

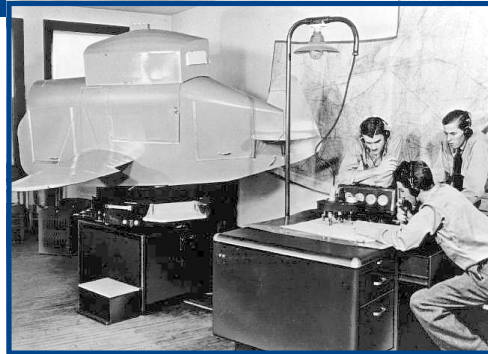
# Studiengesellschaft

der DEUTSCHEN GESELLSCHAFT FÜR WEHRTECHNIK mbH

Centre for Studies and Conferences  
of the GERMAN ASSOCIATION FOR DEFENCE TECHNOLOGY Inc.

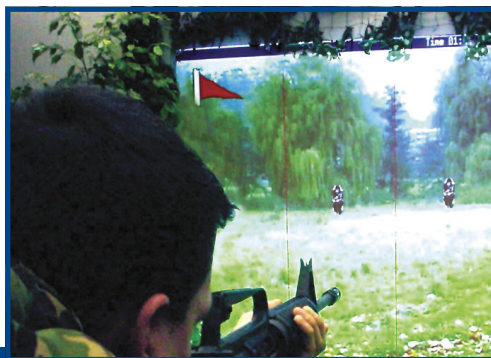
## Forum Modelling and Simulation

2010: Basis and Chance for Future Armed Forces Capabilities



**1929 - 2009**

*80 Years of Modelling and Simulation*

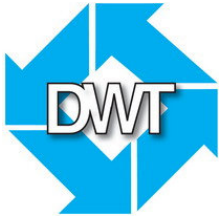


**March 10<sup>th</sup>/11<sup>th</sup>, 2010**

Federal City of Bonn  
City Hall of Bonn-Bad Godesberg  
Koblenzer Straße 80

An Event of the Centre of Studies and Conferences of the DWT  
Status: January 28<sup>th</sup>, 2010





## Forum Modelling and Simulation

2010: Fundament and Chance for Projected Capabilities of the Armed Forces

### ● Capability Building and Improvement

Modelling and Simulation (M&S) supports all capability areas of the Bundeswehr such improving the complete capability profile – Command and Control, ISR, Mobility, Weapons Effectiveness, Endurance and Support, Survivability and Protection. Beside of M&S, “Concept Development and Experimentation (CD&E)” and “Operations Research (OR)” are well established instruments in the Bundeswehr. M&S is capable by itself or in the framework of CD&E and/or OR to support the improvement of prognostic capabilities, recognize innovation potentials in an early state and make them available at calculable costs and risks for use in the realization of tasks of the Bundeswehr.

These methods are supported by a network of simulated and real systems, not only resulting in close to reality training and mission oriented preparation of operations, but it is also the decisive testbed for technical research and experiments. Thus, besides of operational procedures and “Human Factors” multiple technological requirements may be tested and their impact on military operations can be pointed out and evaluated. Requirements in building and improving capabilities can be deduced in a general or in a specific way. The conference will present learned lessons as well as future perspectives and chances for the realization of projects and developments with the perspective to sharpen the profile of the Bundeswehr.

### ● The Conference Chairmen

The DWT/SGW stands in a close dialogue with the armed forces. The topics and speakers are determined in cooperation with the conference chairmen. This conference is chaired by:

**Brigadier General Erich Pfeffer**, Head of Branch FÜ S VI, MoD, Bonn and

**Brigadier General Klaus F. Veit**, Vice President, Federal Office of the Bundeswehr for Information Management and Information Technology.

### ● About the Conference

The conferences of the Studiengesellschaft der DWT mbH are a neutral platform for the dialogue between the German Armed Forces, the economy, officialdom, associations, science and politics.

They provide a facility for garnering and passing on information through lectures, presenting applications, products and services, exhibitions and integrating important contacts.

The lecture durations and breaks are scheduled so as to allow adequate time for discussion and one-to-one exchanges of ideas, as well as for visiting the accompanying exhibition.

### ● Conditions for Visitors

The conference addresses members of the armed forces, public services, parliaments and ministries, embassies, universities and industries. The conference rates are:

Responsible Authorities:	free of charge (subject to verification by SGW)
Armed Forces, Authorities:	25,- Euro*
Embassies, Institutions, Others:	75,- Euro
Industries:	895,- Euro (both days), 510,- Euro (1st day), 450,- Euro (2nd day)

The conference fee includes lunches and dinner\*, refreshments and detailed conference materials. You may substitute a delegate at any time.

A CD with all lectures can be ordered for 90,- Euro. Armed Forces, Authorities and Embassies receive a discounted price of 40,- Euro. Industry visitors of the conference receive the CD for free. We strongly recommend the use of public transports to the conference centre.

**Liability:** SGW shall assume no liability whatsoever in the event this conference is cancelled, rescheduled or postponed due to a fortuitous event, Act of God, unforeseen occurrence or any other event that renders performance of this conference impracticable or impossible. SGW will exclusively recompense paid rates of visitors.

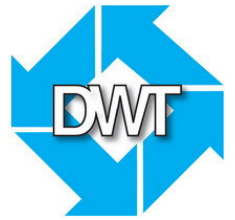
\* For visitors from responsible authorities and armed forces, lunch (à 10,- Euro) and dinner (15,- Euro) is **not included**. It can be ordered on the registration form.

### ● Conditions for Exhibitors

Exhibition stands will be available for this conference. If your institution is interested in the exhibition, please contact [stephan.bruess@dwt-sgw.de](mailto:stephan.bruess@dwt-sgw.de) / 0228 41098-12.

# Forum Modelling and Simulation

2010: Fundament and Chance for Projected Capabilities of the Armed Forces

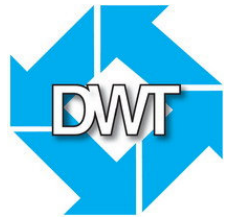


## The Programme

Nr.	Wednesday, March 10, 2010	Thursday, March 11, 2010	Nr.
0	09:00 <b>Opening of the Conference</b> <b>General (ret.) Rainer Schuwirth</b> , Chairman, DWT e.V. <b>Organisational Remarks</b> <b>Lt. Colonel (ret.) Wolf Rauchalles</b> , Managing Director, SGW mbH	08:30 <b>Systems for the Operation Focussed Training of the Air Defence Operations Center</b> <b>Dr. Klaus Reinhard</b> , e.sigma Systems Inc.	11
1	09:10 <b>Introduction by the Conference Chairmen</b> <b>Brigadier General Erich Pfeffer</b> and <b>Brigadier General Klaus F. Veit</b>	09:00 <b>Missile Hardware-In-the-Loop Simulation: Tools, Advantages and Compromises</b> <b>Siegfried Groß</b> , Diehl BGT Defence Inc.	12
2	09:30 <b>Modelling and Simulation at the Bundeswehr 2010 - Status and Perspectives</b> <b>Colonel (GS) Rolf Karl Barth</b> , Head of Unit III, Centre for Transformation of the Bundeswehr	09:30 <b>Man-In-The-Loop-Simulator – Installation of a Simulator for the Online-Guidance of Missiles by the use of Seeker Head Images</b> <b>Dr. Sina Lohmann</b> , LFK Inc. (MBDA)	13
3	10:00 <b>Simulation and Training Bundeswehr</b> <b>Dr. Jens Woch</b> , Federal Office of the Bundeswehr for Information Management and Information Technology	<b>10:00 Coffee Break, Networking</b>	
4	11:00 <b>System demonstrator Distributed Intergrated Test Environments(SD VIntEL)</b> <b>Oliver Henne</b> , P1.3, Federal Office for Defence Technology and Procurement	10:40 <b>OR-Methods and Simulation as Tools for Decision-support for Logistic Support Operations</b> <b>Dr. Johannes Antweiler</b> , POM Prof. Tempelmeier Inc. <b>Thomas Maucher</b> , CONET Solutions Inc.	14
5	11:30 <b>SD VIntEL - Architecture and Certificates</b> <b>Dr. Ekehard Neugebauer</b> , IABG Inc.	11:10 <b>Simulation platform for the Conception and Validation of Communication Networks of Todays and Future Operation Scenarios</b> <b>Dr. Volker Isbert</b> , Thales Defence Deutschland Inc.	15
6	12:00 <b>ABSEM - Data Farming in SD VIntEL</b> <b>Markus Hölscher</b> , SDSC 4, EADS Germany Inc.	11:40 <b>Verification and Validation of Training-simulations – an experience Report</b> <b>Heike Kißner</b> , szenaris Inc.	16
	<b>12:30 Luncheon, Networking</b>	<b>12:10 Luncheon, Networking</b>	
7	14:00 <b>Training Simulation - Organisation and Realisation</b> <b>Dr. Hubertus Lübbers</b> , U5.5, Federal Office for Defence Technology and Procurement	13:30 <b>Structuring of Complex Simulations by use of DEAs</b> <b>Dr. Stefan Wiese</b> , Rohde & Schwarz Inc.	17
8	14:30 <b>C2-SimProxy</b> <b>Major Thomas Orichel</b> , Federal Office of the Bundeswehr for Information Management and Information Technology	14:00 <b>Decision Support Simulation in the Armed Forces: Chances and Limitations from a Scientific Perspective</b> <b>Dr. Marko Hoffmann</b> , Department of Informatics, University of the Bundeswehr, Munich	18
9	15:00 <b>Netted Simulation and the Simulation-Center of the GE Air Force</b> <b>Lt. Colonel Markus Hauff</b> , Consultant, Fül III 6, MoD	<b>14:30 Coffee Break, Networking</b>	19
10	15:30 <b>Options and advantages of a ISO-OGC-certified Datasupply of Simulation Systems</b> <b>Frank Bildstein</b> , Rheinmetall Defence Electronics Inc. <b>Dr.-Ing. Christoph Averdung</b> , CPA Systems Inc.	15:00 <b>Interactive Simulations as Analysis Tools – Advantages and Approaches</b> <b>Steffen Großmann</b> , ESG, Electronic Systems and Logistics– Inc.	20
	16:00 <b>Visit of the Exhibition</b>	15:30 <b>Concept of a Generic and Flexible Scalable Model Management System</b> <b>Günter Herrmann</b> , Institute for technology of intelligent systems (ITIS) e.V.	21
	<b>18:00 Beer call, Networking</b>	16:00 <b>Snow Leopard: Netting of Simulation Systems in NATO</b> <b>Dipl.-Ing. Karl Heinz Neumann</b> , IABG Inc.	22
	<b>18:30 Dinner</b>	16:30 <b>Closing Remarks of the Conference Chairmen</b> <b>Brigadier General Erich Pfeffer</b> and <b>Brigadier General Klaus F. Veit</b>	
		<b>Closing Remarks of the Chairman of DWT</b> <b>General (ret.) Rainer Schuwirth</b> , Chairman, DWT e.V.	

# Forum Modelling and Simulation

2010: Fundament and Chance for Projected Capabilities of the Armed Forces



Registration Online at [www.dwt-sgw.de](http://www.dwt-sgw.de) or  
Re-Fax to: **+49 228 41098-19**

I take part in the Forum „Modelling and Simulation“ as mentioned below

For cancellations received in writing more than five (5) working days prior to the conference your conference fee will be recompensed. You may substitute delegates at any time. Refreshments, Lunch and Dinner is included for Industry visitors.

**Please register until March 4<sup>th</sup>, 2010. Online registration is open until March 9<sup>th</sup>, 2010.**

## Participants Industry

- |                                    |            |   |
|------------------------------------|------------|---|
| <input type="radio"/> Both days    | 895,- Euro | <input type="radio"/> Luncheon 1st day (0,- Euro) |
| <input type="radio"/> 1st day only | 510,- Euro | <input type="radio"/> Dinner 1st day (0,- Euro)   |
| <input type="radio"/> 2nd day only | 450,- Euro | <input type="radio"/> Luncheon 2nd day (0,- Euro) |

## Participants Responsible Authorities / Armed Forces / Embassies / Institutions / Others

- |   |            |   |   |
|---|------------|---|---|
| <input type="radio"/> Responsible Authority             | 0,- Euro*  | <input type="radio"/> Attendance both days    | <input type="radio"/> Luncheon 1st day (0/15*,- Euro) |
| <input type="radio"/> Armed Forces / Authorities        | 25,- Euro* | <input type="radio"/> Attendance 1st day only | <input type="radio"/> Dinner 1st day (0/15*,- Euro)   |
| <input type="radio"/> Embassies / Institutions / Others | 75,- Euro  | <input type="radio"/> Attendance 2nd day only | <input type="radio"/> Luncheon 2nd day (0/10*,- Euro) |

## Order of CD with all lectures

- CD with all lectures for industry (90,- Euro)       CD with all lectures for authorities (40,- Euro)

**All prices in this folder subject to 19% VAT except Lunch and Dinner charges for authorities**

### REMARKS

\* For visitors from responsible authorities and armed forces, lunch (à 10,- Euro) and dinner (15,- Euro) is **not included**.  
To order, check the appropriate box above. Lunch and Dinner fee will be charged at the conference counter.  
Free attendance subject to verification by SGW

We are interested to participate in the exhibition. Please contact us.

Institution

Rank / Title / First Name / Last Name

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E-Mail (mandatory)

City / Date/ Signature / Stamp

VAT Number (for companies)

Alternative Invoice Address

I agree to the storage of my personal data above for the exclusive use by SGW/DWT yes / no

### Organisation:

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