

Bio: Passa Piland

Professional Biography

Passa has been working for Bayer Corporation in the past 20 years in various roles. Bayer is a Life Science company with core competencies in the areas of health care and agriculture. After graduating with an MSChE from Texas A&M University- Mary Kay O'Connor Process Safety Center (MKOPSC) located in College Station, TX, she joined Bayer as a process design and optimization engineer in corporate engineering located in Baytown, TX. In this role she worked on several plant design and plant optimization projects. After 7 years in this role she moved on to become a reliability engineer in one of the production units at the same location. As a reliability engineer, she was in-charge of plant optimization, and small investment and maintenance projects. After her beginnings at MKOPSC, and involvement in a day to day production environment, she realized the importance of safety in production units and decided to move into the process safety field.

Passa has been working in Pressure Safety at Bayer since 2011. She enjoyed learning different aspects in this field. After several years of emergency relief system design, she was promoted to a position of pressure safety expert. In this role, she became an important contributor, reviewing and approving relief design, conducting pressure safety awareness training for employees and training new relief system designers for Bayer North and South Americas.

Position Statement: DIERS Operating Committee-Technology Projects Chair

The DIERS methodology is a well-known method for relief sizing in case of runaway reaction and two-phase flow. My goal is to continue the DIERS legacy and be the main contact for new technology, research topics and ideas that would enhance safety in the industry via emergency relief system design. I will prioritize and find support for existing and future DIERS projects. With DIERS member interests in mind, I also aim to bring forward pressure safety issues that members are facing and find common goals for future DIERS projects.

Education

Masters Chemical Engineering

Texas A&M University
College Station, Texas, United States

Bachelors Chemical Engineering

Khon Kaen University, Thailand

Memberships

Design Institute for Emergency Relief Systems (DIERS)