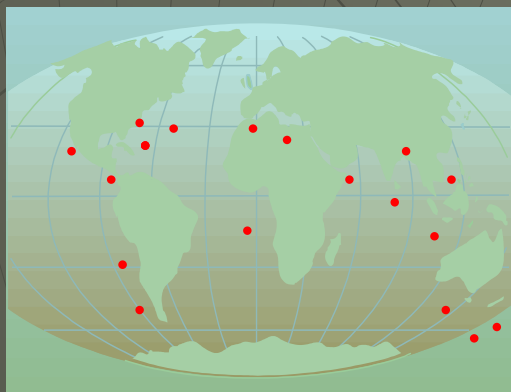


Enhancing Systems from Molecules to Multinationals: Chemical & Bio-Systems Engineering

Process Systems Engineering (PSE) research encompasses a wide range of scale in size and time from molecules, units, plants to enterprises. The broad objective of this research is to develop efficient methods and tools for process modeling, optimization, supervision and control.



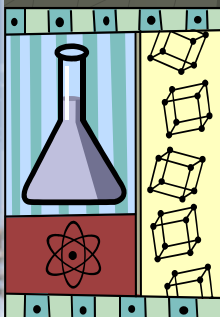
Supply Chain Management & Logistics

- Modeling and Optimization
- Industrial Cluster Modeling and Analysis



Modeling, Optimization, Supervision & Control of Innovative Process Systems

- Optimal Design & Control of Integrated Processes
- Dynamic Modeling, Supervision and Control of Industrial Processes
- Optimization for Multiple Objectives and Global Optimum
- Green Engineering & Environmentally-Benign Processes
- CFD for Complex, Reactive & Multi-Phase Flows



PSE for Life Sciences

- Modeling & Control of Physiological/Biological Systems
- Modeling, Analysis & Reverse Engineering of Genetic Networks
- CFD for Drug Delivery

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