

## **2018 CCPS Proposed Project**

**Proposal No.:** 1807

**Title:** Update “Guidelines for Chemical Reactivity Evaluation and Application to Process Design” (1995)

**Proposal:** This book is now 20+ years old. In that time, much has happened in the way we manage the safety of intended chemical reactions. There are many new products and tools that can be used and discussed. New calorimetry devices screening methods have been developed, the CSB report on Improving Reactive Hazard Management has been issued, and many incidents have occurred that provide valuable lessons

**Benefits:** This project would update and modernize an existing CCPS reference to include current technology and practice.

**Team Composition:**

The team should ideally consist of R&D, process development and reactive safety expert personnel, along with process engineers and designers.

**Product:** 2nd edition Guideline book on the topic

**Recommended Development Approach:**

It is anticipated this project will be a traditional CCPS project, with a volunteer committee of subject matter experts from member companies, and a contractor or technical writer to prepare the material from the committee.

**Audience:** R&D and Process Development personnel, chemists, chemistry / chemical engineering curriculum, process safety professionals, students, professors, as well as new and experienced process engineers.

**Time:** 12-18 months for outline development and writing

**Cost Recovery Potential:**

Book Sales

**Sponsor:** John Wincek, DEKRA; Amy Theis, Fauske and Associates

**Champion:** Louisa Nara, CCPS

**Potential Reference Materials:**