NILADRI TALUKDER
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Education
- <u>09/2020 to Present</u> – New Jersey Institute of Technology, NJ, USA, Ph.D. in Mechanical Engineering. Completion expected by 08/2025.
- <u>09/2015 to 08/2017</u> – Andong National University (ANU), South Korea, M.Sc. in Mechanical Engineering.
- <u>01/2009 to 11/2013</u> – Khulna University of Engineering & Technology, Bangladesh, B.Sc. in Mechanical Engineering.

Experience
- <u>09/2020 to Present</u> – New Jersey Institute of Technology, NJ, USA, Teaching Assistant. The responsibilities: Taking undergraduate level laboratory demonstration classes, grading the laboratory reports submitted be the undergraduate students, preparing class materials, and assisting the corresponding class Professors in taking exams and other related tasks.
- <u>11/2019 to 08/2020</u> – Source Associate Limited, Dhaka, Bangladesh, Executive (Engineering). The responsibilities: Follow-up the design (erection & installation of industrial plants) according to the NFPA, material planning and control, and preparing project plan and BOQ.
- <u>11/2017 to 10/2019</u> – Preparation for higher study.
- <u>09/2015 to 10/2017</u> – Andong National University, South Korea, Graduate Research Assistant. The responsibilities: Planning the experiments, installing experimental setup, performing experiments, data processing and analyzing, preparing project reports, publishing research findings.
- <u>12/2013 to 08/2015</u> – Preparation for higher study.

Scientific and/or Technical Expertise
- High pressure and temperature fuel combustion experiments.
- Optical measurement.

Research Interests
- Non-Platinum Group Metal Catalysts.
- Catalyst Durability and Stability.
- Fuel cell and Batteries.
- Electrochemistry.
- Alternative energy.

Publications
- N. Talukder, K. Y. Lee, Laminar flame speeds and Markstein lengths of methyl decanoate – air premixed flames at elevated pressures and temperatures, Fuel (2018)
- N. Talukder, K. Y. Lee. Laminar flame speeds for n-butanol/air mixtures at elevated pressures and temperatures: An experimental and numerical study. J. Mech. Sci. Tech (2018).