

Chemical Reaction Engineering for Inherently Safer Chemical Processing and Process Intensification”

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This talk will provide an overview of our recent research at Texas A&M in collaboration with the Mary Kay O’Connor Process Safety Center in the field of chemical reaction engineering, including steady-state multiplicity, thermal runaway and parametric sensitivity of continuous, batch-wise and semi-batch processing for identifying inherently safer, intensified chemical processing. Applications range from distributed energy and fuels applications to fine chemicals and pharmaceuticals manufacturing.