



### **IEEE/ION PLANS 2012**

April 24-26, 2012 (Tutorials: April 23)  
Myrtle Beach Marriott Resort & Spa  
Myrtle Beach, South Carolina

The Position Location and Navigation System (PLANS) Conference is a biennial technical conference that occurs in the spring of even numbered years. Our mission is to provide a forum to share the latest advances in navigation technology.

This conference is jointly sponsored by the [Aerospace and Electronics Systems Society](#) (AESS), and the [Institute of Navigation](#) (ION). The AESS is sponsored by the [IEEE](#), which is the world's largest professional engineering organization. The ION is the world's premier professional organization for the advancement of positioning, navigation and timing.

The PLANS conference is a four day conference with 1 day dedicated to tutorials and three days to technical sessions.

The tutorials provide attendees with the opportunity to learn about navigation technology from well-known industry experts. A variety of tutorials are offered to serve the professional needs of both newcomers and those well versed in the field of navigation. This year's tutorials include a wide range of navigation subjects from core navigation fundamentals to in-depth classes about the latest technologies.

Twenty-four half-day technical sessions are offered over a three day period, with four sessions running simultaneously each morning and afternoon. At the technical sessions scientists, researchers and engineers from around the world present their latest work in the field of navigation. The presentations range from fundamental research, to applications, to field test results. The topics include sensors, systems, optimal integration of multiple sensors, and novel or emerging technologies used in the field of navigation.

In parallel with the sessions we host a technical exhibit at which navigation equipment component and system suppliers show their current products and most recent technical innovations. You can expect to see the latest, most innovative navigation products and services from top navigation companies, highlighted in the exhibit hall.

The mission of PLANS, to provide a forum for public and private enterprises or organizations from around the world to share the latest advances in navigation technology, is embodied in its logo of the stylized sextant and migratory bird.

## PLANS 2012 Technical Program

Monday, April 23	
<a href="#">TUTORIALS</a>	
Tuesday Morning, April 24	
A1	<a href="#">High-Performance Inertial Sensor Technologies</a>
B1	<a href="#">Receiver and Antenna Technology 1</a>
C1	<a href="#">Indoor Personal and First-Responder Navigation</a>
D1	<a href="#">Aviation Positioning and Navigation Applications 1</a>
Tuesday Afternoon, April 24	
A2	<a href="#">Low-Cost Inertial Sensor Technologies</a>
B2a	<a href="#">Atmospheric Effects and Modeling</a>
B2b	<a href="#">Receiver and Antenna Technology 2</a>
C2	<a href="#">Urban Personal and Vehicular Navigation</a>
D2	<a href="#">Aviation Positioning and Navigation Applications 2</a>
Wednesday Morning, April 25	
A3	<a href="#">Multisensor Integrated Systems and Sensor Fusion Technologies 1</a>
B3	<a href="#">Interference, Spectrum Issues and Robust Navigation</a>
C3	<a href="#">Vision/Integrated Navigation Systems for Indoor Applications</a>
D3	<a href="#">Consumer Positioning and Smartphone Navigation Technology</a>

**Wednesday Afternoon, April 25**

A4	<a href="#"><u>Multisensor Integrated Systems and Sensor Fusion Technologies 2</u></a>
B4	<a href="#"><u>Precise Positioning, Multipath Mitigation, and Advanced Processing Algorithms</u></a>
C4	<a href="#"><u>Vision/Integrated Navigation for Vehicular and Robotic Applications</u></a>
D4	<a href="#"><u>Marine Positioning and Navigation Applications</u></a>

**Thursday Morning, April 26**

A5	<a href="#"><u>Sensor Manufacturing, Error Modeling and Testing</u></a>
B5	<a href="#"><u>Modernized GNSS</u></a>
C5	<a href="#"><u>Weak Signal Processing</u></a>
D5	<a href="#"><u>Terrestrial Positioning and Navigation Applications</u></a>

**Thursday Afternoon, April 26**

A6	<a href="#"><u>Emerging and Alternative Sensor Technologies and Precision Timing Systems</u></a>
B6	<a href="#"><u>GNSS Augmentation Systems</u></a>
C6	<a href="#"><u>Terrestrial Radionavigation and RF-Positioning</u></a>
D6	<a href="#"><u>Robotic Positioning, Navigation, Control, and Sensor Technology</u></a>