

A Successful EW Conference in India

The Second International Conference on Electronic Warfare – **EWCI 2012** held during 21-24 February 2012, concluded on a very successful note at National Science seminar Complex, IISc, Bangalore. The Conference organised by the India Chapter of the Association of Old



Dignitaries on Dais during Inaugural Function

Crows with active Support from Defence Research and Development Organisation (DRDO), India and Bharat Electronics Limited (BEL), Bangalore, assumed high proportions, both technically and

commercially, as it was attended by more than 400 delegates from India and abroad. The accompanying Technical Exhibition was also highly impressive with over 80 booths exhibiting EW Products from EW organisations across the globe.

The Conference and the Exhibition was inaugurated with a glittering Inaugural function in the morning of 22 February 2012 in the presence of Senior Dignitaries from



A View of EWCI 2012 Technical Exhibition

DRDO, Integrated Defence Staff Committee and BEL. The Keynote and Theme talks during the inauguration set the ball rolling for the 20 Sessions Conference including a Plenary Session and five Invited Talks from eminent personalities in the field of EW and Information Operations.

The Pre-Conference Tutorials on 21 February 2012 was also well attended with about 200 delegates. They were intense with deep technical contents.



The Tutorial covered the following topics:

- Tutorial 1 : Radio Frequency Shared Apertures and Multifunctional Systems
By Dr Andrea De Martino, Elettronica, Italy
- Tutorial 2 : Systems for Information and Cyber Warfare
By Mr Davide Cannone & Mr Sergio Tortora, Elettronica, Italy
- Tutorial 3 : Airborne Self Protection Suite (SPS) and DIRCM
By Mr JM Pascual and Mr Pedro Osma, INDRA, Spain
- Tutorial 4 : EW and Radar Threat Simulators, Testing & Evaluation
By Mr Walter Schulte, Agilent Technologies, USA

In the Plenary Session, Dr Shreehari Rao from DRDO explained how EMS needs to be exploited for Indian EW, while Lt Col (Ret) Walter Wolf, Former President, AOC US, talked about trends in EW Technology in complex Operational Environment. Mr I V Sarma gave an industry perspective of latest developments in the field of EW in India. The papers presented in the next nineteen Technical Sessions held in parallel in three halls, were categorised into



following areas:

- ELECTRONIC ATTACK AND HIGH POWER TRANSMITTERS
- NETWORK CENTRIC AND INFORMATION WARFARE
- EW RECEIVERS AND RF SUB SYSTEMS
- SELF PROTECTION SUITES AND JAMMERS
- EW/EO THREAT STIMULATORS AND EW TESTING/EVALUATION-I
- COMMUNICATION EW
- EW ANTENNAS & ACTIVE PHASED ARRAY SYSTEMS
- EW SIGNAL PROCESSORS AND DIGITAL RECEIVERS
- EW SYSTEMS INSTALLTION MAINTENANCE, SW ENGINEERING AND MODELLING/ SIMULATION
- ESM/ELINT AND EO BASED EW SYSTEMS

The 81 papers presented including 25 papers from abroad were appreciated by the delegates to have extensive technical contents and useful in their professional career. The hardcopy as well as the soft copy of the Conference Proceedings containing all the papers presented in the Conference is seen as an up-to-date compilation of the recent trends and developments in the field of EW and IO. A souvenir was released on the occasion contains abstracts of the technical papers as well as a directory of the Exhibitors in the Conference forming an important source of contacts for EW Products.



The Conference Dinner on 22 February 2012 was preceded by an exotic cultural programme that provided a highly refreshing and unique experience to the participants. The Conference had a final session in the form of a Panel Discussion. The panelists from AOC, DRDO and BEL had fruitful interactions with the delegates, which are expected to pave way for a future roadmap for the developments in the field of EW in India.



The EWCI 2012 Conference highlighted the need of EW Professionals to get together for the collective progress of the field of

EW and inevitability of collaborative development. The relevance of AOC towards this cause and the role of the India Chapter of AOC as a facilitator and coordinator for the EW organisations in this part of the world appeared vindicated during the Conference. Dr U K

Revankar, Chair of the Conference and incumbent president of AOC, India Chapter, holds the opinion that the immense success of EWCI 2010 and EWCI 2012 Conferences gives the strength and motivation for continuing with the series with even greater enthusiasm.

