

**TRANSFORMATIVE SCIENCE AND TECHNOLOGY SEMINAR SERIES FOR THE
DEPARTMENT OF DEFENSE**

Novel Remote Sensing Technologies for Space and Military Applications

Recent advances in remote sensing and observation technologies, have broad implications for applications across space science and defense. These new technologies have the potential to disrupt and transform traditional research and engineering approaches.

Please join the National Academies for a [virtual seminar](#) on new developments in brain-computer interfaces on **Tuesday, July 16, 2024 from 1400-1600 ET**.

SEMINAR SPEAKERS:

- **Dr. Joshua Fisher** (Chapman University) will discuss remote sensing and modelling of water, carbon, and nutrient cycling using a combination of remote sensing, supercomputer models, and field campaigns from the Amazon to the Arctic.
- **Dr. Michael Biercuk** (University of Sydney / Q-CRTL) will discuss exquisite quantum sensing for defense applications and exceptional new capabilities for the warfighter.

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ABOUT THE SEMINAR SERIES

This ongoing unclassified seminar series, designed for a non-expert audience, highlights emerging trends in science and technology that could transform the Department of Defense's approach to research and engineering. Learn more and find out about upcoming events on the [project website](#).