

Research Experiences:

- Design and fabrication of Printed Circuit Boards (PCB) and Microfluidic Devices for electrowetting actuations.
- Design and fabrication of PCB-based Resistive Thermal Devices (RTD) for measuring temperature in Microfluidic Devices.
- Design and fabrication of PCB-based Microfluidic Devices for thermocapillary actuations.
- Development of an in-house numerical code to simulate Hot-Spot cooling including electrowetting
- Development of an in-house numerical code to simulate the impact and solidification of full/semi-molten metal droplets on cold substrates for thermal spray processes
- Setting-up experiments for high-speed imaging of droplet impacts, droplet evaporation, contact angle measurement and electrowetting