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Eine Veranstaltung der
Studiengesellschaft der DWT

# Clothing and Personal Equipment for a combat-ready Bundeswehr

**Maritim Hotel Bonn | 17.-18. November 2026**



## Programme

**Terms of participation / Registration link**

Updated on:
11.11.2026

**www.dwt-sgw.de**

# Clothing and Personal Equipment for a combat-ready Bundeswehr

## What is it about:

War in Europe is unfortunately a reality. The requirements for the operational readiness of the Bundeswehr have fundamentally changed – speed, endurance and effectiveness in combat are the focus. With the FASER project, substantial financial resources and the planned comprehensive re-equipment with multi-camouflage print, a fundamental modernisation of the clothing and personal equipment of soldiers is ahead.

**It is far more than just equipment – it is an integral part of operational capability.**

Modern military clothing and personal equipment must today meet a field of tension: maximum protection with high mobility at the same time, adaptability to different climate zones and threat scenarios, and seamless integration into networked systems. Whether protective effect against thermal signature management, ballistic influences and wearing comfort under combat conditions, or the integration of sensors and power supply – innovation is taking place on many levels at the same time.

At the same time, these developments are under high implementation pressure. Availability, scalability and logistical endurance are as decisive as technological excellence. The question is not only what is possible, but above all **what can be brought to the troops quickly, reliably and at scale**.

New requirements for sustainability, circularity and resilient supply chains are added – especially in a security policy environment in which dependencies must be critically questioned.

Our forum starts exactly here: it sees itself as a platform for exchange between demanders, procurement, science and industry – beyond concrete tendering procedures and with the clear goal of jointly developing solutions for the Bundeswehr of today, tomorrow and the day after. Because innovation arises where operational requirements, technological possibilities and industrial implementation competence are brought together early on – and this event offers exactly that space for understanding and joint development

## Impressions 2025:









# Clothing and Personal Equipment for a combat-ready Bundeswehr

## Conference programme on Tuesday, 17th November 2026

08:00 Conference office and exhibition open / Welcome coffee

08:45 **Welcome and introduction**
Colonel (ret.) Andreas Hornik, CEO of SGW

09:00 **The significance of clothing and personal equipment for soldiers**
General (ret.) Eberhard Zorn,
16th Inspector General of the Bundeswehr

09:10 **From concept to the troops: challenges and success factors in project management Clothing and personal equipment**
Lieutenant Colonel Sven Rubel, Project Management Clothing, Federal Office for Equipment, Information Technology and Use of the Bundeswehr (BAAINBw)

09:30 **Bundeswehr clothing supply chain: availability, scalability and resilience in a turning point**
Stephan Minz, Managing Director, Bw Bekleidungsmanagement

09:50 **Clothing and personal equipment: impact on the motivation of soldiers and the attractiveness of the military profession**
Colonel GS Matthias Axt, Deputy Representative of the Inspector General of the Bundeswehr for Education and Training

10:10 **Moderated discussion and Q & A**
Moderation: General (ret.) Eberhard Zorn

10.30 Coffee and networking break, visit to the exhibition

11:15 **Technical Session 1:**
**Material innovations for protection, camouflage and survivability**
(details on the following pages)

12:45 **Poster pitches A (Hall Schumann)**
The presenters of the poster sessions introduce their focus areas in the plenary in 60 seconds each.

13:00 Lunch break & networking, visit to the exhibition

14:15 **Poster Session A**
(details on the following pages)

15:15 Coffee and networking break, visit to the exhibition

16:00 **Technical Session 2:**
**The soldier at the centre - ergonomics, health and performance**
(details on the following pages)

17:30 **Beer Call in the exhibition**

18:30 **Walking buffet / networking evening in the exhibition**

21:30 **Last Call**

22:00 End of the first day of the event

# Clothing and Personal Equipment for a combat-ready Bundeswehr

## Technical Session 1 on Tuesday, 17th November 2026
11:15 - 12:45 Uhr

### Material innovations for protection, camouflage and survivability

11:15 **Welcome and introduction by the moderator**
Prof. Dr. Günter Schell, Director, Prüf- und Forschungsinstitut Pirmasens e.V.

11:30 **Comfort, mobility and protection: redefining the capabilities of modern protective armour**
**Dr. Louis Boogh & Clara Sorel, Arclin**

11:45 **Integration of ballistic protection systems and printed electronics based on polymer specialty films**
Lars Bognar, Covestro

12:00 **Adaptive camouflage for soldiers: the EDF project ACROSS**
Dr. Max Winkelmann, Fraunhofer IOSB

12:15 **Digital development of radar-signature-optimised protective clothing through coupled body, clothing and radar simulation**
Dr. Christoph Baur, Rohde & Schwarz

12:30 **Discussion; Q & A**

12:45 **End of the technical session**

## Technical Session 2 on Tuesday, 17th November 2026
16:00 - 17:30 Uhr

### The soldier at the centre - ergonomics, health and performance

16:00 **Welcome and introduction by the moderator**
Dr. Tobias Förster, Wehrwissenschaftliches Institut für Werk- und Betriebsstoffe (WIWeB)

16:15 **MobPhysioLab - mobPhysioLab®: Smart textile for physiological monitoring**
LtCol MC Ass. Prof. Dr. med. Andreas Werner, SanUstgZ, Medical Group Occupational Medicine, OpFüKdoBw

16:30 **From the analogue bottleneck to digital best-fit: smartphone-based fitting of combat boots for recruits**
Dr. Matthias Brendel, Footprint Technologies

16:45 **From gait to operational readiness – personalised insole systems to increase load capacity, protective effect and performance in military operations**
Markus Kredtke, Sequence Holding

17:00 **Individualised condition detection through the integration of biosensors into equipment and their connection to an autonomous data platform**
Dr. Dorothee Steven, Institute of Aerospace Medicine, German Aerospace Centre (DLR)

17:15 **Discussion; Q & A**

17:30 **End of the technical session**

# Clothing and Personal Equipment for a combat-ready Bundeswehr

## Poster Session A on Tuesday, 17th November 2026, 14:15 - 15:15 Uhr

These 10 poster sessions take place in parallel. Each poster is briefly introduced during the pitches in the plenary at 12:45 by the respective presenter. Each round lasts 10 minutes (presentation & dialogue), followed by 5 minutes of changeover time. The poster presentations are given four times, so that each participant can visit their individual "TOP 4".
Start times at the posters: **14:15 - 14:30 - 14:45 - 15:00**

PA1 **Intraoral sensors for load and exposure measurement**
Jette Schreiber, Somatric

PA2 **High-strength yarn for protective clothing and equipment**
Hans Meulman, Avient

PA3 **Cancelled**

PA4 **Interfaces in ABC protective clothing - neglected and underestimated?**
Lieutenant Colonel (res.) Sebastian Meyer-Plath, BLÜCHER

PA5 **Ceramics in ballistic protection: experiment, simulation and material development**
Jens Niedermaier,
Deutsch-Französisches Forschungsinstitut Saint-Louis

PA6 **Protection, signature, endurance: 3D-printed silencers for the soldier of the future**
Michael Wohlfart, EOS

PA7 **H3 seconds. Life or death. How innovative IFAK pouch design makes the difference.**
Harun Özkalp, german ercelliance

PA8 **Value-preserving storage the key to defence readiness**
Heiner Matthias Honold, Honold Logistik & Immobilien Gruppe

PA9 **Acoustic drone detection as a component of the soldier's personal protective equipment**
Marco Reppenhagen, IAV

PA10 **The barrel fires, but the stock hits!**
Officer Candidate (res.) Karl Dettke and Tim Fenner, TU Braunschweig

# Clothing and Personal Equipment for a combat-ready Bundeswehr

## Conference programme on Wednesday, 18th November 2026

08:00 Conference office and exhibition open / Welcome coffee

08:30 **Welcome and introduction**
Colonel (ret.) Andreas Hornik, CEO of SGW

08:35 **Turning point military logistics vs. textile logistics**
Dirk Hansmann and Holger Philipowski, Quehenberger Logistics

09:00 **Technical Session 3:**
**Supply security, supply chains and industrial resilience**
(details on the following pages)

10:30 **Poster pitches B (Hall Schumann)**
The presenters of the poster sessions introduce their focus areas in the plenary in 60 seconds each.

10:45 Coffee and networking break, visit to the exhibition

11:30 **Poster Session B**
**(details on the following pages)**

12:30 Lunch break & networking, visit to the exhibition

13:45 **Technical Session 4:**
**Load, injury mechanics and protective effect – scientific foundations for the equipment of the future**
(details on the following pages)

15:15 **Summary and farewell**
Colonel (ret.) Andreas Hornik, CEO of SGW

# Clothing and Personal Equipment for a combat-ready Bundeswehr

## Technical Session 3 on Wednesday, 18th November 2026
09:00- 10:30 Uhr

### Supply security, supply chains and industrial resilience

09:00 **Welcome and introduction by the moderator**
General (ret.) Eberhard Zorn

09:15 **Automation of textile production for the relocation of manufacturing capacity to Europe**
Dr. Yves-Simon Gloy, ADOTC

09:30 **Equipping for combat – how resilient supply chains and European value creation secure the endurance of the Bundeswehr**
Jan Felix Luecke and Ben Moradi, PwC Strategy&

09:45 **Industrial booster for certification and supply chain using FASER as an example**
Captain (res.) Ulrich Weide, SGS

10:00 **Discussion; Q & A**

10:30 **End of the technical session**

## Technical Session 4 on Wednesday, 18th November 2026
13:45- 15:15Uhr

### Load, injury mechanics and protective effect - scientific foundations for the equipment of the future

13:45 **Belcome and introduction by the moderator**
Colonel (ret.) Andreas Hornik, CEO of SGW

14:00 **Digital biomechanical analyses for ballistic body protection**
Marcin Jenerowicz, Fraunhofer EMI

14:15 **Evaluating military footwear closer to operational use: biomechanics, test methodology and sustainable product development**
Dr. Ines Anderie, Prüf- und Forschungsinstitut Pirmasens e.V.

14:30 **Musculoskeletal loads in the Bundeswehr: equipment deficits as an overlooked cause**
Timon Sutter, ODM / EVERSION Technologies

14:45 **Experimental investigation of a ballistic helmet against blast waves**
Dune Stamm, Deutsch-Französisches Forschungsinstitut Saint-Louis

15:00 **Discussion; Q & A**

15:15 **End of the technical session**

# Clothing and Personal Equipment for a combat-ready Bundeswehr

## Poster Session A on Tuesday, 17th November 2026, 11:30- 12:30 Uhr

hese 10 poster sessions take place in parallel. Each poster is briefly introduced during the pitches in the plenary at 12:45 by the respective presenter. Each round lasts 10 minutes (presentation & dialogue), followed by 5 minutes of changeover time. The poster presentations are given four times, so that each participant can visit their individual "TOP 4".
Start times at the posters: **11:30 - 11:45 - 12:00 - 12:15**

PB1 **Personal CBRN protective clothing in complex threat scenarios challenges and ways to viable solutions**
Dr. Ralf Becker, BLÜCHER

PB2 **Comfort decides. Supply security enables. Operational capability wins**
Mag. Josef Müller, Goldeck Textil

PB3 **Passive exoskeletons in military applications**
Michael Ibanez Gaul, J. Schmalz

PB4 **Digitalisation of clothing management**
Dr. Tino Kühn, Technical University of Dresden

PB5 **Cancelled**

PB6 **Combat-ready in any climate: temperature management with Outlast**
Ingo Horger, Outlast Technologies

PB7 **The hand as a tool of the soldier. Protected. Capable. Ready.**
Oliver Bommersbach, uvex Arbeitsschutz

PB8 **The next generation of military combat boots new paths in material, construction and performance**
David Bastias, W. L. Gore & Associates

PB9 **Modern ABC protective equipment**
TechGovern Director Karola Hagner, Wehrwissenschaftliches Institut für Schutztechnologien – ABC-Schutz

PB10 **Multiaxial textile webs from high-strength polymer fibres for soft and hard ballistics**
Dr.-Ing. Jürgen Tröltzsch, KARL MAYER Technische Textilie

# Clothing and Personal Equipment for a combat-ready Bundeswehr

## Price information for visitors

The conference is aimed at members of the armed forces, the public service, parliaments and ministries, embassies, science and industry.

Category A: **85,00 € (incl. catering)**
Bundeswehr, police, BKA, LKA, BND, THW, DRK, other national blue-light organisations (BOS), German ministries, authorities subordinate to the ministries, German parliaments.

Category B: **340,00 € (incl. catering)**
Research institutions, universities, companies linked to the Federal Republic of Germany BWI, BwBM, HIL, BwFPS and BwConsulting, "non-German" authorities and participants of friendly organisations within the meaning of Category A, as well as persons who cannot be assigned to Categories A, C and D.

Category C: **595,00 € (incl. catering)**
Industry / commerce

Category D: **0,00 € (incl. catering)**
Press

Discounts for early registration (Cat B, C: 10% early bird until 01.09.2026), 50% for presenters from industry and research, 100% for presenters from BMVg and the Bundeswehr are taken into account in the online booking process. Discount for exhibitors: see below. Prices for participation on individual days are shown / taken into account in the booking process on our homepage.

## Please register online: https://veranstaltungen.dwt-sgw.de/?v=223

The conference is aimed at members of the armed forces, the public service, parliaments and ministries, embassies, science and industry from EU / NATO member states (1).
Participants from non-NATO or non-EU states (1) only with prior approval by the organiser!
Catering / drinks are included in the conference fees. Prices are exclusive of VAT.
By registering you agree to:

(1) Participation is open to citizens of EU states, NATO states, Israel, Switzerland and Ukraine. Participants from other states only with prior approval by the organiser.
(2) The electronic storage of the data you provide.
(3) That photographs and/or film recordings may be made during the event, which may be published, for example, in reporting or in invitations for future DWT/SGW events.
(4) The distribution of a participant list (name / function / company or service office) and of the photographs taken during the event to the participants.
(5) By registering / signing you accept the terms of participation of this invitation, the general terms and conditions and the data protection agreement of the Studiengesellschaft der DWT, all of which can be viewed at www.dwt sgw.de.
(6) Please exercise your right of objection under the GDPR, if necessary, by email to info@dwt-sgw.de.
(7) Cancellation terms: cancellations by participants are free of charge up to 5 working days before the conference, thereafter a 100% cancellation fee. A substitute participant can be named at any time. For exhibitors, the option of free cancellation applies until five weeks before the event, thereafter a 50% cancellation fee.
(8) Payment terms: the due date for participation and exhibition fees is the first day of the event.
(9) In the event of cancellation of an event for unforeseeable reasons, registered participants and exhibitors will be notified immediately and participation and exhibition fees already paid will be refunded. The liability of the Studiengesellschaft der DWT mbH is limited to participation and exhibition fees.

## Price information for exhibitors

### Option A | 200,- Euro per m²
Exhibition area

**Services Option A**
- Stand area in the desired size
- Row / corner / island stand
- 1 full admission ticket per 6 m² of stand area included.
- 20% discount on further full tickets
- 50-70% discount on further tickets without Participation in the presentations ("stand duty")
- Night security

### Option B | 330,- Euro per m²
System stand



**Services Option B**
- Services of Option A
- Stand construction in the Octanorm system
- Carpet Expo Rips grey
- Nightly stand cleaning
- Inserts for the conference folders

### Option C | 430,- Euro per m²
System stand with furniture




**Services Option C**
- Services of Option B
- Lighting of the stand
- Front banner 200 x 50 cm
- Furniture of your choice
- Sideboards, counters, brochure stands
- Lockable cabin (if required)
- 20 carpet colours to choose from

### Option D | 550,- Euro per m²
ICustom exhibition stand



**Services Option D**
- Services of Option C
- Premium exhibition construction, e.g. with:
- Smooth-wall timber system
- Printed tension frames Truss construction
- Presentation technology (TV, projector, ...)
- Graphic / border printing
- Laminate / parquet / carpet selectable

### Option E (outdoor exhibition)
Per request



Organisation / Host:
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