

# Publication List — Maski Waga

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## 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. Citation: 64 (Google Scholar)
- 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.
- Masaki Waga, Étienne André. "Online Parametric Timed Pattern Matching with Automata-Based Skipping.", *NFM* (NFM), 2019, pp. 371-389.
- 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): pp. 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.