

CCPS 공정안전 워크샵

“Recognizing Catastrophic Incident Warning Signs”

2016. 06. 08(수) 10:00 – 17:00 (연세대학교 상남경영원)

◆ 개 요 ◆

- * 과 정 명 : CCPS 공정안전 워크샵
- * 일 시 : 2016. 06. 08(수) 10:00 – 17:00
- * 장 소 : 연세대학교 상남경영원 사이프러스홀
- * 주 관 : 연세대학교 엔지니어링대학원 / 한국화학공학회 (공정시스템부문위원회)
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- * 담당교수 : 문일 교수 / 연세대학교 화공생명공학과
- * 초청강사 : Louisa Nara, Technical Director / CCPS
Umesh Dhake, Asia Pacific Regional Manager / CCPS
- * 모집인원 : 30 명, 선착순 마감 / 신청 마감일 : 5.30 (월)
- * 대 상 : 산업체 재직자, 교수 등
- * 등록비 (책자, 중식 포함) : 5 만원 (산업체 재직자, 교수 등)
- * 신청방법 : 한국화학공학회 홈페이지 <http://www.kiche.or.kr/> 의 오른쪽 배너 中 '심포지엄 참가비 결제' 클릭 → 하단에 생성되는 'CCPS 공정안전 워크샵' 배너 클릭 → 내용 기입 후 → 신청 [카드결제의 경우, 신청 버튼 누르면 결제시스템 활성화]
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*** Content**

“Recognizing Catastrophic Incident Warning Signs”

Do you understand why you are having process safety incidents and what to do to prevent them and minimize their impact? What if you could predict if an incident was going to happen before it does? You can't predict exactly when an incident will occur, but you can practice a higher degree of situational awareness and key in on the incident warning signs that occur before an incident and then act on the warning signs once you have identified them. This course will provide guidance and real-world experiences on how to recognize catastrophic incident warning signs. Identifying these subtle indicators of weaknesses in existing business processes and safety programs is an excellent way to drive continued improvement in your process safety program. Catastrophic incidents do not just happen; they often result from weaknesses in management systems used to control an operation. Often, weaknesses provide warning signs – subtle or not-so-subtle indicators that something is wrong or about to go wrong.

Yonsei University, Seoul, Korea

June 8 2016

*** Learning Outcomes:**

- Recognize incident warning signs.
- Identify subtle weaknesses in existing business processes.
- Discuss how to conduct training to reduce the likelihood of an incident occurring.
- Analyze risk and managing change warning signs.
- Compare warning signs to previous incidents that have been experienced.
- Describe procedures and process safety information to eliminate risks before they cause catastrophic result

Louisa A Nara

Technical Director CCPS



1. Bio

Louisa Nara is the Technical Director of the Center for Chemical Process Safety (CCPS) for the American Institute of Chemical Engineers (AIChE). She has over 35 years of experience in the chemical, petrochemical, pharmaceutical and food industries and has worked for and with over 65 companies. Projects, training and speaking engagements have taken her throughout the United States, Mexico, South America, Canada, India, Singapore and Europe. Louisa joined AIChE/CCPS after 15 years with Bayer where she held positions of increasing responsibility including: Manager Process Safety and Crisis Management; Director of HSE, Security and Emergency Response at Bayer's largest US Manufacturing site; and, Director, Risk Management and Compliance, NAFTA.

Louisa's roles and responsibilities within CCPS include overseeing the CCPS technical portfolio; developing and enhancing CCPS's educational offerings; developing and deploying new tools; and, enhancing value for corporate member sponsors. She holds a Bachelor of Science in Chemical Engineering from West Virginia University and a Master of Science in Environmental Engineering from Villanova University. Louisa is also a Certified Process Safety Professional (CPSP) and a Certified Compliance and Ethics Professional (CCEP). She was elected to the West Virginia University Chemical Engineering Academy for her outstanding professional accomplishments.

2. Education

West Virginia University / Bachelors / Chemical Engineering

Villanova University / Masters / Environmental Engineering

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Umesh Dhake

Asia Pacific Regional manager, CCPS staff consultant



1. Bio

Umesh Dhake, Asia Pacific Regional Manager for Center for Chemical Process Safety (CCPS) is a Chemical engineer with more than 15 years of experience in Risk Consulting. Previously, Umesh worked with ABS Consulting- Risk Division and Germanischer Lloyds GmbH.

He was involved in Preliminary Hazard Analysis, Consequence Analysis, QRA studies, MAH Bow Ties development, SIL verifications as per IEC 61511, Fit for Purpose Certifications for offshore ageing assets- pipelines and platforms. Umesh is also Lead auditor, Lead Tutor for Quality, Environmental, and Occupational Health & Safety management systems.

2. Education

Mumbai University / Bachelors / Chemical Engineering

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