

Ponnuthurai Gokulakrishnan, Ph.D.

Gokul is a Senior Engineer at CSE working in the area of combustion chemistry and transport processes of reactive flows related to stability, energy efficiency, and pollutant reduction in propulsion and power systems such as gas turbines, augmenters, scramjets, coal gasifiers, etc. His professional expertise and interests include chemical kinetic modeling of conventional fuels (e.g., natural gas, jet fuels, coal, etc.) and synthetic fuels (e.g., syngas, Fisher-Tropsch fuel, biodiesel, etc), chemical process modeling and optimization of multi-phase combustion and gasification systems, and reduced kinetic model development for CFD simulation of flame stability and emissions in practical combustion systems. Gokul received his Master of Science and Doctoral degrees in chemical engineering from Queen's University at Kingston, Ontario. Gokul graduated with B.Sc.(Eng.) in chemical engineering from the University of Moratuwa in Sri Lanka.