

SUBHRANSU SEKHAR MALLICK

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WORK EXPERIENCE

1. Assistant Professor (TEQIP), (January 2018-continuing), Department of Mechanical Engineering, Assam Engineering College, Guwahati
2. Assistant Professor, (July 2017-December 2017), Department of Mechanical Engineering, KL University, Guntur
3. Assistant Professor, (July 2014 – June 2017) , Department of Mechanical Engineering, National Institute of Science and Technology, Berhampur

EDUCATIONAL DETAILS

- M.Tech in Fluid and Thermal Engineering from I.I.T Guwahati
- B.Tech in Mechanical Engineering from Biju Patnaik University, Rourkela

TEACHING

- Basic Thermodynamics (UG)
- Fluid mechanics (UG)
- Heat transfer (UG)
- Fluid mechanics Lab (Lab)
- Thermal science lab (Lab)
- Heat transfer Lab (Lab)

RESEARCH INTEREST

- Electric vehicle thermal management
- Heat transfer in fluidized bed
- Radiation heat transfer
- Fluid Flow modelling and simulation

COMPLETED PROJECTS:

- TEQIP Collaborative Research Scheme Project: *Investigation on thermal management system of heatpipe/pcm based lithium ion battery packs* (Funding agency: NPIU, MHRD)
- M.Tech Thesis: *A model for prediction of total and radiative heat transfer in circulating fluidized bed*
- B.Tech Project: *Study of vortex shedding phenomenon in laminar flow past bluff bodies*

PUBLICATIONS

- S.S Mallick, S. Neog, D Mahanta and M Rafi “A review on Passive cooling techniques for Li-ion battery thermal management system of electric vehicle”, IOP Conf. series: Material science and Engineering, doi:10.1088/1757-899X/1145/1/012046
- S.S Mallick, P Mahanta, A Mahapatro, “Studies on Total and Radiative heat transfer in Circulating Fluidized Beds”, Circulating Fluidized Bed Technology,11, Beijing China.
- A Mahapatro, P Mahanta, S.S Mallick, “Numerical Studies on Simulation of Gas-Solid flow in a pressurized circulating fluidized bed riser”, Circulating Fluidized Bed Technology,11, Beijing China.

PROFESSIONAL SOCIETY MEMBERSHIPS

- Professional Member of Society of Automotive Engineers India (SAEINDIA) since August 2018.
- Professional Member of Indian Society of Heating, Refrigerating and Air Conditioning (ISHRAE) since October-2017.

PROFESSIONAL DEVELOPMENT ACTIVITIES

- Completed training course for outcome based education “Digital transformation on Teaching Learning Process” organized by IIT Bombay, 2019-20 and “Advanced digital pedagogy” organized by IIT Kharagpur, 2019-20 .
- Participated in five days’ hands-on training on MEMS & NEMS Fundamentals, Design and Fabrication organized by IIT Hyderabad during the year 2018-19.
- Faculty in charge of the students’ team participated in SAEINDIA Efficycle 2019, 2020,2021& Autonom 2021.
- Participated in FDPs on Recent advances in welding, 3D Printing, Quality Engineering, Project management, organized at Assam Engineering College during the year 2018-19 & 2019-20.
- Successfully completed of SWAYAM NPTEL courses on Accreditation and outcome based learning and Technical English for engineers.
- Organized MATLAB and IC Engine and Vehicles Mechatronics workshops for students at Assam Engineering College.
- Received MHRD scholarship for M.Tech in Fluid & Thermal Engineering (GATE percentile: 99.01) .

PERSONAL DETAILS

Mothers Name- Nalini Prava Mallick

Gender- Male

Category- General

Marital status- Married

Languages Known- English, Hindi, Odia

Permanent Address- At/Po Panikoili, Jajpur, Odisha, 755043

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