

Department of CosmoSciences, Graduate School of Science

Doctoral Course

Laboratories	Supervisors		Keywords	Remarks
Observational Astronomy	Associate Professor	SORAI Kazuo	Observational astronomy, extragalactic astronomy, interstellar matter, development of observational instruments and system for the Antarctic THz telescope	
Theoretical Particle Physics and Cosmology	Professor	SUZUKI Hisao	Particle physics, beyond the standard model, dark matter, dark energy, grand unified theory, superstrings, supersymmetry, early universe	Institute for the Advancement of Higher Education
	Professor	KOBAYASHI Tatsuo		
	Associate Professor	NAKAYAMA Ryuichi		
	Specially Appointed Associate Professor	SETO Osamu		
	Lecturer	SUEHIRO Kazuhiko		
Theoretical Nuclear Physics	Professor	KIMURA Masaaki	Quantum many-body problems, nuclear force, unstable nuclei, nucleosynthesis, hadronic matter	
	Lecturer	HORIUCHI Wataru		
	Assistant Professor	Bo Zhou		
Theoretical Astrophysics	Visiting Associate Professor	Elizabeth Jane Tasker	Theoretical astronomy, numerical simulations, galaxy formation, galaxy clusters, supermassive black holes, interstellar matter, star formation, interstellar dust	Inter-field Cooperation with the Japan Aerospace Exploration Agency (JAXA) in the field of spacecraft observation.
	Lecturer	OKAMOTO Takashi		
	Assistant Professor	Alexander Pettitt		Institute for the Advancement of Higher Education
Planetary and Space Group	Professor	KURAMOTO Kiyoshi	Origin and evolution of planets and satellites, material evolution during planetary system formation, structure and dynamics of Earth and planetary atmospheres, comparative planetology, space exploration and ground-based observation, experimental studies, theory and hierarchical numerical simulation models, applications of information technology	
	Professor	TAKAHASHI Yukihiko		
	Professor	ISHIWATARI Masaki		
	Professor	SATO Mitsuteru		
	Associate Professor	KAMATA Shunichi		
	Specially Appointed Associate Professor	KUBOTA Hisayuki		
	Specially Appointed Associate Professor	KURIHARA Junichi		
	Specially Appointed Assistant Professor	ISHIDA Tetsuro		
	Specially Appointed Assistant Professor	TAKAGI Seiko		

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Astrophysical Chemistry / Ice and Planetary Science	Professor	KOUCHI Akira	Interstellar molecules, ice dust, amorphous solid water, surface reactions	Retire in March 2022
	Professor	WATANABE Naoki		
	Associate Professor	KIMURA Yuki		
	Assistant Professor	HIDAKA Hiroshi		
	Assistant Professor	OBA Yasuhiro		
	Specially Appointed Assistant Professor	TSUGE Masashi		
Phase Transition Dynamics	Professor	SAZAKI Gen	Phase transition dynamics, crystal growth, ice, snow, interferometry, advanced optical microscopy, atomic force microscopy	
	Assistant Professor	NAGASHIMA Ken		
	Assistant Professor	MURATA Ken-ichiro		
Information Media Science	Professor	FUSE Izumi	Learning science, learning platforms, open education	
	Assistant Professor	YAMAMOTO Yuichi		
Nuclear Reaction Data Science	Associate Professor	HIRABAYASHI Yoshiharu	Nuclear data, nuclear reactions, evaluation	Information Initiative Center
	Visiting Professor	FUKAHORI Tokio		Inter-field Cooperation with the Japan Atomic Energy Agency (JAEA) in the field of nuclear data.
	Visiting Professor	IWAMOTO Nobuyuki		
Spacecraft Observation Group	Visiting Professor	SATO Takehiko	Planetary exploration, infrared astronomy from space, radio astronomy from space	Inter-field Cooperation with Japan Aerospace Exploration Agency (JAXA) in the field of spacecraft observation.
	Visiting Associate Professor	MURATA Yasuhiro		
	Visiting Associate Professor	YAMAMURA Issei		

※There is a possibility that the members of supervisors change. Please get the latest information from the website of the Graduate School of Science.