

“International Radar Symposium” IRS 2009 in Hamburg, Germany, 09-11 September 2009

Conference Report by Professor Dr. Hermann Rohling, Symposium Chairman

Hamburg is the city where Heinrich Hertz was born on February 22, 1857. This was a good reason to invite the international radar society to Hamburg for the IRS 2009 radar symposium. The conference was organized from the 9th to the 11th of September 2009 at the Crowne Plaza hotel in the city centre.



The International Radar Symposia, starting in Munich (IRS 98), followed by the Symposia in Berlin (2000) and Bonn (2002), Dresden (2003), Warsaw (2004), Berlin (2005), Krakow (2006), Cologne (2007) and Wroclaw (2008) have become in many respects a very successful series of International Radar conferences organized and chaired by Prof. Dr. Hermann Rohling from the Technical University Hamburg-Harburg, rohling@tu-harburg.de.

In total 195 participants from 28 different countries all over the world attended this international radar conference. We are very pleased that around 55% of all participants came from foreign countries with strong delegations from Poland, Italy, Bulgaria, Japan, UK, Russia, France, USA, China, Austria, The Netherlands, Spain, Ukraine, Mexico, Iran, Australia, Canada, Slovakia, Czech Republic, Sweden, Norway, Finland, India, Brazil, and Algeria. Many of the participants travelled quite a long way to attend the IRS 2009 in Hamburg.



For us it is also important to notice that many young scientists joined the radar conference and presented their interesting research results in verbal sessions or interactive presentations. In total around 120 papers have been presented in 27 technical sessions which were entitled:

- HF Radar System**
- Spaceborne Radar**
- Detection**
- Automotive Radar**
- Computer Modelling**
- Passive Radar**
- Radar Waveform**
- Multistatic Radar**
- Security**
- Airborne AESA Radar**
- Weather Radar**
- Radar Sub-Systems**
- Signal Processing**
- Adaptive Array Processing**
- Polarisation**
- GMTI**
- Target Recognition**
- Measurements**
- Radar Applications**
- Target Estimation**
- Data Fusion**
- Waveform Analysis**
- mm-Wave Radar**

IRS 2009 was an outstanding international radar symposium where the organisers and all participants gained important experiences.

This resulted from the fact that the subjects of the presentations were very well distributed over the complete area of radar research. Not only classical radar topics like CFAR, tracking and SAR were examined. Also special radar systems in different environments, from ground, over sea and air to space, and in different sizes, from automotive radars of credit card size to huge ground based radars were introduced. The technical contributions were of high quality and it was an ideal place for meetings and discussions.

One of the highlights of the symposium programme was an excursion to Airbus in Hamburg-Finkenwerder where all the A320 and A380 aircrafts are manufactured. That was an impressive excursion for all participants. I would like to thank Airbus and especially Dr. Scherer and Mrs. Silke Feldtmann for this outstanding invitation.



Many thanks to Armin Dunstheimer for all his excellent organisation and support of IRS 2009, also to all chairpersons of IRS 2009 for their support and a special thank to all sponsors which supported this IRS 2009 event, especially:

- EADS, Ulm
- THALES, Stuttgart
- SAM Electronics, Hamburg
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- ATLAS ELEKTRONIK, Bremen
- Volkswagen, Wolfsburg
- Helzel Messtechnik, Kaltenkirchen
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- DFG, Bonn
- Diehl BGT Defence, Überlingen
- MBDA, Munich
- Technical University Hamburg-Harburg

- DLR, Oberpfaffenhofen
- FGAN, Werthofen
- ITG, Frankfurt



The next IRS radar conference will be organised in Vilnius, the capital city of Lithuania, from the 16th -18th of June 2010.



Everyone from the worldwide radar family is cordially invited to attend this conference. Points of contact are:

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IRS 2009 Photo Gallery:
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