

**Final Agenda for Fourth International SPARTAN Meeting**  
**May 18, 2023, Washington University**  
**Brauer Hall, Room 3015**

**May 17**

**Informal pre-meeting option**

Knight Center pub open until 10pm (food available until 8pm)

**May 18**

8:30 Coffee, tea, pastries

**Overview (Chair: Jay Turner, WashU)**

9:00 Overview & welcome (Randall Martin, WashU)

9:15 Connections of SPARTAN with global health (Michael Brauer, UBC)

9:30 Clean Air Fund and connections with SPARTAN (Tom Grylls, Clean Air Fund, remote)

9:40 Network status and methodological advancements (Christopher Oxford, WashU)

9:55 Advances in elemental characterization with the XRF (Xuan Liu, WashU)

10:10 Organic information from FT-IR (Ann Dillner, UC Davis)

10:25 Offline Aerosol Mass Spectrometry (AMS) technique for chemical characterization of filter samples (Yuxuan Ren and Jhao-Hong Chen, WashU)

10:40 Updated scripts for data processing (Haihui Zhu, WashU)

10:45 Break (Coffee, tea, snacks)

**Broader context (Chair: Ann Dillner, UC Davis)**

11:00 Black and brown carbon from UV-Vis (Joshin Kumar, WashU)

11:10 Exploring oxidative potential measurements for SPARTAN (Vishal Verma, UIUC)

11:20 Perspectives from lab, network, and field measurements (Jay Turner, WashU)

11:30 Perspectives on SPARTAN from Dhaka, Bangladesh (Abdus Salam, U Dhaka)

11:40 Insights from analysis of IMPROVE data (Jenny Hand, CSU)

11:50 Leave for group photo

12:00 Group photo

12:15 Lunch (Whittemore House)

(12-2 Brauer 3015 being used by Dean)

**Low cost monitors and future directions (Chair: Michael Brauer, UBC)**

2:00 MAIA, its connection with SPARTAN, and SPARTAN data dashboard (Sina Hasheminassab, JPL)

2:10 Integration with low-cost monitoring and CAMS-Net (Dan Westervelt, Columbia U)

2:20 Interrogating new science with low cost monitoring approaches: needs, pitfalls, and opportunities (Richard Peltier, U Mass Amherst)

2:30 Perspectives on SPARTAN from Rehovot, Israel: Insights about the Nephelometer (Eli Windwer, Weizmann Institute)

2:40 Nephelometer characterization, denuder, and other AirPhoton updates (John Hall, AirPhoton)

2:50 Future AERONET plans & potential connections with SPARTAN (Pawan Gupta, NASA, remote)

3:00 Break (Coffee, tea, snacks)

3:20 ASCENT and potential connections with SPARTAN (Sally Ng, Georgia Tech, remote)

3:30 PM2.5 Characterization in Pretoria, South Africa (Muhammad Naveed Anwar, UC Davis)

3:40 Initial findings from comparison of SPARTAN data with GEOS-Chem (Yu Yan, WashU)

3:45 Discussion of future analysis opportunities, dissemination, and outreach (all)

4:30 Lab tour of analytic facilities (weighing, XRF, IC, IBR) led by Chris Oxford and Xuan Liu  
4:50 AMS led by Brent Williams, Jhao-Hong Chen, and Yuxuan Ren

5:20 Leave for dinner (O'Donnell Lounge, Knight Center)

**Informal post-meeting activities (all are welcome)**

Friday, May 19

9:00 – 11:00, Discussion of organic aerosol characterization (Brauer 3015)

11:00 – 12:00, Seminar by Michael Brauer (Rodin Auditorium)