

among scientists of all career stage.

In GRC 2023, I also got opportunity to present a poster on my experimental work about generation of 480 nm stable pulse laser for high-fidelity ultrafast excitation of atoms to Rydberg states. I considered GRC as a great platform for discussion and sharing about my work. In GRC, I found interesting lectures about quantum metrology using atoms and superconducting qubit. I really enjoyed lectures and this also helps me to learn new techniques and physics that can be done with neutral atom platform for quantum computation and

simulation.

This venue is an island so it is highly recommended to go nearby beach for fresh air and really amazing sunset views. I went to GRC 2023 with other members of Ohmori group (family), so had lots of fun in beach. Unfortunately, I cannot enjoy swimming because I am still taking beginner swimming lesson at Aeon Okazaki gym. I enjoyed lobster which is popular in that area, but, to be honest I really miss Japanese food during my 1 week stay in USA.

I want to thanks IMS, Sokendai and Moonshot funding agency for providing

me this opportunity to visit USA and explore the research work and also explore the island. I always follow one sanskrit quote “Karmanye vadhikaraste Ma Phaleshu Kadachana” – Perform your duty without attachment to outcome. I am thankful to Prof. Ohmori, Dr. Sylvain de Léséleuc, Dr. Takafumi Tomita and Dr. Yuki Torii Chew (Chew sama) for continuous and strong support.

“Acharya devo bhava” – Teacher is like a god

受賞者の声

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Award for Oral presentation at ICMSET conference 2023

I am Jaseela, a Ph.D student in Kera group at IMS. I am interested in optoelectronics. My journey in this field began during my master's studies, where I focused on organic solar cells under the guidance of Prof. Masahiro Hiramoto at IMS. Currently, I am exploring the fundamentals of solar cells by analyzing the photoelectron spectroscopy of organic semiconductors used in optoelectronics, under the guidance of Prof. Satoshi Kera. I specifically focused on the band dispersion features of PTCDI-C8, a well-known n-type semiconductor.

I am very grateful for the opportunity to present the results

of my study at the International Conference on Material Science, Engineering and Technology (ICMSET) held in Singapore. The title of my oral presentation was “A Charge Transport Mechanism in Organic Semiconductor: a PTCDI-C8 Thin Film”. This conference provided a valuable platform to showcase my research in front of esteemed scholars from around the world. The recognition of my work with an award further strengthened my confidence. This award not only serves as a personal achievement but also reflects the significance of the research in the field. This recognition motivates me to continue



contributing to the advancement of optoelectronics.

I would like to express my sincere gratitude to Prof. Satoshi Kera and Assistant Prof. Keisuke Fukutani for their continuous support and fruitful discussions. I am also grateful to IMS for supporting students in attending conferences, enabling exposure and facilitating significant progress in their careers.