

# Developing Virtual Engines Symposium

## Agenda

**Tuesday, October 22, 2019**

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**2:15 – 2:20 p.m.**      **Welcome Address**  
*Amer Amer, Aramco*

**2:20 – 2:30 p.m.**      **Goals and Objectives**  
*Yuanjiang Pei, Aramco*

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**Session 1: Future Transportation Perspective and its Implications to Virtual Engine Development**

Moderator: *Michael Traver, Aramco*

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**2:30 – 2:50 p.m.**      **The DOE Perspective: Smarter Engine Design Tools for Sustainable Transportation**  
*Michael Weismiller, DOE*

**2:50 – 3:10 p.m.**      **Roles and Opportunities of CFD in Future Engine Development**  
*James Yi, Ford*

**3:10 – 3:30 p.m.**      **Commercial Vehicle Outlook**  
*Jim Cigler, Navistar*

**3:30 – 3:50 p.m.**      **Virtual Engine Development - Towards Cleaner, Highly Efficient Engines**  
*Yuanjiang Pei, Aramco*

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**3:50 – 4:05 p.m.**      **Coffee Break**

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**Session 2: Panel Discussion – The Role of CFD in Future Engine Development/ Common Hurdles in Engine CFD**

Moderator: *Kelly Senecal, Convergent Science*

*Panelists:*

- 4:05 – 5:45 p.m.**
- **James Yi**, Ford
  - **Scott Parrish**, General Motors
  - **Ron Reese**, Fiat Chrysler
  - **Jim Cigler**, Navistar
  - **Bruce Vernham**, Isuzu
  - **Jiongyang Wu**, WeiChai America

