

--- SCHEDULE

Day 1 Tuesday, August 23	12pm - 2pm (JST)	● Keynote Lecture, TTI Introduction
	3pm - 5pm (JST)	● Engineering Lectures
Day 2 Wednesday, August 24	12pm - 5pm (JST)	Short Presentation & Discussion Cancelled
	3pm - 5pm (JST)	● Engineering Lectures

--- LIST OF ENGINEERING LECTURES & PARTICIPANTS

Laboratory	Lecturer(s)	Lecture Topic	Lecture Summary	Interactive Aspect in the Lecture	Required Skills and Background Knowledge for Engineering Lecture Participants	Tools to Be Prepared by Engineering Lecture Participants	Pre-seminar Preparation Required of Engineering Lecture Participants	Lecture Schedule for Participants from Partner Universities		Number of Seats Available <small>*Not limited* may also be limited due to network capacity</small>	For Partner University International Relations Personnel Call for Additional Applications
								Tuesday, August 23 3:00-5:00 pm (JST)	Wednesday, August 24 3:00-5:00 pm (JST)		
Micro-Nano Mechatronics Laboratory	Professor SASAKI Minoru	Microfabrication and MEMS sensors	The microfabrication technique and our MEMS devices are explained. For assisting the understanding the effect of the small sensor, the acceleration sensor signal in the smart phone is observed.	YES	Basic knowledge of mechanical and electrical engineering	Optional tool: Smart phone (Android OS is preferred) with the free application installed	TBA	×	Seats Available	Not limited	OPEN
Laser Science Laboratory	Professor FUJI Takao Lecturer KUDO Tetsuhiro	Frontiers in infrared lasers and applications	introduction to latest lasers and their applications	NO	Basic knowledge of Optics	Nothing special	Nothing	×	Seats Available	Not limited	OPEN
Electromagnetic Energy System Laboratory	Professor FUJISAKI Keisuke	Magnetism on Motor Drive System	An overview is given on magnetic materials that are applied for electrical vehicles, motors, and power electronics.	NO	N/A	N/A	N/A	Seats Available	×	Not limited	OPEN
Quantum Interface Laboratory	Professor KAMIYA Itaru	Introduction to Quantum Structures	Overview on quantum structures, together with their preparation and physical properties, will be given.	YES	Fundamental knowledge on quantum mechanics.	N/A However, it might be helpful if you can run some kind of a program for performing simple calculations on quantum mechanics.	TBA	×	Seats Available	Up to twenty	OPEN
Optical Functional Materials Laboratory	Professor OHISHI Yasutake Associate Professor SUZUKI Takenob Assistant Researcher Tong Huang Tuan	Lightwave generation and control by specialty optical fibers	State of the art technology on lightwave generation and control, such as supercontinuum generation, amplification and propagation, using specialty optical fibers made of tellurite and chalcogenide glasses are presented.	NO	Basic knowledge of optics	N/A	N/A	Seats Available	×	Not limited	OPEN

*Lecture time is subject to slight change. Lecture duration is up to 2 hours.