Publication List — Maski Waga

Publications

2020   Masaki Waga, Étienne André, Ichiro Hasuo. ``Model-Bounded Monitoring of Hybrid Systems.'', under review.

Elena Gutiérrez, Takamasa Okudono, Masaki Waga, Ichiro Hasuo. ``Genetic Algorithm for the Weight Maximization Problem on Weighted Automata.'', *GECCO* (GECCO), 2020, to appear.

Takamasa Okudono, Masaki Waga, Taro Sekiyama, Ichiro Hasuo. ``Weighted Automata Extraction from Recurrent Neural Networks via Regression on State Spaces.'', *AAAI* (AAAI), 2020, to appear.

Masaki Waga. ``Falsification of cyber-physical systems with robustness-guided black-box checking.'', *HSCC* (HSCC), 2020, pp. 11:1-11:13.

2019   Masaki Waga. ``Online Quantitative Timed Pattern Matching with Semiring-Valued Weighted Automata.'', *FORMATS* (FORMATS), 2019, pp. 3-22.

Masaki Waga, Étienne André, Ichiro Hasuo. ``Symbolic Monitoring Against Specifications Parametric in Time and Data.'', *CAV (1)* (CAV (1)), 2019, pp. 520-539.

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2018   Masaki Waga, Ichiro Hasuo. ``Moore-Machine Filtering for Timed and Untimed Pattern Matching.'', In *IEEE Trans. on CAD of Integrated Circuits and Systems* (IEEE Trans. on CAD of Integrated Circuits and Systems) 37.11 (2018): 2649-2660.

Masaki Waga, Ichiro Hasuo, Kohei Suenaga. ``MONAA: A Tool for Timed Pattern Matching with Automata-Based Acceleration.'', *MT@CPSWeek* (MT@CPSWeek), 2018, pp. 14-15.

Étienne André, Ichiro Hasuo, Masaki Waga. ``Offline Timed Pattern Matching under Uncertainty.'', *ICECCS* (ICECCS), 2018, pp. 10-20.

2017   Masaki Waga, Ichiro Hasuo, Kohei Suenaga. ``Efficient Online Timed Pattern Matching by Automata-Based Skipping.'', *FORMATS* (FORMATS), 2017, pp. 224-243.

2016   Masaki Waga, Takumi Akazaki, Ichiro Hasuo. ``A Boyer-Moore Type Algorithm for Timed Pattern Matching.'', *FORMATS* (FORMATS), 2016, pp. 121-139.