

11th Symposium on

Discovery, Fusion, Creation of New Knowledge by Multidisciplinary Computational Sciences

Date : October 15 , 2019

Venue: Tsukuba International Congress Center
Convention Hall 300

Registration

https://www2.ccs.tsukuba.ac.jp/cgi-bin/11th_sympto/form.cgi

Registration deadline is October 4, 2019



Program

10:30 – 17:50

10:30-10:40 **Welcome address**

10:40-11:10 **Shoji Hashimoto** (KEK)

"Computational challenges in particle, nuclear and astro-physics"

11:10-11:40 **Mitsuo Shoji** (University of Tsukuba)

"Reaction mechanism of water splitting in photosystem II revealed by QM/MM calculations"

11:40-12:10 **Noritaka Shimizu** (The University of Tokyo)

"Configuration-interaction shell-model calculations for nuclear structure physics"

13:20-14:00 **Jeremy Sauer** (NCAR)

"GPU-accelerated microscale atmospheric boundary layer modeling with FastEddy"

14:00-14:30 **Goro Ishiki** (University of Tsukuba)

"Black holes and holography"

14:30-15:00 **Kentaro Sano** (RIKEN, R-CCS)

"High-Performance Custom Computing with FPGA Cluster as Off-loading Engine for Supercomputers"

15:00-16:20 **Poster session**

Report of Multidisciplinary Cooperative Research Program in 2018 & 2019

16:20-16:50 **Ken Ohsuga** (University of Tsukuba)

"Radiation magnetohydrodynamics simulations of accretion flows onto black holes"

16:50-17:20 **Takeo Hoshi** (Tottori University)

"Fusion of massively parallel data-driven science and novel measurement technology for surface structure analysis"

17:20-17:50 **Tohru Terada** (The University of Tokyo)

"Molecular simulations of ion channels to investigate voltage-dependent conformational change and drug-induced blockade"

18:00-20:00

Reception Restaurant ESPOIR (1F)

* Detail information is available on CCS Homepage:
<https://www.ccs.tsukuba.ac.jp/sympo20191015en/>