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ICFEC 2019 Papers

TECHNIQUES

- **Enabling Fog Computing using Self-Organizing Compute Nodes**
Vasileios Karagiannis, Stefan Schulte, Joao Leitao and Nuno Preguica
- **Machine Learning based Timeliness-guaranteed and Energy-efficient Task Assignment in Edge Computing Systems**
Tanmoy Sen and Haiying Shen
- **Optimal Placement of Stream Processing Operators in the Fog**
Thomas Hiessl, Vasileios Karagiannis, Christoph Hochreiner, Stefan Schulte, Matteo Nardelli
- **Using Virtual Events for Edge-based Data Stream Reduction in Distributed Publish/Subscribe Systems**
Philipp Zehnder, Patrick Wiener and Dominik Riemer
- **Edge-to-Edge Resource Discovery using Metadata Replication** (*Short*)
Ilir Murturi, Cosmin Avasalcui, Christos Tsigkanos and Schahram Dustdar

SYSTEMS

- **ORCH: Distributed Orchestration Framework using Mobile Edge Devices**
Klervie Toczé and Simin Nadjm-Tehrani
- **Combining AntibIoTic with Fog Computing: AntibIoTic 2.0** (*Short*)
Michele De Donno and Nicola Dragoni
- **Towards Context-Aware and Dynamic Management of Stream Processing Pipelines for Fog Computing** (*Short*)
Patrick Wiener, Philipp Zehnder and Dominik Riemer

APPLICATIONS

- **F-FDN: Federation of Fog Computing Systems for Low Latency Video Streaming**
Vaughan Veillon, Chavit Denninnart and Mohsen Amini Salehi
- **Development of a Smart Metering Microservice Based on Fast Fourier Transform (FFT) for Edge/Internet of Things Environments** (*Short*)
Alina Buzachis, Antonino Galletta, Antonio Celesti, Maria Fazio and Massimo Villari
- **Robust Resource Allocation Model Using Edge Computing for Vehicle to Infrastructure (V2I) Networks** (*Short*)
Anna Kovalenko, Razin Hussain, Omid Semiari and Mohsen Amini Salehi