2007-2008
STATE OF THE CENTER

Mary Kay O’Connor Process Safety Center

Dr. M. Sam Mannan, PE, CSP
Professor and Director
MKOPSC

- Organizational Structure
- Symposia
- Outreach & Service
- Education
- Fiscal Information
- Research
ORGANIZATIONAL STRUCTURE

- Steering Committee
- Technical Advisory Committee
- Faculty Fellows
- Research Staff
- Support Staff
- Students
SYMPOSIA

• Annual International Symposium 2007
  ◆ Over 375 attendees
  ◆ 18 exhibitors

• Instrumentation Symposium for the Process Industries 2008
  ◆ Over 450 total attendees
  ◆ 10% decrease in full registrations
  ◆ No change in number of exhibitors
OUTREACH & SERVICE

- Education
- Collaborations
- Service
EDUCATION

• Distance Learning (DL)
  ◆ State-of-the-art DL equipment carts
  ◆ Courses
    • Process Safety Engineering
    • Quantitative Risk Analysis
    • New course- SENG 422 Fire Protection Engineering
  ◆ Future Safety Practice Certificate

• Continuing Education
  ◆ 47 total different courses offered
  ◆ Over 2000 people trained
  ◆ Total number of classes offered: 19
  ◆ Percentage with minimum enrollment being met: 68%
EDUCATION

- Safety Engineering
  - Safety Engineering Certificate - undergraduates
    - 7 new $2500 scholarship offered
    - 72 Certificates awarded since 2003
  - Master of Science in Safety Engineering
    - Proposal to offer as DL
  - Master of Science in Process Safety Engineering
    - New Degree being proposed
    - Dual degree at Tianjin University, China
- “Exchange” Students
  - Universidad Industrial del Santander in Bucaramanga, Colombia
  - La Universidad del Zulia in Maracaibo, Venezuela
COLLABORATIONS

- TEEEx - Brayton Fire School - LNG Research & Video development
- TEEEx - LNG Spills & emergency response planning research
- TEEEx - Combustible Dust Awareness project
- CONACYT research grant with faculty at Instituto Tecnologico de Celaya
- “LNG Pool Fire Modeling” - White Paper written and released
- Feasibility of the Development of a National Hazardous Events Surveillance System - White Paper Development
- Korea Gas Safety, Co-sponsor of MKOPSC International Symposium
SERVICE

- Lectures/Interviews
  - Congressional Testimony
  - The History Channel Interview
  - Dean’s Lecture Series, University of Missouri- Rolla
  - Wendell Miller Distinguished Lecture, Iowa State University

- Website

- Library
  - Almost 1000 new books catalogued
  - 12 new computers for student open access lab
FISCAL

- **Gifts**
  - Harry West Memorial
  - Michael and Olive O’Connor Lab Fund
  - BP Gift
    - Safety Engineering Program
    - General Center support
  - Communities Foundation of Texas
  - Dust Explosion Vessel- Dow Chemical
  - Continuous Monitoring System- Cheniere Energy
- **Consortium, Symposia, Sponsored Research**
  - Increase in Consortium and Symposia income
  - Sponsored Research funding increased
RESEARCH

- 13 Peer Reviewed Publications & Technical Meeting Proceedings
- 2 White Papers
- 2 PhD Dissertations
- 6 MS Theses
- Research Funding
  - 32 total awards
  - 16 proposals
MAKING SAFETY SECOND NATURE

- Increase Awards
- Proposals
  - Increase # submitted
  - Increase award amount requested
  - Target particular research areas
- Develop DL Program
  - Advertise Programs
  - Increase # courses offered
  - MS SENG
- Continuing education attendance
  - Advertise classes
  - Develop classes for DL
- Additional Faculty
QUESTIONS?

Thank You