

Conference Venue

Hangzhou is the capital and the largest city of Zhejiang Province in Eastern China, located at the south-central portion of the Yangtze River Delta. Hangzhou is renowned for its natural beauty and historic relics. It is one of the most



scenic and comfortable cities. There is a Chinese saying, "Heaven Above, Suzhou and Hangzhou Below". The West Lake is the city's best-known attraction. Adjacent to the lake is a scenic area, surrounded by historical pagodas, cultural sites, as well as the natural beauties. Around the lake and hills locates the famous and fascinating "10 Scenic Spots in West Lake". It's also a UNESCO World Heritage Site. The world's largest tidal bore races up the Qiantang River through Hangzhou, reaching up to 40 ft (12 m) in height.



Hangzhou is listed as one of the seven ancient capitals of China. It is eulogized by lots of the most celebrated poets and literati in history. Numerous foreigners and missionaries left their footprints here and many pagodas,

mosques and churches still remain standing there. The famous 13th century's Venetian merchant and traveler Marco Polo said that the city was "greater than any in the world". Lots of religious buildings are scattered in the city. Lingyin Temple is the oldest Buddhist temple in the city. Along with the Fenghuang Temple, The Immaculate Conception Cathedral of Hangzhou is among the oldest mosques or Catholic churches in China.

The famous Hangzhou's local cuisine is claimed as one of China's eight fundamental cuisines, prepared in this style to be "fresh, tender, soft, and smooth, with a mellow fragrance".

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IET International Radar Conference 2015

14-16 October 2015, Hangzhou, China

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National Key Laboratory of Science and Technology on Test Physics & Numerical

IET International Radar Conference 2015

About the event

IET International Radar Conference 2015 will be held on 14-16 October 2015 in Hangzhou, China. This is the third IET International Radar Conference series in China after the first two successful conferences held in April 2009, Guilin and April 2013, Xi'an, respectively. The conference aims to introduce the latest technological development and academic research hot issues of the radar technology, especially the latest researches and applications of civilian radar technology. It will provide a platform for radar experts and technicians to exchange ideas and achievements. Templates and submission instructions are available at website: www.ietradar.org. All accepted papers will be published in the conference proceedings and be submitted to IET Inspec and IEEE Xplore. After the conference, the papers will be submitted for EI Compendex. Excellent papers selected by the conference will be recommended for publication in *Science in China Series F Information Sciences* (Sci China F).

Technical Programme and Scope

The conference will consist of several parallel sessions to provide the program with breadth and depth by plenary talks, tutorials, oral and poster presentations, and commercial exhibitions, along with some special technical sessions. Contributions are encouraged from, but not limited to, the following topics:

Radar Systems

- Airborne Radar
- Spaceborne Radar
- Naval and Coastal Surveillance Radar
- Low Frequency Radar
- Bi-static/Multi-static/Netted Radar
- Distributed Radar/MIMO Radar
- Weather Radar
- Automotive Radar/Automatic Cruise Radar
- Ground Penetrating/Thru-wall Detection Radar
- Environment/Atmospheric/Geophysical Sensing Radar
- Bio-medical Imaging Radar

Advanced RF and Antenna Technologies

- T/R Module Technology
- Antenna Design, Measurement and Calibration
- EBG/PBG New Material
- Ultra Wideband Antenna and System
- Adaptive and Smart Antenna Array
- Conformal Antenna Array
- Radar Receiver/Transmitter
- Frequency Synthesizer

Radar Signal and Data Processing

- Waveform Design and Optimization
- Digital Beamforming
- Space Time Adaptive Processing
- Target Detection and Tracking
- Target Identification and Recognition

- Data Fusion and Information Fusion
- High-speed Real-time Signal Processing
- Interference Suppression and Anti-Jamming
- Advanced Signal Processing Algorithms

SAR and ISAR

- Spaceborne/Airborne SAR
- Bi-static and Multi-static SAR/ISAR
- Ground-based SAR/D-InSAR
- SAR Polarimetry and Interferometry
- SAR/ISAR Modeling and Simulation
- Ultra Wideband SAR
- MIMO-SAR
- Multi-channel/Multi-frame SAR
- SAR Ground Moving Target Indication/Change Detection
- SAR/ISAR Information Extraction

Target and Environment Characteristics

- Target RCS Simulation, Measurement and Analysis
- Clutter Signature Modeling and Simulation
- Foliage/Building Penetration
- ECM/ECCM
- Ocean/Terrain/Building Scattering Modeling and Simulation
- Ionosphere Propagation Effects

Emerging Technology

- Laser Radar/Laser SAR
- Geosynchronous Earth Orbit SAR/D-InSAR
- Compressive Sensing Radar
- Tera-Hertz Technology
- Cognitive Radar
- Radar Vision

Important Dates

Paper Submission Deadline:	31 March 2015
Paper Acceptance Notification:	30 April 2015
Camera-ready Paper Submission:	31 May 2015
Conference Date:	14-16 October 2015

Submit papers at www.ietradar.org