

**achatesPOWER**

Fundamentally Better Engines™

# OP ENGINE SYMPOSIUM

November 7, 2018



Achates Power invites you to The OP Engine Symposium, which directly follows the ASME Fall Engine Conference in San Diego. Come learn more about the ultra-clean, ultra-efficient Opposed-Piston Engine from industry and Achates Power experts.

The symposium will feature presentations and discussion on the thermodynamic advantages, emissions and aftertreatment, mechanical design, and gasoline compression ignition of the Opposed-Piston Engine from Achates Power technical experts as well as from industry leaders in the Powertrain community.



Jack Kitowski  
Division Chief,  
Mobile Source Control  
Division, California Air  
Resources Board



Regina Barringer  
Cummins General Manager,  
Global Rail & Defense



Dr. Chris Atkinson  
Program Director,  
Department of Energy /  
ARPA-E



Chris Sharp  
Staff Engineer, SwRI



Bruce Brendle  
Deputy Executive Director,  
Center for Systems Integration  
U.S. Army TARDEC

## 1:00 – Welcome

David Johnson, President and CEO, Achates Power

## 1:05 – Transportation Priorities

Jack Kitowski, Division Chief, Mobile Source Control, CARB

## 1:25 – Commercializing New Engine Technologies

Chris Atkinson, Program Director, ARPA-E,  
US Department of Energy

## 1:45 – Sustainable Transportation Pathways

Dave Cleary, Research Center Lead, Aramco Services

## 2:05 – Performance & emissions rationale & results incl. GCI

Fabien Redon, CTO, Achates Power

## 2:35 – Emissions & Aftertreatment

Chris Sharp, Staff Engineer, SwRI

## 3:00 – BREAK

## 3:20 – U.S. Army Opposed-Piston Engine Research and Development

Bruce Brendle, Associate Director,  
Ground Vehicle Power & Mobility, U.S. Army – TARDEC

## 3:50 – Cummins Experience Developing an OP Engine

Regina Barringer, Cummins General Manager,  
Global Rail & Defense

## 4:10 – Trident OP – The Most Efficient Engine in its Class

Shaun Fuller, Vice President Strategy, Fairbanks Morse

## 4:30 – Technology Panel

Dave Youngren, BASF  
Kent Froelund, Da Vinci Technologies  
Mihai Dorobantu, Eaton  
Keri Westbrooke, Federal Mogul

## 5:00 – 5:30 - The Road Ahead

Dan Hancock, Achates Power Board Member  
Bill Robertson, CARB  
Vickie Patton, EDF  
Bill Van Amburg, CALSTART  
Fabien Redon, Achates Power

For tickets visit:

[www.achatespower.com/  
opsymposium](http://www.achatespower.com/opsymposium)

or email:

[info@achatespower.com](mailto:info@achatespower.com)

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