9th International Workshop on Advances in High-Performance Computational Earth Sciences: Applications and Frameworks

12th June 2019, Faro, Algarve, Portugal

In Conjunction with ICCS 2019 " Computational Science in the Interconnected World"

University of Algarve – Campus da Penha, Faro, Algarve, Portugal

Room: 0.3

Session 1

Chair: Takashi Shimokawabe

10:35-10:55	**A Fast 3D Finite-element Solver for Large-scale Seismic Soil Liquefaction Analysis** (#414)
	Ryota Kusakabe, Kohei Fujita, Tsuyoshi Ichimura, Muneo Hori and Lalith Wijerathne
10:55-11:15	**Performance evaluation of tsunami inundation simulation on SX-Aurora TSUBASA** (#173)
	Akihiro Musa, Takashi Abe, Takumi Kishitani, Takuya Inoue, Masayuki Sato, Kazuhiko Komatsu, Yoichi Murashima, Shunichi Koshimura and Hiroaki Kobayashi
11:15-11:35	**Parallel Computing for Module-Based Computational Experiment** (#315)
	Zhuo Yao and Dali Wang
11:35-11:55	**Heuristic Optimization with CPU-GPU Heterogeneous Wave Computing for Enhancing Three-dimensional Inner Structure** (#390)
	Takuma Yamaguchi, Tsuyoshi Ichimura, Kohei Fujita, Muneo Hori and Lalith Wijerathne
11:55-12:15	**A Generic Interface for Godunov-type Finite Volume Methods on Adaptive Triangular Meshes** (#383)
	Chaulio R. Ferreira and Michael Bader