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## **Session 8: Remote Sensing Techniques and Applications**

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Tuesday 17 April 2018

8:00 AM - 10:30 AM

Session Chair: [Christopher C. Wilcox](#), U.S. Naval Research Lab. (United States)

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### **ESTO investments in innovative sensor technologies for remote sensing** (*Keynote Presentation*)

Paper 10639-39

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[Hide Abstract](#)

For 18 years NASA Earth Science Technology Office(ESTO) has been investing in remote sensing related technologies. During this period ESTO has invested in more than 900 tasks. These tasks are managed under multiple programs, which cover the whole spectrum of technologies from component to full up satellite in space and software. Many of these technologies have been successfully infused into space missions like Aquarius, SMAP, CYGNSS, SWOT, TEMPO and others. ESTO is actively investing in sensor technologies, instrument concepts, information technology and data processing algorithms for both active and passive remote sensing space applications. Recent investments have been for Sustainable Land Imaging(SLI-T), Inspace validation of technology (InVEST) and Instrument Incubator Program (IIP). This presentation will focus on remote sensing techniques and related technology investments by NASA/ESTO.

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Conference Presentation

View presentation recording on the SPIE Digital Library:

<http://dx.doi.org/10.1117/12.2266473.5458059422001>