Meritorious Technical Awardee

**Dr. JinHong Chen** after a few intermediary stops has ended up in Houston working for Saudi Aramco Americas at their Houston Research Center where he is the technical lead for everything NMR.

Born and educated in China (B. Sc Wuhan University and Ph.D. in Physics from Chinese Academy of Sciences), he did a Post Doc in Lausanne, Switzerland (Oct. 1998 – June. 2000) and then had a two-year joint appointment at Harvard University (Salem Fellow) and MIT (visiting scientist). He then joined Memorial Sloan-Kettering Cancer Center in New York where he published 20 papers on magic-angle-spinning NMR for sarcoma diagnosis and treatment and co-authored two books on high field NMR.

In April 2010, he changed fields and moved to Baker Hughes where he became an NMR formation evaluation specialist and lead the NMR R&D effort. In addition to his productive research efforts (10 publications and eight patents), JinHong mentored post-doctoral research fellows, was responsible for the NMR growth strategy and the NMR research laboratory expansion. In 2013, JinHong moved to Saudi Aramco America’s research center where he built a new NMR research laboratory and started an extensive NMR research program including both low-field and high-field NMR. He has been investigating fluid distribution and flow in unconventional source rocks, exploring advanced mud logging, developing equations of state for fluids in nano-confined pores, proposed a water-free EM “fracing” technology, and developed methods and software to calculate capillary pressure and relative permeability from images. He also led several high impact collaboration projects with “academics” (Dr. Mohammad Piri, U of Wyoming) and national research labs (Dr. Yun Liu NIST). The results of his research at the Aramco Research Center-Houston and the collaboration work with outside organizations has led to more than 50 publications including Nature Communications.