

12th Symposium on Discovery, Fusion, Creation of New Knowledge by Multidisciplinary Computational Sciences

Online

October 6, 2020

Hosted by
Center for Computational Sciences (CCS),
University of Tsukuba

Registration

<https://www.ccs.tsukuba.ac.jp/sympo20201006en/>

Registration deadline is **September 30, 2020**
The registration is free.



Program

9:20 – 18:00

9:20-9:30	Opening address Hideo Kigoshi University of Tsukuba, Vice President	13:40-14:15	Yuta Hirokawa University of Tsukuba “Performance Evaluation of Electron Dynamics Simulation in Supercomputer Fugaku”
	Taisuke Boku University of Tsukuba, Director of CCS	14:15-14:50	Frithjof Karsch Bielefeld University “Phase Diagram of Strongly Interacting Matter”
9:30-10:05	Bruce H. Thomas University of South Australia “GeoGate: Correlating Geo-Temporal Datasets Using an Augmented Reality Space-Time Cube and Tangible Interactions”	15:00-15:35	Kohji Yoshikawa University of Tsukuba “Solving Kinematics of Cosmological Neutrinos in the 6D Phase Space on FUGAKU”
10:05-10:40	Matthew W. Brown Mississippi State University “Deep Eukaryote Relationships Inferred Through Phylogenomics Aided by PhyloFisher”	15:35-16:10	Michael Sprenger ETH Zurich “Lagrangian Methods in Mountain Meteorology: Challenges and Opportunities”
10:50-11:25	Kyoung-Sook Kim AIST Artificial Intelligence Research Center “AI-powered Geospatial Data Platform”	16:20-18:00	Parallel Session Report of Multidisciplinary Cooperative Research Program in 2019 Session1 (Particle physics) Session2 (Astrophysics) Session3 (Nuclear physics) Session4 (Material science) Session5 (Life science, Chemistry) Session6 (Biology, Global environment, Numerical analysis, Computational informatics) Session7 (HPC systems)
11:25-12:00	Nicolas Schunck Lawrence Livermore National Laboratory “Computing Atomic Nuclei”		
12:00-12:35	Mitsuhisa Sato RIKEN Center for Computational Science “The Supercomputer “Fugaku” and A64FX Manycore Processor”		

* Detail information is available on CCS Homepage: <https://www.ccs.tsukuba.ac.jp/sympo20201006en/>

Organizing Committee

Nobuo Hinohara	Takashi Nakatsukasa	Atsushi Yamada
Kazumasa Horie	Hiroshi Ohno	Akio Yamagami
Yuji Inagaki	Mitsuo Shoji	Kohji Yoshikawa
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