

# Lidar Applications Breakout Session

Pacific Northwest  
NATIONAL LABORATORY

01:30 to 03:30 pm, Monday 10 June 2019

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- ▶ The goal of this session is to
  - Provide a forum for data users to share results, lessons learned, and provide feedback to the ARM User Facility.
  - Focus on the science applications of the ARM
    - Doppler lidars
    - Raman lidars
    - High Spectral Resolution lidars
    - MPLs
    - Ceilometers
- ▶ Conveners
  - Rob Newsom, PNNL, [rob.newsom@pnnl.gov](mailto:rob.newsom@pnnl.gov)
  - Larry Berg, PNNL, [larry.berg@pnnl.gov](mailto:larry.berg@pnnl.gov)
  - Dave Turner, NOAA/ESRL, [dave.turner@noaa.gov](mailto:dave.turner@noaa.gov)



<b>Rob Newsom</b>	Brief Intro
<b>Rob Newsom</b>	The Vaisala broadband DIAL
<b>Volker Wulfmeyer</b>	ACROSS water-vapor and temperature Raman lidar
<b>Dave Turner</b>	The MSU/NCAR Micropulse DIAL
<b>Dave Turner</b>	Water vapor similarity
<b>Ray Bambha</b>	Planned upgrades for the ARM HSRLs
<b>Duli Chand</b>	Feature detection and EXtinction (FEX) VAP
<b>Larry Berg</b>	Using Doppler lidar to evaluate simulations of the evening transition
<b>Satoshi Endo</b>	Reconciling differences between LES-predicted and Doppler lidar observed cloud base vertical velocities
<b>Neil Lareau</b>	Lidar observations of updrafts and water vapor anomalies at ARM SGP
<b>Kyle Dawson</b>	Lidar-Retrieved Aerosol Humidification Factors