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 6: Numerical analysis, Computational informatics

Time: 16:15 – 17:11(JST)

Place: https://zoom.us/j/96592341770

Convenor: KAMEDA Yoshinari (CCS, University of Tsukuba)

| Time | Speaker (Affiliation) | Title |
|---|---|---|
| 16:15-16:22 | OSAWA Kiyoshi (Faculty of Health and Sport Sciences, Univ. of Tsukuba) | Evaluation of baseball players with big data |
| 16:22 – 16:29 | HAGA Takanori (Japan Aerospace Exploration Agency) | Speed-up of Compressible Combustion Solver with High-Order Unstructured Method Using GPGPU |
| 16:29 – 16:36 | SAKURAI Tetsuya (Univ. of Tsukuba) | Development of next generation parallel algorithms and software for solving large-scale eigenvalue problems |
| 16:36 – 16:43 | NAKASATO Naohito (Univ. of Aizu) | Performance Evaluation of Various Floating-point |

| | | Units |
|---|---|---|
| 16:43 – 16:50 | IMAMURA Toshiyuki (RIKEN) | Multi-precision computing and application with GPUs and FPGAs |
| 16:50 – 16:57 | HORIE Kazumasa (Univ. of Tsukuba) | Characteristic wave detection in whole-night PSG signals using deep neural networks. |
| 16:57 – 17:04 | TADANO Hiroto (Univ. of Tsukuba) | Performance evaluation of the approach for solving saddle point problems using block structure |
| 17:04 – 17:11 | AMAGASA Toshiyuki (Univ. of Tsukuba) | Accelerating big data analysis using GPU and FPGA2 |