

CCS International Symposium 2021

**13th symposium on Discovery, Fusion, Creation of New Knowledge
by Multidisciplinary Computational Sciences**

October 8, 2021

<https://www.ccs.tsukuba.ac.jp/sympo20211008en/>

Parallel Session 7: Global environment, HPC systems

Time: 16:15 – 17:32(JST)

Place: <https://zoom.us/j/97483201038>

Convenor: KUSAKA Hiroyuki (CCS, University of Tsukuba)

Time	Speaker (Affiliation)	Title
16:15-16:22	SATO Takuto (Univ. of Tsukuba)	Development and Application of Large Eddy Simulation Model Written in the Parallel Computational Code for Urban Areas
16:22 – 16:29	NISHI Akifumi (National Defense Academy)	Numerical simulation of wave clouds caused by local winds
16:29 – 16:36	TANAKA Hiroshi (Univ. of Tsukuba)	Analysis of Vorticity Budget for a Developing Extraordinary Arctic Cyclone in August 2016
16:36 – 16:43	DOAN Quang Van	Future projection for urban extreme precipitation using

		the Weather Research and Forecast model
16:43 – 16:50	NAKAO Masahiro (RIKEN)	Extension for stencil calculation of parallel language XcalableMP
16:50 – 16:57	HANAWA Toshihiro (The University of Tokyo)	Transprecision Calculation Platform Offloaded on FPGA
16:57 – 17:04	BOKU Taisuke (University of Tsukuba)	GPU+FPGA multi-hybrid accelerated computing
17:04 – 17:11	SANO Kentaro (RIKEN)	Communication Infrastructure for High-Performance FPGA Cluster
17:11 – 17:18	KUDOH Tomohiro (The University of Tokyo)	Real-time high throughput processing: an attempt to implement an NIDS on FPGA and GPU
17:18 – 17:25	KAWASHIMA Hideyuki (Keio University)	An Evaluation of A Parallel Sorting Algorithm
17:25 – 17:32	TAKAHASHI Daisuke (University of Tsukuba)	Automatic Tuning of Computation-Communication Overlap for Parallel 3-D FFT with 2-D Decomposition