

Breakout session: Emerging technologies for ocean color

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Abstract: This session will focus on breakthrough technologies for ocean color research. One 12 min interactive talk will be given for each of these key areas of ocean color observing:

- 1) radiometric validation: HYPERNETS/WATERHYPERNETS next generation hyperspectral, multi-view validation system (K. Ruddick, confirmed)
- 2) inherent optical property validation: Hyperspectral backscattering sensor (W. Slade, confirmation pending)
- 3) the remote sensor: A novel spatial light modulator imaging system for CubeSats (M. Twardowski, confirmed)
- 4) the remote platform: High Altitude Long Endurance (HALE) drones, HAPS (Daniel Cracau, confirmation pending)

Discussion will focus on new potential applications for these breakthrough technologies and their potential to directly support or compliment ongoing and future international OC missions. Presentations and discussions will be organized into a peer reviewed publication to raise awareness of these breakthroughs in the OC community.