Full Name (English):	Bingnan Wang	
Affiliated Institution and Title (English):	Aerospace Information Research Institute, Chinese Academy of Sciences Research Professor	

Biography
(Please provide in paragraph form within 500 words.)

Bingnan Wang received his Ph.D. degree from the Graduate University of Chinese Academy of Sciences, Beijing, China, in 2011.Then he joined Aerospace Information Research Institute, Chinese Academy of Sciences (AIRCAS), Beijing. He has been a research fellow with the National Key Laboratory of Microwave Imaging (MIL), AIRCAS. He is currently deputy director of MITL and also the team leader of multi-dimensional SAR imaging and detection. He has authored and co-authored more than 100 peer-reviewed journal articles in the field of SAR imaging technology. His research interests are focused on signal processing of advanced SAR system, including theory and applications of SAR interferometry, harmonic radar, synthetic aperture ladar imaging, and air/ground moving target detection.

Speech Title (English):

Latest Advances in Synthetic Aperture Ladar

Speech Abstract
(Please provide in paragraph form within 500 words.)

Synthetic Aperture Radar (SAR) operates in the microwave frequency band, and its imaging resolution is limited by wavelength, making it difficult to improve further. Synthetic Aperture Ladar (SAL) extends synthetic aperture technology to the optical (laser) frequency band. By leveraging the advantage of large bandwidth in the optical domain, it can improve imaging resolution by orders of magnitude. This report covers: the current development status both domestically and internationally, and the latest research progress in payloads and processing algorithms.