



## **Dr. Yun Doreen Chin**

*PhD, PE, Fellow of ASME*

President, Yunka Energy LLC, Houston, TX, USA

(<https://www.linkedin.com/in/doreenchin/>)

---

Dr. Doreen Chin is the President of Yunka Energy, a consultant firm focusing on energy and oil and gas technology, engineering, production operation, and asset investment and management. She is also a co-owner of EnPower Energy, a Texas based oil and gas producing company. She held a PhD in Mechanical Engineering from University of Houston.

Doreen has over 35-year experiences in energy and oil and gas industries and academia, including long history of working for Shell and for service companies. Her experience ranges from

- Offshore: technology development, engineering, analyses, research, experiment in flow assurance; multiphase flow and thermal analysis; field development concept screening; safe and cost-effective management of flow assurance risks; subsea processing/subsea production system design, production system operability and operation strategies.
- Onshore: conventional and unconventional field development, surface engineering, midstream facilities and pipeline, production operation, and asset investment and management.
- Scientific research: During her PhD research, she discovered a “Turning Angle” phenomenon in Flow Boiling in Narrow Channel with Asymmetrical Heating - from Convection to Nucleate Boiling. Elected as ASME Fellow based on this discovery.

Doreen is currently serving as

- Member of Board of Directors, Offshore Technology Conference (2017~2025), and
- Member of Engineering Leadership Board, University of Houston (2014~).

She had served as the Chairman of ASME Petroleum Division (FY2018); the Program Committee Chair of OTC 2014; the Chair of 2014 ASME - Unconventional Play Development and Hydraulic Fracturing Conference, the Chair of 2019 ASME Advanced Clean Energy Summit, and 2021 Advisory Board Member of ASME Big Data and Digital Transformation Summit.

Doreen has published one technical book and 51 papers. She is the recipient of

- SPE International Technical Award for Project, Facility, and Construction, 2020
- SPE Regional Technical Award for Project, Facility, and Construction (GCS), 2019.
- SPE Outstanding Technical Editor Award, 2014.
- ASME Dedicated Service Award for Devotion Leadership Performance, 2013.
- Twice, ASME Arthur Lubinski Best Paper Award, 2011 and 2004.
- ASME Petroleum Jacobson Best Paper Award, 2001.