

Announcing

# Radar Conference 2019

Boston



*Revolutions in Radar*

## Corporate Supporters

Platinum



Silver



## About the Conference

22-26 April 2019

Westin Waterfront Hotel  
Boston, Massachusetts, USA  
[www.radarconf19.org](http://www.radarconf19.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)
- Bistatic/Multistatic
- 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)
- Bistatic and Multistatic
- 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
<b>Morning</b>		Intro/ Plenary	Technical Session	Technical Session	Radar Summer School	
<b>Afternoon</b>	Tutorial Session I	Technical Session	Technical Session	Technical Session		
<b>Evening</b>	Tutorial Session II	Exhibitor Reception	Banquet			

## Organizing Committee

### General Chair

Eric Evans  
MIT Lincoln Laboratory (MIT LL)

### Deputy Chairs

Mark Russell, Raytheon  
Eric Reinke, Northrop Grumman  
Anthony DiSimone, Lockheed Martin

### Vice Chair

Jennifer Watson, MIT LL

### Technical Chair

Dan Rabideau, MIT LL

### Technical Vice Chair

Dan Bliss, Arizona State University

### Exhibits

Pamela Evans, MIT LL

### International

Alfonso Farina, Selex (ret.)  
Hugh Griffiths,  
University College London

### Plenary

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

### Publications

Jeffrey Herd, MIT LL  
Vito Mecca, MIT LL

### Publicity

David Mooradd, MIT LL  
Mabel Ramirez, MIT LL

### Tutorials

James Ward, MIT LL  
Katherine Rink, MIT LL

### Student Program

Julie Jackson, AFIT

### Sponsorships

Bill Weedon, Applied Radar

### Business Manager

Robert Alongi, IEEE Boston

### Website

Andrew Zai, Raytheon

### Event Planner

Patty Woodard