

AREAS OF RESEARCH INTEREST

- Design, Development and Modeling of Thermal Engineering Systems Using Finite Element, Finite Volume and Finite Difference Techniques.
- Experimental and Numerical Research in Fluid Flow, Radiative and Convective Heat Transfer applied to Automotive, Power Generation and Chemical Processes.
- Mechatronic Systems, Robotics and Automated Manufacturing Systems, Computer Vision and Artificial Intelligence.
- Computer Aided Design and Manufacturing.
- Transport phenomena in Micro- and Nano-devices and systems.