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	Development and
	(Univ. of Tsukuba)	Application of Large Eddy
		Simulation Model Written in
		the Parallel Computational
		Code for Urban Areas
16:22 - 16:29	NISHI Akifumi	Numerical simulation of
	(National Defense	wave clouds caused by local
	Academy)	winds
16:29 - 16:36	TANAKA Hiroshi	Analysis of Vorticity Budget
	(Univ. of Tsukuba)	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	Transprecision Calculation
	University of Tokyo)	Platform Offloaded on
		FPGA
16:57 - 17:04	BOKU Taisuke (University	GPU+FPGA multi-hybrid
	of Tsukuba)	accelerated computing
17:04 - 17:11	SANO Kentaro (RIKEN)	Communication
		Infrastructure for High-
		Performance FPGA Cluster
17:11 – 17:18	KUDOH Tomohiro (The	Real-time high throughput
	University of Tokyo)	processing: an attempt to
		implement an NIDS on
		FPGA and GPU
17:18 - 17:25	KAWASHIMA Hideyuki	An Evaluation of A Parallel
	(Keio University)	Sorting Algorithm
17:25 - 17:32	TAKAHASHI Daisuke	Automatic Tuning of
	(University of Tsukuba)	Computation-
		Communication Overlap for
		Parallel 3-D FFT with 2-D
		Decomposition