



Award #s:

¹ 1931584

² 1931391

³ 1931539

⁴ 1931592

⁵ 1931397

⁶ 1931389

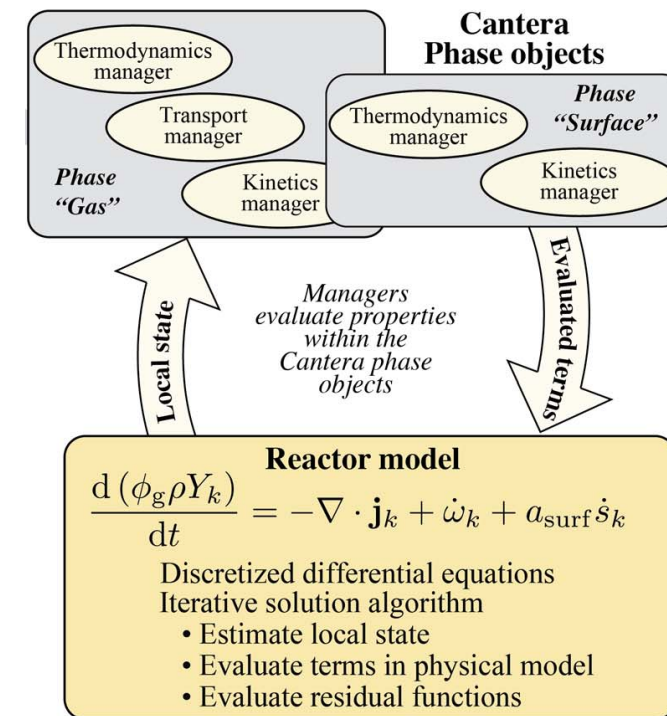
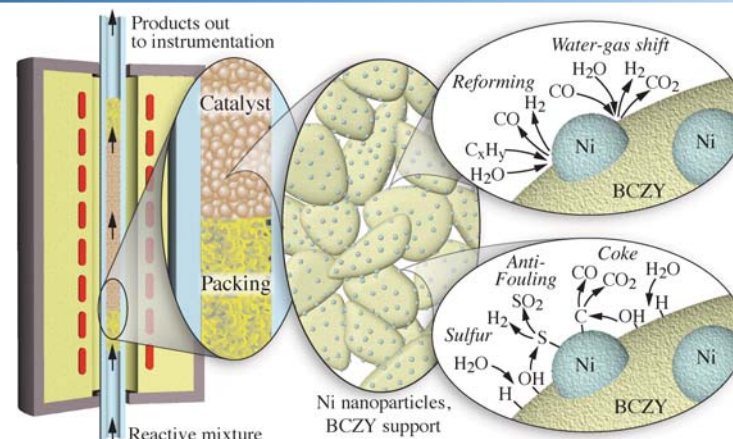
(CISE/OAC)



CSSI Framework: Extensible and Community-Driven Thermodynamics, Transport, and Chemical Kinetics Modeling with Cantera: Expanding to Diverse Scientific Domains

Co-Is: Steven DeCaluwe¹, Robert Kee¹, Gregory Jackson¹, Raymond Speth², Bryan Weber³, Kyle Niemeyer⁴, C. Franklin Goldsmith⁵, Richard West⁶

Institutions: ¹ Colorado School of Mines, ² Massachusetts Institute of Technology, ³ University of Connecticut, ⁴ Oregon State University, ⁵ Brown University, ⁶ Northeastern University



Tasks

- New Capabilities
- Enhanced Usability
- Code Optimizations
- Workshops & Outreach

Software Application Areas

- Combustion
- Catalysis
- Electrochemistry
- Atmospheric Chemistry