

Program Day1

February 27th

Venue Culture Hall (2F)

10:00 - 10:20 Opening & Welcome

Prof. Kyle Webber (IRTG Director)

Prof. Ken-ichi Kakimoto (JGGE Coordinator)

10:20 – 10:30 Photo Session

10:30 – 12:15 Project Presentations

10:30-11:05 Project A 	Prof. Fischer/ Prof. Anzai Electric Circuits for Piezoelectric Energy Harvesting and Sensor Array Systems
11:05-11:40 Project B 	Prof. Steinmann/ Prof. Kosaka Excitation-Conforming, Shape-Adaptive Mechano-Electrical Energy Conversion
11:40-12:15 Project C 	Prof. Mergheim/ Prof. Kakimoto Macroscale Continuum Modeling and FE Simulation of Electromechanical Coupling in Perovskite-Based Materials

12:15 – 13:30 Lunch Break


13:30 – 15:15 Project Presentations

13:30-14:05 Project D 	Prof. Fey / Prof. Kakimoto Additive Manufacturing of Cellular Lead-Free Ceramics
14:05-14:40 Project E 	Prof. Brabec / Prof. Hayakawa / Prof. Kato Lead-Free Perovskite Semiconductors with Tunable Bandgap for Energy Conversion
14:40-15:15 Project F 	Prof. Webber / Prof. Kakimoto Room Temperature Aerosol Deposition of Lead-Free Ferroelectric Films for Energy Conversion System

15:15 – 15:35 Coffee Break

15:35 – 17:20 Project Presentations

15:35-16:10 Project G 	Dr. Cicconi / Prof. Hayakawa / Prof. Hayashi Formulation and Crystallization of Perovskite Bearing Glass-Ceramics for Light Management
16:10-16:45 Project H 	Prof. Webber / Prof. Hayashi Stress Modulated Electromechanical Coupling of Lead-Free Ferroelectrics

16:45-17:20 Project I 	Prof. Wellmann / Prof. Hayashi / Prof. Miyagawa Growth of Single Crystal Transition Metal Perovskite Chalcogenides
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17:20 – 19:00 Break and Discussion




19:00 – Dinner at Houou 鳳凰 (3F)

Program Day2

February 28th

Venue Culture Hall (2F)

09:00 – 10:45 Project Presentations

9:00-09:35 Project J 	Prof. Heiss / Prof. Kawasaki Solution Processed Ferroelectrics in Photovoltaic Devices
9:35-10:10 Project K 	Prof. Wendler/ Prof. Ogata Multi-Scale Modeling of Electromechanical Coupling in Perovskite-Based Ferroelectric Materials and Composites
10:10-10:45 Project L 	Prof. Meyer / Prof. Haneda Modeling of Defect and Surface Chemistry of Perovskites

10:45 – 11:05 Coffee Break

11:05 – 12:25 Ring Lectures

11:05-11:25 Prof. Kosaka	Technical Trends in e-Axles for Electrified Vehicles
11:25-11:45 Prof. Anzai	Energy-Aware Wireless Communications for Implant Medical Devices
11:45-12:05 Prof. Martin	History of lead-free piezoelectric ceramics
12:05-12:25 Prof. Hayakawa	Glasses and Glass-Ceramics for optical applications

12:25 – 13:30 Lunch Break

13:30 – 14:50 Ring Lectures

13:30-13:50 Prof. Haneda	Catalysis for Environmental Protection
13:50-14:10 Prof. Kato	Semiconductor materials and devices: importance of defect control
14:10-14:30 Prof. Hayashi	Material characterizations using X-rays
14:30-14:50 Prof. Ogata	History and trends in nano-simulations

14:50 – 15:20 Coffee Break

*Drinks are available at the next venue, 5F.

PI Meeting for PIs / Workshop for students

15:20 – 17:50 Venue: Norikura (5F) 乗鞍	15:20 – 17:00 Venue: Hisyo (5F) 飛翔
PI Meeting	Prof. Ryo Kobayashi “How to organize research information”

17:00/17:50 – 19:00 Break and Discussion

19:00 – Dinner at Hagoromo 羽衣 (3F)

Program Day3

March 1st

***Please check out before 9:00am**

Venue Culture Hall (2F)

9:00 – 10:00 Keynote Lecture

Dr. Nobuaki Nonoyama (Toyota Motor Corp.)

"Research and development of fuel cells for the new MIRAI"

10:00 – 10:20 Concluding Remarks

10:20 – 10:45 Break

11:00 – 15:50 Cultural Exchange

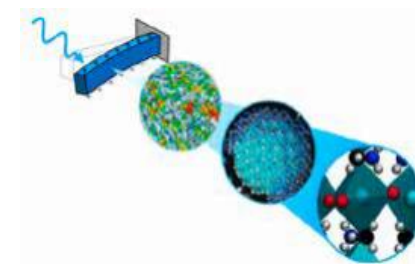
Move to Inuyama by bus



JGGE2019/R1 IGK 2495

Energy Conversion Systems

KICK-OFF MEETING



Date: February 27 – March 1, 2023

Location: Hotel Grand Vert GIZAN

6-14 Yanagase-dori Gifu-shi, Gifu



FAU

Friedrich-Alexander-Universität
Erlangen-Nürnberg