhD Candidates.

Technical Skills

- Programming Languages:
    - Procedural/Object-Oriented: C, C++, Java.
    - Functional: Scala, Haskell.
    - Logical: Prolog, ASP.
    - Scripting: Python, R, Bash.
- Operating Systems: Linux & Windows.
- Knowledge Representation & Reasoning Algorithms for AI.
- Event Recognition/Processing & Stream Reasoning System Architectures.

Human Languages

- Greek: Native Language.
- English: C2, Certificate of Proficiency in English, University of Cambridge.
- French: B2, Certificat Pratique de Langue Française, Université Paris-Sorbonne.

Contact

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