

RAKIBUL ISLAM

MRT – Department

Email: rakibul.islam@list.lu

PhD student

Luxembourg Institute of Science and Technology (LIST)

Esch-sur-Alzette, Luxembourg

Research Interest:

Fs Pulse Laser applications, Laser & Liquid Flow Interaction, Optics, Thin Film Fabrication, Nanomaterials

Academic Background:

University of Luxembourg

Belval, Luxembourg

PhD in Natural and science

May 2024 – Continued

Thesis: Development of Laser Based, Liquid Flow Diagnostics

Chonnam National University

Gwangju, South Korea

Master of Science in Mechanical Engineering; GPA: 3.68 / 4.5

Mar. 2022 – Feb 2024

Thesis: Conductive Layer Generation by Laser Induced Chemical Vapor Deposition with Acetylene Gas

Jeonbuk National University

Jeonju, South Korea

Bachelor of Engineering and science; GPA: 3.57 / 4.5

Mar. 2018 – Feb 2022

Language Proficiency:

- Bangali (Native)
- English, Hindi, Korean, Urdu

Experienced Skills

Laboratory skill:

Hands on Experience of Femtosecond laser, Nanosecond laser processing, Thin Layer Fabrication, Optics Alignment, Micromachining.

Equipment expert:

Laser system, Scanning Electron Microscopy, Optical Microscopy, Raman Spectroscopy, 4-point probes system.

Application Program:

Auto CAD, MS office, SAM light, Origin. (Basic language programming in Python, MATLAB)

Scholarship and Achievements

- ❖ Research Assistant at Chonnam National University, South Korea (2022 – 2024)
- ❖ BK21-Four Innovative Research scholarship at Chonnam National University (2022-2023)
- ❖ Top Achiever Grant at Jeonbuk National University, South Korea (2019-2020 & 2021-2022)

Conference & Symposium

Conference

15th International Symposium on Measurement Technology and Intelligent Instruments, Seoul, South Korea (2023)

Title : Conductive Carbon Nanowire Produced by Using Femtosecond Laser Irradiation with Acetylene Gas

Author : **Rakibul Islam**, Sangseon Lee, Seungsik Shin, Jaeseung Lim , Seunghwoi Han

Symposium

2023 Chonnam National University's Next Generation Sensor R&D Center International Symposium, (online) 15th Feb 2023

Engineering Training

Korea Institute of Machinery and Materials (KIMM)

Ultra short pulse laser Experiment (8th Aug – 12th Aug 2022), Daejeon, South Korea

Korea Institute of Machinery and Materials (KIMM)

PVDF nanofibers Fabrications (28th April – 29th April 2022), Daejeon, South Korea

Awards

Best Paper Award at 15th International Symposium on Measurement Technology and Intelligent Instruments. Seoul, South Korea (2023)

Title : Conductive Carbon Nanowire Produced by Using Femtosecond Laser Irradiation with Acetylene Gas

Reference

M. Shaheer Akhtar (Ph.D.) Professor

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Jeonbuk National University, South Korea

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Han Seunghwoi (Ph.D.) Associate Professor

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