
Gurjeet Singh

Ph.D Research Scholar

Indian Institute of Technology, Indore

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Publications

1. R. Kumar, **G. Singh**, D. Mikielewicz. A New Approach for the Mitigation of Flow Maldistribution in Parallel Microchannel Heat Sink. *Journal of Heat Transfer*, 140 (7) (2017) p. 072401. (IF: 1.602-ASME).
2. R. Kumar, **G. Singh**, D. Mikielewicz. Numerical study on mitigation of flow maldistribution in parallel microchannel heat sink: channels variable width vs. variable height approach. *Journal of Electronic Packaging*, paper no. EP-18-1111 (Manuscript accepted on 18-02-2019) (IF: 2.21-ASME).
3. R. Kumar and **G. Singh**. Comparative Assessment of the Performance of Various Liquid Desiccant Solutions under Different Operating Conditions. 10th Conference on Sustainable Development of Energy, Water and Environment Systems, 27th September to 2nd October, 2015 Dubrovnik, Croatia.

Experience

- **Junior Research Fellow** from July, 2014 to July, 2016.
- **Senior Research fellow** from July, 2016 to present.

Achievements

- MHRD Scholarship (Stipend) during PhD (July 2014-present).
- Qualified **Graduate Aptitude Test in Engineering (GATE)-2013, 2014 and 2016**.

Education

- **P.HD.**, Mechanical Engineering, Indian Institute of Technology, Indore, July, 2014 to present.
- **Bachelor of Technology (B.Tech)**, Mechanical Engineering, SVIET, Banur, Punjab Technical University, Jalandhar, First Class with 71%, 2013.

Interesting subjects

Heat and mass transfer	Basic and applied thermodynamics
Fluid mechanics and machinery	Refrigeration and air conditioning
Convective heat transfer	Computational fluid dynamics
Operational research	Manufacturing process (conventional and non-conventional)
Numerical methods for engineer	

Software exposure

- Ansys-Fluent
- Matlab
- Solidworks

Seminar/courses attended

- A short-term course taken by **Prof. Manfred Groll** on “**Introduction to Heat pipe Science and Technology**” held at IITI on 6th to 19th December 2016.
- A short-term course taken by **Prof. Rufat Abiev** on “**Micoreactors: Mathematical Modelling of Hydrodynamics Heat and Mass Transfer, Design and Fabrication**” held at IIT on 20th to 29th December 2016.
- A short-term course taken by **Prof. Dariusz Mikielwicz** on “**Small Scale Combined Heat and Power Generation Units: Modelling of Thermal Hydraulic Issues, System Design and Operation**” held at IITI on 20th to 24th November 2017.
- 2 Week service training of **CARE & MAINTENANCE OF ENGINES AND TORQUE CONVERTER & TRANSMISSION** of bulldozer bd155/355 in **BEML LIMITED** held at **KGF Bangalore**.
- 2 Weeks Industrial training in **NTPC bhadarpur, New Delhi**.

Personal details

Date of Birth: 04-02-1990

Father's Name: Karnail Singh

Temporary Address: 102A- C.V. Raman hall, IIT Indore

Declaration

I hereby declare that the information provided above is true to the best of my knowledge.

Place: Indore

Gurjeet Singh