



# Session 2-1: New Aerosol Measurement Techniques

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Markus Petters, UC Riverside

AMSG workshop  
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## What's this session all about?

- Through presentations and discussion, we hope to identify the existence and state of emerging and maturing **measurement** and **analysis** technologies that cover the broad range of platforms that ARM utilizes and to gauge community interest in these new capabilities.
- In planning for the future of aerosol instrumentation in ARM, we will continue to serve the needs of the scientific community for years to come.

# Today's agenda

1:15 – 1:20: Introduction (Jim Smith)

1:20 – 2:15: Current Capabilities, Opportunities and Roadblocks

For each of these topics, we should discuss:

**Capabilities:** What do we have that may require advanced instrumentation?

**Opportunities:** What's missing that is available or should be available?

**Roadblocks:** What are the constraints on instruments?

1:20 – 1:30: Unmanned Aerial Systems (Fan Mai)

1:30 – 1:40: Spatially Distributed Measurements (Markus Petters)

1:40 – 1:50: Shipborne Measurements (Markus Petters)

1:50 – 2:00: SBIR Activities/Community (Adam Theisen)

2:00 – 2:10: Frontiers in offline aerosol analytics (Alex Laskin, via Zoom)

2:10 – 2:20: Machine Learning (Manish Shrivastava, via Zoom)

2:20 - 2:45: Open Discussion

COMMENT ON TODAY'S SESSION: <https://tinyurl.com/amsg-instr>