



Dr. Yuanjiang Pei leads the Computational Modeling Team at the Aramco Americas' Detroit Research Center. His team focuses on innovating and developing advanced engine combustion concepts and low climate impact fuels using state-of-the-art simulation tools. He recently initiated an industry-focused consortium called, IMPACT (Initiative for Modeling Propulsion and Carbon-neutral Transportation, to develop accelerated virtual engine and fuel methods for sustainable transport technologies. He joined Aramco in late 2015 after previously working at Argonne National Laboratory and Delphi.

Pei is actively involved in the organization of several international conferences, serving both Society of Automotive Engineers (SAE) and American Society of Mechanical Engineers (ASME). He was presented with numerous prestigious awards, including the HPCwire Award

four years in a row and 2019 ASME Chairman's Distinguished Service Award. Pei received his PhD in Mechanical Engineering from The University of New South Wales.