

World Congress on

Petroleum and Refinery

July 21-22, 2016 Brisbane, Australia

Time to bridge the gap

Mohammad A AlKazimi and Hanan Altabbakh
Kuwait Oil Company & Ministry of Education, Kuwait

The volatile nature of petroleum products as well as the integral convolution of the process urged the petroleum industry to pursue techniques to recognize, assess and encompass possible hazards. Together, both government agencies and non-profitable professional societies guide industry leaders with best- recommended practices. Hence, they aim at improving operations management and ensure a safe working environment with processing facilities. Regrettably, accidents due to both human errors and electromechanical failures still happen and result in numerous consequences. As a result, critics have raised concerns about the petroleum industry's safety and risk mitigation credentials and question its ability to prevent major accidents. Therefore, and in to establish a rigid safety culture, the gap between both the academia and the industry need to be bridged to enhance the knowledge base of safety in the petroleum industry. The purpose of this paper is to define the establishment of "HSE Risk management in the petroleum industry" course in the Petroleum Engineering program at Missouri University of Science and Technology. Not only is it designed to cover the technical aspects of HSE in the petroleum industry, but it also enhances the overlooked soft skills, ethical responsibilities, and creating safety culture.

Biography

Mohammad A AlKazimi is a Senior Reliability and Equipment Support Engineer at Kuwait Oil Company in Kuwait. He holds a Bachelor's degree in Mechanical Engineering and Master's degree in Industrial Engineering; both earned at the University of Toledo in Ohio, USA. As part of professional development program by the oil sector in Kuwait, he was one of the first of employees to be selected to pursue his higher degree with focus on risk assessment and mitigation in the petroleum industry. Additionally, he earned his Master's degree in petroleum engineering along with certificates in Safety Engineering, Leadership in Engineering Organizations, and Project Management, respectively. In addition, he is a member of multiple professional societies.

MKazimi@kockw.com

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