

Announcing

RadAR Conference 2019

Boston



Revolutions in Radar

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About the Conference

22-26 April 2019

Westin Waterfront Hotel
Boston, Massachusetts, USA

www.radarcnf19.org

A radar revolution is underway, made possible by the rapid evolution of digital electronics, and powered by new innovative architectures, advanced components, novel waveforms and sophisticated processing techniques. Please join us in historic Boston, birthplace of the original American Revolution, as we continue this new revolution in radar technology. The beautiful Westin Waterfront hotel, located in the heart of Boston's seaport district, will make the perfect venue for the international community as we meet to share the latest advances in radar. The conference will include three days of parallel technical sessions, and two days of tutorials with ample opportunity to interact with international radar experts from around the world.

Technical Sessions

- Radar Phenomenology
- Environmental Sensing
- Commercial Radar
- Antenna Technology
- Radar Electronics
- Over the Horizon Radar (OTHR)
- Bi-static/Multi-static
- Passive Radar
- Networked & Distributed Radar
- mm-wave & THz Radar
- Detection & Estimation
- Airborne & Space Based
- SAR and ISAR Imaging
- ATR and Classification
- Ground and Naval
- Tracking
- Cognitive Methods
- Waveform Diversity
- Spectrum Sharing
- Electronic Warfare
- Emerging Systems
- Special Sensors
- Fully Digital Radar*
- Machine Learning/Imaging*
- Mobile Passive Radar*
- Automotive Radar*
- Dynamic Spectrum*
- Machine Learning /Micro-Doppler*

* Indicates Special Session

Tutorials

- Convex Optimization
- OTHR
- Ultra Wideband Surveillance
- Machine Learning (ATR)
- Bi-static and Multi-static
- Adaptive Array Antennas
- Adv. Radar Processing Tech
- Into Synthetic Aperture Radar
- RF Convergence
- Detection, Analysis & CFAR
- Radar Systems Prototyping
- ISAR Satellite Imaging
- Tracking and Estimation
- Signal Processing
- GB Passive Radar
- Signal Processing Passive

Conference Agenda

	Mon 22	Tues 23	Wed 24	Thu 25	Fri 26	Sat 27
Morning	Tutorial Session I	Intro/Plenary	Technical Session	Technical Session	Radar Summer School	
Afternoon	Tutorial Session II	Technical Session	Technical Session	Technical Session		
Evening	Welcome Reception	Exhibitor Reception	Banquet	Young Professionals Reception		

Organizing Committee

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MIT Lincoln Laboratory (MIT LL)

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Eric Reinke, Northrop Grumman
Anthony DiSimone, Lockheed Martin

Vice Chair

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International

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Hugh Griffiths,
University College London

Plenary

Eli Brookner, Raytheon (ret.)
Frank Robey, MIT LL

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Jeffrey Herd, MIT LL
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Publicity

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