

GERMAN ASSOCIATION FOR DEFENCE TECHNOLOGY

CENTER FOR STUDIES AND CONFERENCES

International Conference and Exhibition

Joining and Combining Forces to Face Future Challenges

The German Army Combat Training Centre — Today and Tomorrow



May 15, 2017

German Army Combat Training Centre Schnöggersburg (via Bus-Transfer)

May 16 - 17, 2017

Maritim Hotel Magdeburg | Otto-von-Guericke-Straße 87 | 39104 Magdeburg



Heer

Wir. Dienen. Deutschland.

A Conference of the Center of Studies and Conferences of the German Association for Defence Technology under the auspices of the DEU Army Concepts and Capabilities Development Center

Gold-Sponsor 2017



Silver-Sponsor 2017



The 40 attending Nations of the 2014 Conference





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About the Conference / Topics 2017

The future security challenges of hybrid conflicts which are apparent even today are forcing us to gradually and holistically develop and optimise our military instruments so that we can continue to commit operationally ready forces.

For instance, the Very High Readiness Joint Task Force (VJTF) whose establishment is well under way as a rapidly deployable brigade-size intervention unit within the NATO Response Force, will be led by Germany from 2019; it is one of the key elements enabling us to meet the upcoming challenges and to fulfill our multinational commitments vis-à-vis our allies.

Supported by the German Army Concepts and Capabilities Development Centre as the essential driving force for the further development of land operation concepts, the German Society for Defence Technology's Forum 2017 aims to demonstrate our land forces' potential for capability development by focusing on the possibilities of both the defence industry and military entities.

Within the framework of the future operational environment, the Federal Ministry of Defence's current White Paper provides the bedrock for the levels of ambition for future development such as the 'Strategic Defence Planning Guideline', Vision 2030+, 'Guidelines for the Reorientation of the Bundeswehr', and other political guidelines.

As early as today, our Army Combat Training Centre is the key facility for conducting training and exercises under near operational conditions at the level of reinforced combat battalion or battle group/task force, catering to all tactical activities at any level of intensity in tactical grouping and/or order of battle for land-based operations. With the Army Combat Training Centre System as our prime example, we are going to present and highlight the future-oriented holistic further development of our land forces and thus reach the objective of the Bundeswehr's core process of committing operationally ready forces 'focused on the future'.

With that in mind, the guiding theme of the DWT Forum 2017 is:

**“Joining Forces to Face Future Challenges -
The German Army Combat Training Centre - Today and Tomorrow”**

The conference will focus on:

Concepts and Approaches

- Policy Guidelines - Conclusions
- C2, Reconnaissance, Effects and Support - Consistent further Development
- Military Challenges

Organisation and Operation

- Operation and Support of Mobile System Technology
- Operation and Support of Static System Technology

Technology and Armaments

- NATO Activities of Standardisation
- Comprehensive Networking - Possibilities and Limitations of integrating V and C simulation components
- Simulation Environment ACTC - Effectors

Training and Exercises

- Training Focus: MN Brigade
- Simulation in Support of ACTC Mission Training L-V-C

If your company, organisation or department would like to participate in the symposium as a sponsor or exhibitor, please contact: stephan.bruess@dwt-sgw.de.

Conference Chair / Organisational Committee



Conference Chairman

Major General Reinhard Wolski

Commander, German Army Concepts and Capabilities Development Centre



Conference Co-Chairman

Major General (ret.) Wolfgang Döring

Managing Director

German Association for Defence Technology



Organisational Committee within the DEU Army Concepts and Capabilities Development Centre

Lt. Colonel Mario Brux, DEU Army Concepts and Capabilities Development Centre

Lt. Colonel Herbert Rohde, DEU Army Concepts and Capabilities Development Centre

Organisational Committee within the German Association for Defence Technology

Lt. Colonel (ret.) Wolf Rauchalles, Managing Director

Centre for Studies and Conferences of the German Association for Defence Technology

Stephan Brüß, Director Conference Management

Centre for Studies and Conferences of the German Association for Defence Technology



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●● Programme 2017

Monday, May 15th, 2017

=> Army Combat Training Centre Schnöggersburg <=

- 12:30 Bus-Transfer Maritim Hotel Magdeburg => German Army Combat Training Centre
Individual Transfer exclusively for DEU Forces
- 13:45 Arrival at Army Combat Training Centre, Short Break
- 14:00 Briefing in the Auditorium
- 14:45 Bus-Transfer to Schnöggersburg
- 15:00 Demonstrations at Combat-Training-City Schnöggersburg
- 17:40 Bus-Transfer to the DEU Army Combat Training Centre
- 18:00 Ice-Breaker / Communication / Eat, Drink and Talk in the TRIO-Building
- 21:00 End / Transfer to Maritim Hotel Magdeburg
- 22:30 Latest Arrival at Maritim Hotel Magdeburg



Tuesday, May 16th, 2017

=> Maritim Hotel Magdeburg <=

- 09:00 **Opening of the Conference**
MG (ret.) Wolfgang Döring, Managing Director, DWT
Organisational Remarks
LtCol (ret.) Wolf Rauchalles, Managing Director, SGW
- 09:10 **Introduction**
Major General Reinhard Wolski
Commander, DEU Army Concepts and Capabilities Development Centre (AHE)
- 09:25 **Keynote**
Lieutenant General Jörg Vollmer, Chief of Staff, German Army
- 09:45 **Demands on the Capability Profile of the Military Organization**
Lieutenant General Frank Leidenberger
Commander, Chief of Staff, NATO Headquarters Resolute Support
- 10:00 **German Army Combat Training Centre - even Today the Central Training Facility for Battalion-Size Units for the Conduct of Land Operations**
Major General Johann Langenegger, Commander, German Army Training Command
- 10:30 **Future Challenges for the Bundeswehr**
N.N., Unit Planning, DEU MoD
- 11:00 Coffee Break, Exhibition
- 11:30 **Introductory Speech: Concepts and Approaches**
Colonel (GS) Harvey Günther, AHE
- 11:45 **Introductory Speech: Organisation and Operation**
N.N., AHE
- 12:00 **A concept to integrate the German Army Combat Training Center GUEZ in a Multi-National, Multi-Level, Joint Live Exercise Scenario**
Michael Kriewitz, Rheinmetall Defence Electronics
- 12:30 Luncheon, Exhibition
- 14:00 **Conference Continues with Panel Sessions A / B**
- 17:30 Beer Call | Exhibition
- 18:15 Walking Dinner Reception

Mittwoch, 17. Mai 2017

=> Maritim Hotel Magdeburg <=

- 07:30 Check In Counter open
- 08:00 Opening of the Exhibition | Welcome Coffee
- 08:45 **Introduction in the 2nd Day**
N.N., AHE
- 09:00 **Introductory Speech: Technology and Armaments**
N.N., BAAINBw
- 09:15 **Introductory Speech: Training and Exercises**
Colonel (GS) Andreas Reyer, AHE
- 09:30 **Key-Note Industry**
N.N., Saab
- 10:00 Coffee Break, Exhibition
- 11:00 **Conference Continues with Panel Sessions B / D**
- 15:00 Coffee Break, Exhibition
- 15:30 **The Way Ahead - Focussed on the Future**
Major General Reinhard Wolski,
Commander, DEU Army Concepts and Capabilities Development Centre (AHE)
- 16:00 **Closing Remarks**
Major General (ret.) Wolfgang Döring, Managing Director, German Association for Defence Technology
- 16:15 End of Conference



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Panel Sessions on May 16th

Panel A1

C2 – Consistent Further Development

Panel Chair: **LtCol (GS) Guido Altendorf**

- 14:00 **Target-Capability-Profile 2025+ in the C2 Domains**
N.N., N.N.
- 14:25 **Multinational Requirements / Framework Conditions**
N.N., N.N.
- 14:50 **Cyber Defence and Intelligence**
N.N., N.N.
- 15:15 **Coffee Break, Exhibition**
- 16:15 **C-IED – Potentials and Further Development**
Markus Lischka M.A., AHE, C-IED Department
- 16:40 **Comprehensive Networking**
N.N., N.N.
- 17:05 Discussion

Panel A2

Urban Combat

Panel Chair: **LtCol (GS) Frank Lindstedt**

- 14:00 **Infantry in Urban Operations**
N.N., AHE
- 14:25 **Armoured Infantry in Urban Operations**
N.N., AHE
- 14:50 **Effectors for Tank-Groups in Urban Areas**
Oliver Dellschau, MBDA Missile Systems
- 15:15 **Coffee Break, Exhibition**
- 16:15 **Tactical Communication with Ear Protection, Comtac XPI and Comtac PTT**
N.N., 3M
- 16:40 **Ballistic Helmets in 2017, Best Practice US Forces, ECH and SPS Helmet Programme**
N.N., 3M/Schubert
- 17:05 Discussion

Panel B1

Operation and Support of Mobile System Technology

Panel Chair: **LtCol (GS) Marco Serr**

- 14:00 **Consequences of the Target Capability Profile 2025+**
N.N., N.N.
- 14:25 **Essentially Requirements for MN Live Training**
N.N., N.N.
- 14:50 **Development of the Organizational Structure**
N.N., N.N.
- 15:15 **Coffee Break, Exhibition**
- 16:15 **Prerequisites for the Logistic Support of Exercises at Brigade Level**
N.N., N.N.
- 16:40 **Providing Links for the possible Integration of other Training Areas**
N.N., N.N.
- 17:05 Discussion

Panel B2

Operation and Support of Static System Technology

Panel Chair: *N.N.*

- 14:00 **C2 and Command Post Systems | Organisational Requirements for Conducting Exercises of Multinational Brigades at the Army Combat Training Centre**
N.N., N.N.
- 14:25 **Role of the Bw Service Centre for the Operation of Infrastructure**
N.N., N.N.
- 14:50 **Topic tbd**
N.N., N.N.
- 15:15 **Coffee Break, Exhibition**
- 16:15 **Intelligence - Tactical Solutions for Communications**
N.N., N.N.
- 16:40 **Creating the Conditions for Aerial Target Presentations, involving UAV, Fixed-Wing and Rotary-Wing Aircraft**
N.N., N.N.
- 17:05 Discussion



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Panel Sessions on May 17th

Panel C1

NATO - Activities of Standardisation

- Panel Chair: *N.N.*
- 11:00 **Industrial Standards as Prerequisite for Multinational Training Scenarios**
Armin Thinnies, BAAINBw U6.2
- 11:25 **Interface-Architectures in the Live Simulation UCATT**
Armin Thinnies, BAAINBw U6.2
- 11:50 **The use of standards and live simulation in international exercises**
Cpt. B. A. Sander Cruiming, RNA, NLD
- 12:15 **Luncheon, Exhibition**
- 13:45 **UCATT E8 – The LVC Interface for future Live Simulation Exercises**
Dr. Uwe Dobrindt, RDE
- 14:10 **Geo-Enabled Future Forces at the Core of a Virtual-Interactive-Real-Time Reality**
N.N., Esri

Panel C2

Chances and Limitations of Simulation Components

- Panel Chair: *LtCol Karl Roschei*
- 11:00 **Coupling Live/Virtual/Constructive Simulation and C2**
N.N., IABG
- 11:25 **Networked Simulation – Coupling the Virtual with the real World**
N.N., ESG
- 11:50 **Chances and Limitations of the V-C-World**
N.N., AHE I 1 (3)
- 12:15 **Luncheon, Exhibition**
- 13:45 **UAV – Live, Virtual, Constructive**
N.N., BAAINBw
- 14:10 **Automated Generation of Geospecific 3D Data Bases and their use in Simulation**
Dr. Joachim Schauß, KMW
- 14:35 Discussion

Panel C3

Simulation Environment ACTC, Weapon Effect

- Panel Chair: *LtCol Peter Makowski*
- 11:00 **The Future EXCON for Multi-National, Multi-Level, Distributed Live Exercises**
Patrick Galler, RDE
- 11:25 **Integration of ECM Protective Equipment**
N.N., N.N.
- 11:50 **Potential and Resulting Requirements by Incorporating Missile Systems in Simulation Systems**
Jochen Dehner, Martin Bührle, MBDA Missile Systems
- 12:15 **Luncheon, Exhibition**
- 13:45 **Integration of the AirBurst Ammunition Capability**
Ernst Christian, RDE
- 14:10 **Old and new Challenges in the Close-Up Airspace**
Alexander Burger, RAD
- 14:35 Discussion

Panel D1

The Multinational Brigade in the Focus of Training

- Panel Chair: *LtCol (GS) Jörg Jobmann*
- 11:00 **Combat Support and Combat Service in Hybrid Conflicts / Threats**
N.N., N.N.
- 11:25 **NGVA-based Mission Systems for the Networked Platforms in the Battlefield of the Future**
Dr. Thomas Weise, Rheinmetall AG
- 11:50 **Integration of Medical Requirements in a Training System for the DEU Army Combat Centre**
LtCol (Med) Dr. Katja Lahm, Bundeswehr Joint Medical Service
- 12:15 **Luncheon, Exhibition**
- 13:45 **Einbinden PiUstg, Logistik und Sanität**
N.N., III 3
- 14:10 **Einbinden STF, ABC und FlgAbw**
N.N., N.N.
- 14:35 Discussion

Panel D2

Topic tbd

- Panel Chair: *N.N.*
- 11:00 **Training Options in the DEU Army Combat Training Centre**
N.N., N.N.
- 11:25 **Integration of Aircrafts in the Battlefield**
N.N., N.N.
- 11:50 **Nammo's training solutions - Ammunition, Concept, Reduced Reach**
N.N., Nammo Schönbeck
- 12:15 **Luncheon, Exhibition**
- 13:45 **The Future Electronic Warfare of the Army - Challenges for Training and Exercises**
Berthold Rehbein, Fraunhofer FKIE
- 14:10 **Luftbeweglichkeit von Landstreitkräften**
N.N., Abt II
- 14:35 Discussion



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● Pictures of the 2014 Conference



In 2014, 357 Delegates from 40 countries took part in the 2nd International Urban Operations Conference.



As Commander of the DEU Army Concepts and Capability Centre, Major General Erhard Drews (now retired) chaired the Conference in 2014.



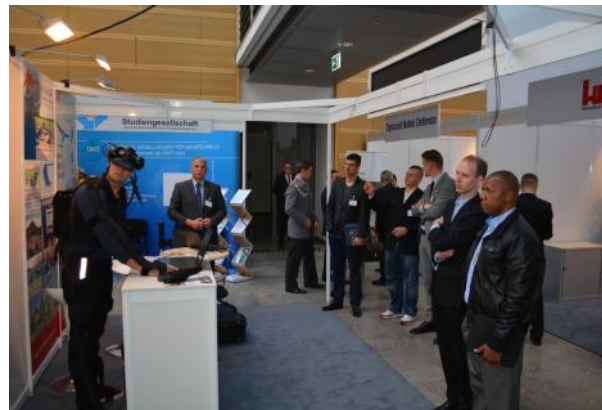
One of the 2014 Key Note Speakers: Brigadier General (Res.) Rami Ben Efraim, Vice President Business Strategy, Air & C4ISR Systems Division of RAFAEL Advanced Defense Systems, Israel



Demonstrations and new contacts during the conference breaks. In 2014, 30 Sponsors and Exhibitors supported the conference.



One of the 2014 Key Note Speakers: Brigadier Bob Bruce, Director Combat, Army HQ, Ministry of Defence, UK.



Capability Demonstration in the exhibition area.



Auditorium at a Plenary Session 2014.



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Terms and Conditions for Visitors

The conference is open for members of the armed forces, police forces, the civil services, the parliaments and ministries, embassies, academia and business. The conference rates are as follows:

A) Armed Forces, Police, Authorities, THW, Diplomatic, Parliament, Press¹:	0,00 €
B) Research, University, Institutions, others:	220,00 €
C) Industries:	985,00 € (both days), 565,00 € (1 st day only), 500,00 € (2 nd day only)

The Conference rate includes:

	Attendance	Ice-Breaker / 2x Lunch / Dinner	Drinks	Conference-CD
Category A)	0,00 €	16,81 € each or 42,02 € Catering-Package (optional)	0,00 €	40,00 € (optional)
Category B)	220,00 €	0,00 €	0,00 €	40,00 € (optional)
Category C)	500,00 € / 565,00 € / 985,00 €	0,00 €	0,00 €	0,00 €

Prices do not include GE taxes (+19% VAT) and costs for travelling and accommodation.

¹ Authorities / Categories A.) as mentioned are i.e. Armed Forces, Police, THW, Fire Brigades, Embassies, Security Authorities, Ministries, Parliaments. If you are not sure about your status, please contact our organisation office in forefront of your registration.

Terms and Conditions for Sponsors

Bronze-Sponsoring | 7.850,00 €

12 m² Booth incl. "Option C"
4 Included Tickets

Guaranteed Speaker Slot in a Panel-Session
Company Logo at the first page of the invitation

Silver-Sponsoring | 18.470,00 €

20 m² Booth incl. "Option D"
6 Included Tickets

Guaranteed Speaker Slot in a Main- and Panel-Session
Company Logo at the first page of the invitation

Gold-Sponsoring | 26.900,00 €

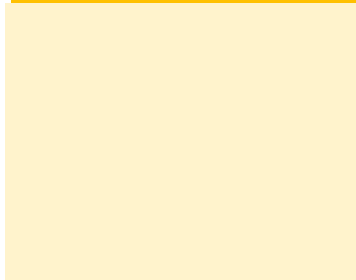
30 m² Booth incl. "Option D"
10 Included Tickets

Key Note Industry in the Main Programme, Your own Panel Session
VIP-Dinner or VIP-Luncheon or VIP-Pub-Evening
Company Logo at the first page of the invitation

Terms and Conditions for Exhibitors

Option A

Exhibiton Space
300,- Euro per m²



Option A includes:

- Stand in the Size and Position of your Choice
- 1 Ticket per 6 m² booked Space
- 20% Discount for additional Tickets
- Security Charge
- Inserts for the Visitor Information
- Electricity (up to two 3-socket Connectors)

Option B

Octanorm-System Booth
370,- Euro per m²



Option B includes:

- Option A
- Octanorm System Stand
- Carpet Expo Rips Grey
- Booth Ceaning at Night

Option C

System-Booth, Furniture, Branding
450,- Euro per m²

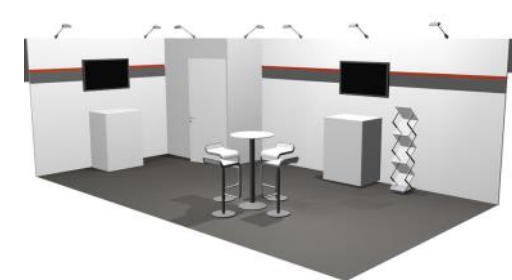


Option C includes:

- Option B
- Illumination of the Booth
- Front-Banner with your Logo 200 x 50 cm
- Furniture as required
- Sideboard, Counter, Brochure Stand
- Lockable Storage Area (if Needed)
- Choose the Colour of your Carpet

Option D

Individual Booth Concept
550,- Euro per m²



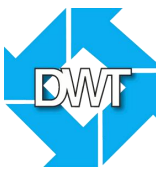
Option D includes:

- Option C
- Premium-Booth Building, i.e.:
 - Smooth Wood-Construction
 - Printed Stretchframe-System
 - Traverse Construction
- Presentation Technology (TV, Beamer, ...)
- Graphics at the Booth



Joining and Combining Forces to Face Future Challenges

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Re-Fax to **+49-228-41098-19**

...or Online at www.dwt-sgw.de...

I/We take part in the Conference "Joining and Combining Forces to Face Future Challenges" as mentioned below.

Free **cancellation for attendees** until May 05, 2017, after this date conference fee is due in full. A substitute attendee can be nominated at any time.

Exhibitors can cancel booked stands free until February 10, 2017. Cancellation fee February 10 to March 17, 2017: 50%. Cancellations later than March 17, 2017: exhibition fee is due in full.

- Visitors**
- Armed Forces, Police, Authorities, Diplomatic, Press 0,- €¹
 - Exhibitor included Ticket 0,- €
 - Exhibitor additional Ticket 788,- €
 - Industry both days (incl. CD) 985,- €
 - Industry 1st day only (incl. CD) 565,- €
 - Industry 2nd day only (incl. CD) 500,- €
 - Industry (Speaker, incl. CD) 492,- €
 - Research, Students, University, Institutions, others 220,- €
 - Research, Students, University, Institutions (Speaker) 110,- €

Options 15.05.2017

- Combat-Center-Demonstration
- Ice-Breaker-Reception
- Bus-Transfer Hotel => Demo => Hotel

Optional: Catering for Armed Forces, Police, ...

- Catering-Package for all Caterings 42,02 €
- Catering: Ice-Breaker May 15th 16,81 €
- Catering: Lunch May 16th 16,81 €
- Catering: Dinner May 16th 16,81 €
- Catering: Lunch May 17th 16,81 €

Options 16.05.2017

- Main Programme
 - Panel _____
- Luncheon
- Dinner Reception

Options 17.05.2017

- Main Programme
 - Panel _____
- Luncheon



Please register online, if you want to pay via credit card (AMEX, Master Card, VISA).

+++ please sign up online +++ it takes just 2 minutes +++ confirmations exclusively for online registrations +++

- Exhibitors**
- Gold-Sponsoring 26.900,- €
 - Silver-Sponsoring 18.470,- €
 - Bronze-Sponsoring 7.850,- €

	Option A	Option B	Option C	Option D
6 m² Stand	<input type="checkbox"/> 1.800,- €	<input type="checkbox"/> 2.220,- €	<input type="checkbox"/> 2.700,- €	<input type="checkbox"/> 3.300,- €
12 m² Stand	<input type="checkbox"/> 3.600,- €	<input type="checkbox"/> 4.440,- €	<input type="checkbox"/> 5.400,- €	<input type="checkbox"/> 6.600,- €
20 m² Stand	<input type="checkbox"/> 6.000,- €	<input type="checkbox"/> 7.400,- €	<input type="checkbox"/> 9.000,- €	<input type="checkbox"/> 11.000,- €
_____ m² Stand	<input type="checkbox"/> _____	<input type="checkbox"/> _____	<input type="checkbox"/> _____	<input type="checkbox"/> _____

Info-CD with all lectures and available information

- Conference CD for authorities/research 40,- €
- Conference CD for Industries (**not** attending) 90,- €
- Conference CD for Industries (attending) 0,- €

Institution / Company

Rank / Title / Given Name/ NAME

Address

City / Date / Signature / Stamp

Phone / Fax

E-Mail (mandatory)

Invoice Address (if different)

Important Notes:

- With your accreditation you agree to the storage of your data for events of the GE Association for Defence Technology - Centre for Studies and Conferences according to GE law.
- All prices subject to German VAT.

¹ Free attendance to be verified by the organizer. Authorities are i.e. Armed Forces, Police, THW, Fire Brigades, Embassies, Security Authorities, Ministries, Parliaments. If you are not sure about your status, please contact our organisation office in forefront of your registration.

Liability:

In case of cancellation for any reasons, registered participants and exhibitors will be notified immediately and any participation and exhibition fees will be reimbursed. In this regard, the liability of SGW shall be limited to the participation and exhibition fees.

Organisation:

Studiengesellschaft der Deutschen Gesellschaft für Wehrtechnik mbH, Hochstadenring 50, 53119 Bonn, www.dwt-sgw.de, Managing Director: LtCol (ret.) Wolf Rauchalles, Tel.: +49-228-41098-0, Fax: +49-228-41098-19, info@dwt-sgw.de; Bank: Sparkasse KölnBonn, BIC: COLSDE33, IBAN: DE36 3705 0198 0053 0033 80, VAT Nr.: DE 189 475 986, HRB 7692, AG Bonn.