CCS International Symposium 2020

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

October 6, 2020

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

Parallel Session 4: Material Science

Time: 16:20 - 17:37 (JST)

Place: https://zoom.us/j/93856126019

Convener: Atsushi Yamada (CCS, University of Tsukuba)

Time	Speaker	Title
(5 + 2 min.)	(Affiliation)	
16:20 - 16:27	Mitsuharu Uemoto	First-principles electron-dynamics calculation for the
	(Kobe Univ.)	interaction between the metasurface and extreme
		laser pulse
16:27 – 16:34	Tomoya Ono	Development of large scale multi-scale simulation
	(Kobe Univ.)	platform and its applications
16:34 – 16:41	Yu-ichiro Matsushita	Novel formation of SiC/SiO2 interfaces without
	(Tokyo Inst. Tech.)	thermal oxidation processes
16:41 – 16:48	XiaoMinTong	Unification of the excitation and ionization of atoms
	(Univ. of Tsukuba)	in a strong elliptical laser field
16:48 - 16:55	Kenji Iida	Photoexcited Electron Dynamics in Nanostructures
	(Hokkaido Univ.)	
16:55 - 17:02	Takuya Sekikawa	Superconductivity in WO3 nanowire based on first
	(Niigata Univ.)	principles calculations and Tomonaga-Luttinger
		theory
17:02 - 17:09	Hiroyasu Koizumi	Electronic state calculation for supreconducting
	(Univ. of Tsukuba)	cuprates using a two-layer model
17:09 - 17:16	Toshiaki Hayashi	Effective medium approximation for variable range
	(NTT)	hopping
17:16 - 17:23	Nobuhiko Kobayashi	Theory of organic devices by large-scale first-
	(Univ. of Tsukuba)	principles charge transport calculations
17:23 - 17:30	Kota Honda	Molecular dynamics simulation for the elucidation of
	(Univ. of Tsukuba)	the molecular diffusion behavior in the CO2 hydrate
17:30 - 17:37	Atsushi Yamada	Maxwell + MD multiscale simulation for vibrational
	(Univ. of Tsukuba)	spectroscopy