

Content of the Seminars

This series of seminars is informative for experts and decision makers in the field of radio reconnaissance, direction finding and information fusion in the fields of:

- Military users: army, air force, navy, security
- Intelligence offices
- Regulation authorities
- Homeland security

Each seminar focuses on a specific topic, particularly regarding customer aspects, for example: application fields and special needs. A theory section provides technical background knowledge, special aspects of the topic, and a system demonstration.

The seminars are held by experts whose focus is the user's point of view.

Automated Strategic Radio Intelligence & Reconnaissance

This seminar shows the chances and benefits of automation in wideband radio reconnaissance scenarios.

Detailed information on wideband technologies, detection and classification of emitters is given in the first part of the seminar. The second part deals with the automation of processing in the complete processing chain from the radio signal acquisition down to the decoded content. Challenges and solutions of demodulators, decoders and the processing of signals from other sensors are presented.

Compact and Tactical Radio Reconnaissance

This seminar focuses on tactical radio reconnaissance systems.

Wideband acquisition and direction finding are presented in detail. Our platform independent software concept is introduced in the first part of the seminar. The second part deals with challenges and solutions for special compact systems for mobile and miniaturized requirements. A special issue treats warning and panorama receivers.

Technical Signal Analysis

Chances and benefits of the technical analysis of different radio signals are in the focus of this seminar. We present workplace solutions facilitating the signal specialist's work as well as the roles and tasks of operators and specialists. A detailed discussion of the signal classification theory follows, e. g. decoding and demodulation of signals.

The second part deals with the treatment of special signals, e.g. the analysis of speech signals in order to extract their content, speaker identification, etc. The advantages of automation in these processes are discussed.

Information and Intelligence Fusion

Subject of this seminar is how information fusion systems are used, e. g. in fusion centres. In the first part of the seminar, we explain the intelligence cycle and present associated workflows within a system, the needed IT infrastructure, and the data models used.

The second part addresses the business process management system as well as special aspects of an information fusion system, e. g. relationship analysis and geo information systems. An important issue is the planning and projecting of a huge integrated system.

Every seminar contains with an in-depth demonstration of a working system.

Location



Berlin

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Other Information

The seminars start at 13:30 and end at 12:00 next day. They can be booked on a daily basis, net prices

1 day - 750€, 2 days - 1.280€, 3 days - 1.680€, 4 days - 1.980€

Payment is due on receipt of invoice. There is no liability in performing the event. Paid fees are reimbursed only in case the seminar takes not place.

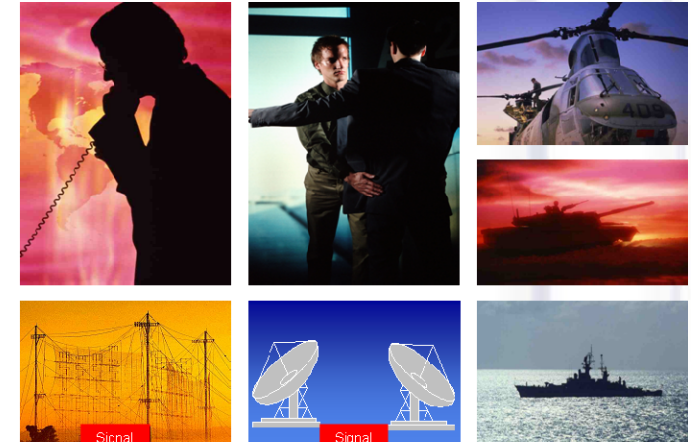
The number of participants is limited

Contact

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MEDAV Seminars

Radio Monitoring, Strategic and Tactical Reconnaissance Systems, Automated Processing and Information Fusion



This series of seminars addresses decision makers and technical experts in the field of reconnaissance and information processing.

Location:

Radisson Blu Hotel, Berlin

from June, 27 to July, 1 2011

Program

Automated Strategic Radio Intelligence and Reconnaissance

Monday, June 27

- 13:30-14:15 Overview and Needs in Reconnaissance Scenarios
Focus: Strategic Applications, COMINT
- 14:15-15:00 Wideband Acquisition Technology for HF, VUHF
- 15:30-16:15 Emitter Detection (Single Channel, Multi Channel)
- 16:15-17:00 Demonstration Automation Product ARS-8000

Tuesday, June 28

- 08:30-09:15 Classification (Methods, Strategies)
- 09:15-10:00 Automatic Demodulators and Decoders in Non-cooperative Scenarios
- 10:30-11:15 The Complete Chain: from the Antenna to the Report
- 11:15-12:00 Other Sensors (GSM, Thuraya, Inmarsat, VSAT, Iridium)

Compact and Tactical Radio Reconnaissance

Tuesday, June 28

- 13:30-14:15 Overview and Needs in Reconnaissance Scenarios.
Focus: Tactical Applications
- 14:15-15:00 Wideband Acquisition (Online, Recording)
- 15:30-16:15 Direction Finding (Methods, Performance, Solutions)
- 16:15-17:00 Demonstration CRS-8000 and Discussion

Wednesday, June 29

- 08:30-09:15 SDIA Software Defined Intelligence Architecture for Different Platforms
- 09:15-10:00 Off-the-shelf Solutions for Mobile Platforms
- 10:30-11:15 Miniaturized Solutions for Special Platforms
- 11:15-12:00 COMMS/ESM Warning Solutions
Generation of the EOB in real time

Program

Technical Signal Analysis

Wednesday, June 29

- 13:30-14:15 Overview and Needs in Reconnaissance Scenarios
Focus: Analysis and Evaluation
- 14:15-15:00 Workplace for Technical Analysis: Tasks, Roles, Operator Skills
- 15:30-16:15 Theoretical Aspects, Signal Theory, Classification
- 16:15-17:00 Demonstration Technical Signal Analysis with MIRA

Thursday, June 30

- 08:30-09:15 Analysis of Modulated Signals
- 09:15-10:00 Analysis of Speech Content (Keyword)
- 10:30-11:15 Speaker Identification
- 11:15-12:00 Aspects for the Automation of Processes

Information and Intelligence Fusion

Thursday, June 30

- 13:30-14:15 Overview and Needs in Reconnaissance Scenarios
Focus: Fusion Centre, Intelligence Cycle
- 14:15-15:00 Intelligence Fusion: Workflow, Sensor Gateways, Tasking, Acquisition
- 15:30-16:15 IT Infrastructure, Enterprise Service Bus Architecture, Unified Data Model
- 16:15-17:00 Demonstration IFS-8000

Friday, July 1

- 08:30-09:15 Automated File Based Content Processing (Speech, Text, Image)
- 09:15-10:00 Intelligence Process Management System (Workflow Management)
- 10:30-11:15 Relationship Analysis, Geo Information Systems
- 11:15-12:00 Planning of Fusion Projects

Registration Form

Herewith I bindingly register to the MEDAV Seminar Series in Berlin, June/July, 2011.

Please enter your registration data here:

Name:

Organisation:

Address:

Phone:

Mobile:

E-Mail:

Please checkmark your seminars and lunch:

<input type="checkbox"/>	Monday Lunch
<input type="checkbox"/>	Automated Strategic Radio Intelligence & Reconnaissance
<input type="checkbox"/>	Tuesday Lunch
<input type="checkbox"/>	Compact and Tactical Radio Reconnaissance
<input type="checkbox"/>	Wednesday Lunch
<input type="checkbox"/>	Technical Signal Analysis
<input type="checkbox"/>	Thursday Lunch
<input type="checkbox"/>	Information and Intelligence Fusion
<input type="checkbox"/>	Friday Lunch

Please fill in and sign the registration form and send it to
MEDAV GmbH
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Registration becomes valid after payment.

We would like to ask you to care for your **accommodation** on your own. This registration does not include any room reservation.

X

Date, place, signature