Sougata Hazra
Ph.D. Student in Mechanical Engineering, admitted Spring 2018

Publications

PUBLICATIONS

• **Thermal and Manufacturing Design Considerations for Silicon-Based Embedded Microchannel Three-Dimensional-Manifold Coolers (EMMC)-Part 3: Addressing Challenges in Laser Micromachining-Based Manufacturing of Three-Dimensional-Manifolded Microcooler Devices**
  Hazra, S., Jung, K., Iyengar, M., Malone, C., Asheghi, M., Goodson, K. E.
  ASME.2020

• **Thermal and Manufacturing Design Considerations for Silicon-Based Embedded Microchannel-Three-Dimensional Manifold Coolers-Part 2: Parametric Study of EMMCs for High Heat Flux (similar to 1kW/cm^2) Power Electronics Cooling**
  ASME.2020

• **PARAMETRIC STUDY OF SILICON -BASED EMBEDDED MICROCHANNELS WITH 3D MANIFOLD COOLERS (EMMC) FOR HIGH HEAT FLUX (-1 kW/cm^2) POWER ELECTRONICS COOLING**
  Jung, K., Hazra, S., Kwon, H., Piazza, A., Jih, E., Asheghi, M., Gupta, M., Degner, M., Goodson, K. E., ASME
  AMER SOC MECHANICAL ENGINEERS.2020

• **ADDRESSING THE CHALLENGES IN LASER MICRO-MACHINING AND BONDING OF SILICON MICROCHANNEL COLD-PLATE AND 3D-MANIFOLD FOR EMBEDDED COOLING APPLICATIONS: PERFECT DEBRIS REMOVAL**
  Hazra, S., Jung, K., Lyengar, M., Malone, C., Asheghi, M., Goodson, K. E., ASME
  AMER SOC MECHANICAL ENGINEERS.2020