



## **Dr. Yun Doreen Chin**

*PhD, PE, Fellow of ASME*

*Subsea Engineering Technologies, LLC., Houston, TX, USA*

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### **Brief biography:**

Dr. Doreen Chin is the Vice President of Systems and Operability Solutions in Subsea Engineering Technologies, LLC. She held a PhD in Mechanical Engineering from University of Houston, a MS in Thermophysics Engineering from Tianjin University, China.

Doreen was the first person who discovered (1997) the “turning angle” phenomenon in phase-change heat transfer and multiphase flow in a thin channel relating to cooling mechanism in nuclear reactor central core. She was named Fellow of American Society of Mechanical Engineers (ASME) at 2010.

Doreen has over 30 year experiences in the industries (oil and gas; power generation) and academia, including long history of working for Shell and for service companies. Her experience ranges from technology development, engineering design, analyses, research, teaching, experiment in flow assurance (FA); transient and steady-state multiphase flow and thermal analysis; safe and cost effective management of flow assurance risks; subsea processing/subsea production system design, to production system operability and operation strategies. Her responsibility includes as a project FA team lead for various projects (majors/marginal fields; green/brown fields) from Assess, Selection, Define, Execution, to First Oil.

Doreen has published one technical book and 44 papers. She is the recipient of

- SPE Outstanding Technical Editor Award, 2014.
- ASME Dedicated Service Award for Devotion Leadership Performance, 2013.
- Twice, OTC/ASME Arthur Lubinski Best Paper Award, for 2011 and 2004.
- ASME - Petroleum Jacobson Best Paper Award for 2001.

Doreen served as the Program Committee Chairperson of OTC 2014. She also served as the Chairperson of 2014 ASME - Unconventional Play Development and Hydraulic Fracturing Conference. She is serving as Engineering Leadership Board member of Cullen College of Engineering, University of Houston.