



Presents:

The Future of Exploration and Navigation [Earth and Space]



WILSON
SONSINI

Tuesday June 8, 2021 at 9am PT / 12pm ET / 5pm BST



Latest technologies for navigation and positioning on Earth, including new GPS signals and signal processing, use of AI in sensing, and advances promised by quantum technologies

Ramsey Faragher

CEO and Founder, Focal Point Positioning



Promising technology for autonomous navigation in deep space (cislunar to outer Solar System) using onboard camera, and triangulating positions by imaging distant Solar System bodies

Shyam Bhaskaran

Outer Planet Navigation Lead, Jet Propulsion Laboratory



Lunar PNT challenges and opportunities and LunaNet supporting architecture

Cheryl Gramling

Head of Navigation, NASA-Goddard Space Center



Rover resources exploration on the Moon: mobility, localization and mapping

Dan Andrews

VIPER Mission Lead, NASA



Sustainable lunar exploration with interconnected systems and surface and subsurface geological intelligence

Angela Stickle

Extreme Access Lead, LSIC

Johns Hopkins University Applied Physics Laboratory



Lunar surface and sub-surface navigation challenges and transferability gaps with terrestrial technologies

Sarah Withee

Extreme Access, LSIC and PNT Engineer,

Johns Hopkins University Applied Physics Laboratory



Neuromorphic vision for satellite tracking, and fast, low-power navigation in land, sea, air and space

Kynan Eng

CEO and Co-Founder, IniVation
