



ORGANIZATION

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Bundesministerium
für Bildung
und Forschung

*This conference series is
organized by the Fraunhofer
Group for Defense and
Security and under the
patronage of the German
Federal Ministry of Education
and Research (BMBF).*

CONFERENCE MANAGEMENT

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WWW.FUTURE-SECURITY.EU

5th SECURITY RESEARCH CONFERENCE, BERLIN SEPTEMBER 7th – 9th, 2010

PROGRAM



5th SECURITY RESEARCH CONFERENCE, BERLIN
SEPTEMBER 7th – 9th, 2010

GENERAL INFORMATION

TOWARDS A MORE SECURE FUTURE

One of Europe's main objectives is to preserve its values as an open society, including respect for fundamental rights and freedom, while counteracting increased and diversified security threats. Natural disasters and technological accidents, but also terrorism, organized crime and sabotage can cause serious damage and disruption with long-lasting consequences for economy and quality of life. Secure energy and transportation networks, internet and telecommunication services, provision of food and healthcare, are vital prerequisites for everyday life in our highly networked society.

Despite using robust technologies, our supply chains and networks are most vulnerable to even just small disruptions. Global mobility facilitates the spread of crime, terrorism and diseases and makes them challenging to control. To achieve sustainable success in civil security the development and implementation of new security technologies is mandatory.

SCOPE OF THE CONFERENCE

The symposium will cover all relevant aspects of modern security research. Decision makers in politics and economy are given the opportunity to meet scientists presenting their latest results in the field of security research.

VENUE

Landesvertretung Baden-Württemberg
Tiergartenstr. 15
10785 Berlin, Germany

The technical program consists of plenary and invited talks as well as of contributed oral and poster presentations. The conference will be opened on Tuesday, September 7, 2010, at 11:00 am, followed by three plenary talks and eight technical sessions which will run to the end of the conference on Thursday, September 9, 2010, at 5:30 pm.

REGISTRATION

All conference attendees have to register in advance for the conference. For registration please return the enclosed registration form or register online at www.future-security.eu

Conference fees: regular 600 €, students 300 €, public funding bodies 200 €. These fees include coffee breaks and lunch buffets, the welcome reception, and the conference dinner. Payment by credit card. Registrations will be confirmed by e-mail.

For cancellations after August 25, 2010, a cancellation fee will be charged. If the registrant fails to attend and no cancellation is received the full conference fee has to be paid.

ACCOMMODATION

A number of hotel rooms have been reserved at special rates for Future Security 2010 attendees. For more information please see the conference homepage: www.future-security.eu

CONFERENCE LANGUAGE

English

TIMETABLE

TUESDAY 7 TH SEPTEMBER	WEDNESDAY 8 TH SEPTEMBER	THURSDAY 9 TH SEPTEMBER
10:00 – 14:00 Registration Press Conference	09:00 – 10:30 Session 3: Surveillance and Control I	09:00 – 10:30 Session 6: Detection of Hazardous Materials I
11:00 – 11:30 Opening	10:30 – 11:30 Coffee Break – Poster	10:30 – 11:30 Coffee Break – Poster
11:30 – 13:00 Plenary Session	11:30 – 13:00 Session 3: Surveillance and Control II	11:30 – 13:00 Session 6: Detection of Hazardous Materials II
13:00 – 14:00 Lunch Break	13:00 – 14:00 Lunch Break	13:00 – 14:00 Lunch Break
14:00 – 15:30 Session 1: Security of Transport Systems	14:00 – 15:30 Session 4 : Protection and Rescue of People	14:00 – 15:30 Session 7: Protection of Supply Networks
15:30 – 16:15 Coffee Break – Poster	15:30 – 16:00 Coffee Break – Poster	15:30 – 16:00 Coffee Break
16:15 – 17:30 Session 2: Building Protection	16:00 – 17:30 Session 5: Security- Related Legal and Ethical Principles	16:00 – 17:30 Session 8: Security of Communication Networks
17:30 – 18:00 Break	17:30 – 19:00 Break	17:30 – 17:40 Conference Closing
18:00 – 19:30 Welcome Reception	19:00 – 23:00 Conference Dinner	

PLENARY SPEAKERS

P. Weissenberg, European Commission, Brussels, B

H. Mey, European Aeronautic Defence and Space Company EADS, Munich, D

P. Hustinx, European Data Protection Supervisor, Brussels, B

INVITED SPEAKERS

S1 – SECURITY OF TRANSPORT SYSTEMS

M. Hellenthal, Thales Deutschland, Stuttgart, D

S2 – BUILDING PROTECTION

A. Seyfried, Forschungszentrum Jülich, D

S3 – SURVEILLANCE AND CONTROL

A. Hampapur, IBM T. J. Watson Research Center, Yorktown Heights, NY, USA

J. Krüger, Fraunhofer IPK, Berlin, D

S4 – PROTECTION AND RESCUE OF PEOPLE

S. Lechner, European Commission – JRC, Ispra, I

S5 – SECURITY-RELATED LEGAL AND ETHICAL PRINCIPLES

V. Schmid, Technische Universität Darmstadt, D

S6 – DETECTION OF HAZARDOUS MATERIALS

H. Ries, Smiths Detection, Wiesbaden, D

S. Waldvogel, Universität Mainz, D

S7 – PROTECTION OF SUPPLY NETWORKS

L. Sönnichsen, Kühne + Nagel, Hamburg, D

S8 – SECURITY OF COMMUNICATION NETWORKS

G. Schäfer, Technische Universität Ilmenau, D

OPENING / PLENARY

5th SECURITY RESEARCH CONFERENCE
BERLIN, SEPTEMBER 7th – 9th, 2010

TUESDAY 7TH SEPTEMBER

CHAIR: K. THOMA, FRAUNHOFER EMI, FREIBURG, D

REGISTRATION AND CHECK-IN

10:00 – 14:00

PRESS CONFERENCE (IN GERMAN)

10:00 – 11:00

The press conference is restricted to registered members of the press

WELCOME AND OPENING

11:00 – 11:30

O. Ambacher, Chairman of the Conference, Fraunhofer IAF, Freiburg, D
H. Braun, Federal Ministry of Education and Research BMBF, D
G. Leßnerkraus, Ministry of Economic Affairs of the State of Baden-Württemberg
R. Krug, Federal Ministry of Defense BMVg, D

PLENARY SESSION

11:30 – 12:00

Future Security Research
P. Weissenberg, European Commission, Brussels, B

12:00 – 12:30

Future Security Challenges – A Strategic Assessment
H. Mey, European Aeronautic Defence and Space Company EADS, Munich, D

12:30 – 13:00

Making Data Protection More Effective in a Digital World
P. Hustinx, European Data Protection Supervisor, Brussels, B

13:00 – 14:00

Lunch Break



SESSION 1

5th SECURITY RESEARCH CONFERENCE
BERLIN, SEPTEMBER 7th – 9th, 2010

SECURITY OF TRANSPORT SYSTEMS
TUESDAY 7th SEPTEMBER

CHAIR: J. STOCK, BUNDESKRIMINALAMT, WIESBADEN, D

14:00 – 14:20 **Keynote: Security in Transportation Systems**

M. Hellenthal, Thales Deutschland, Stuttgart, D

14:20 – 14:30 **Project RETISS**

Real Time Security Management System for Road Infrastructures

J. Krieger, I. Kaundinya, Bundesanstalt für Straßenwesen, Bergisch Gladbach, D;
G. Mayer, W. Balz, PVT AG, Stuttgart, D; U. Degen, NESS Technologies,
Tel Aviv, IL

14:30 – 14:45 S 1.1

**Risk Analysis of Representative Terror Events on Airports within
the Project FluSs**

J. Ziehm, M. Voss, C. Roller, O. Herzog, I. Häring, Fraunhofer EMI, Freiburg, D

14:45 – 15:00 S 1.2

**Passenger Flow at Hub Airports: Security, Retail and Infrastructure
Investments**

N. Henrique, European Center for Aviation Development, Darmstadt, D

15:00 – 15:15 S 1.3

The Requirement for Scanning Export Containers

F. Arendt, Institut für Seeverkehrswirtschaft und Logistik, Bremen, D

15:15 – 15:30 S 1.4

**Visual Intelligence and Secure RFID Protect Road Tunnels
within the Framework of the SKRIBT Project**

D. Evers, A. Heidenreich, A. Hutter, H. Seuschek, Siemens AG, München, D;
F. Heimbecher, I. Rönnau, Bundesanstalt für Straßenwesen,
Bergisch Gladbach, D

15:30 – 16:30 **Coffee Break**

POSTER PRESENTATION

SESSION 2

5th SECURITY RESEARCH CONFERENCE
BERLIN, SEPTEMBER 7th – 9th, 2010

BUILDING PROTECTION
TUESDAY 7th SEPTEMBER

CHAIR: P. ELSNER, FRAUNHOFER ICT, PFINZTAL, D

16:30 – 16:50 **Keynote: Rescue and Protection of People in Buildings – Understanding Crowd Movement Through Experiment and Simulation**

A. Seyfried, Forschungszentrum Jülich, D

16:50 – 17:00 **Project ACCIS**

Automatic Cargo-Container Inspection System

V. Dangendorf, Physikalisch-Technische Bundesanstalt, Braunschweig, D;
A. Breskin, Weizmann Institute of Science, Rehovot, IL; E. Giumulla,
TU Berlin, D; I. Havardi, Israel Police Bomb Disposal Division, IL; O. Jagutzki,
RoentDek GmbH, Kelkheim-Ruppertshain, D; T. Juergensohn, Human-Factors-
Consult GmbH, Berlin, D; K. Osterloh, Bundesanstalt für Materialforschung,
Berlin, D; C. Piel, Research Instruments GmbH, Bergisch Gladbach, D;
W. Rehak, OUT e.V., Berlin, D; D. Vartsky, Soreq NRC, Yavne, IL

17:00 – 17:15 S 2.1

Protection of Critical Infrastructure-Buildings Against Dynamic Loads Caused by Attacks and Accidents

Ch. Brenneis, O. Millon, Ch. Mayrhofer, W. Riedel, K. Thoma,
Fraunhofer EMI, Freiburg, D

17:15 – 17:30 S 2.2

Tunnel Structures Subjected to Explosions

A. Stolz, W. Riedel, Ch. Mayrhofer, Fraunhofer EMI, Freiburg, D; M. Nöldgen,
Schüßler-Plan Ingenieurgesellschaft, Düsseldorf, D

17:30 – 18:00 **Break**

18:00 – 19:30

WELCOME RECEPTION

SESSION 3

5th SECURITY RESEARCH CONFERENCE
BERLIN, SEPTEMBER 7th – 9th, 2010

SURVEILLANCE AND CONTROL – PART I
WEDNESDAY 8th SEPTEMBER

CHAIR: J. BEYERER, FRAUNHOFER IOSB, KARLSRUHE, D

9:00 – 9:20 **Keynote: Information Analytics for Public Safety and Homeland Security**
A. Hampapur, IBM T. J. Watson Research Center, Yorktown Heights, NY, USA

9:20 – 9:30 **Project LiveDetect3D**
Live Detection of Hidden Threats via Real-Time 3D Imaging
P. Haring Bolívar, A. Kolb, Univ. Siegen, D; H. Wolf, T. Sprenger, Huebner GmbH, Kassel, D; H.G. Roskos, Univ. Frankfurt, D; T. Löffler, SynView GmbH, Bad Homburg, D; J. Rosen, Ben Gurion Univ., Beer Sheva, IL; J. Roulston, NovaTrans, Herzelia, IL; R. El-Bahar, Samsung Semiconductor, Ramat Gan, IL; A. Madjar, E. Socher, Tel Aviv Univ., IL; B. Nadav, Prime Minister Office, Jerusalem, IL

9:30 – 9:45 S 3.1
TEKZAS THz Real-Time Camera (Two-Dimensional) for Application in Security Technology
B. Cimander, Flug- & Industriesicherheit Service- & Beratungs- GmbH, Kelsterbach, D; H. Wolf, Hübner GmbH, Kassel, D; U. Kallmann, BOSCH, Stuttgart, D; J. Bartschke, Xiton Photonics, Kaiserslautern, D; J. Jonuscheit, FhG IPM, Freiburg, D; R. Rösch, FhG ITWM, Kaiserslautern, D; R. Beigang, TU Kaiserslautern, D; H. Roskos, Univ. Frankfurt/M., D; J. Smet, MPI-FKF, Stuttgart, D; E. Giumulla, ILB GmbH, Berlin, D; P. Lemke, Institute for Economy + Prevention, Munich, D

9:45 – 10:00 S 3.2
Development of BtoB Security Business – from Guarding to Knowledge-Intensive Expert Services
M. Murtonen, H. Kortelainen, E. Kupi, V. Rouhiainen, VTT Technical Research Centre of Finland, Tampere, FIN

10:00 – 10:15 S 3.3
Range-Gated Active Imaging Technology for Surveillance and Control of Areas
M. Weiland, W. Knorr, Deutsch-Französisches Forschungsinstitut Saint-Louis, Weil am Rhein, D

10:15 – 10:30 S 3.4
Integrated Security Monitor for Control of Persons
H.-W. Hübers, S. Augustin, U. Böttger, H. Richter, A. Semenov, DLR e.V., Berlin, D; R. Bretfeld, H. Hirsch, M. Scheiding, S. Wörner, Astro- und Feinwerktechnik Adlershof GmbH, Berlin, D; K. Schmalz, J. C. Scheytt, IHP GmbH, Frankfurt/O, D; R. Schiffel, IQ Wireless GmbH, Berlin, D; W. Leonhardt, D. Rondeshagen, Institut für Umwelttechnologien, Berlin, D; G. Arnold, H. Dittmann, Optotransmitter-Umweltschutz-Technologie e.V., Berlin, D; W. Schüler, STEP Sensortechnik und Elektronik Pockau GmbH, Pockau, D

10:30 – 11:30 **Coffee Break**

POSTER PRESENTATION

SESSION 3

5th SECURITY RESEARCH CONFERENCE
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SURVEILLANCE AND CONTROL – PART II
WEDNESDAY 8th SEPTEMBER

CHAIR: U. WIEMKEN, FRAUNHOFER INT, EUSKIRCHEN, D

11:30 – 11:50 **Keynote: Secure Identity – A Source for Innovative IT-Systems and Processes**

J. Krüger, Fraunhofer IPK, Berlin, D

11:50 – 12:00 **Project BEPE**

Biological Event Preparedness Evaluation

B. Adini, R. Cohen, D. Laor, R. Ringel, Ministry of Health, Jerusalem, IL;
W. Biederbick, J. Sasse, L. Verbeek, Robert Koch Institut, Berlin, D; R. Brodt,
S. Schilling, Univ. Frankfurt/M., D; R. Gottschalk, Gesundheitsamt
Frankfurt/M., D; J. Schempf, CSO GmbH, Pforzheim, D

12:00 – 12:15 S 3.5

Integrated Mobile Security Kit

N. Künzner, Diehl BGT Defence, Überlingen, D; K. Ekvall,
SAAB Microwave Systems, Göteborg, S

12:15 – 12:30 S 3.6

**European Border Surveillance: Solutions From the
EUROSUR Technical Study**

J. Feierlein, Elektroniksystem- und Logistik GmbH, Fürstenfeldbruck, D

12:30 – 12:45 S 3.7

**Software Tools for the Development of Distributed Intelligence
Surveillance Networks**

J. Viitanen, J. Jankkari, VTT Technical Research Centre of Finland, Tampere, FIN

12:45 – 13:00 S 3.8

Improving Automatic Surveillance by Sound Analysis

K. Lopatka, J. Kotus, A. Czyzewski, Gdansk University of Technology, PL

13:00 – 14:00 **Lunch Break**

SESSION 4

5th SECURITY RESEARCH CONFERENCE
BERLIN, SEPTEMBER 7th – 9th, 2010

PROTECTION AND RESCUE OF PEOPLE
WEDNESDAY 8th SEPTEMBER

CHAIR: W. GRÄFLING, LANDESBRANDDIREKTOR, BERLIN, D

14:00 – 14:20 **Keynote: Remote Sensing for Damage Assessment in Humanitarian Disasters**

S. Lechner, European Commission – JRC, Ispra, I

14:20 – 14:30 **Project I-LOV**

MIXS and DETUS: Two Major Bilateral Technology Advances for Improving Capability Responses in Emergency Missions

M. Loschonsky, O. Rogall, Y. Yakelevich, J. Henning, Q. Hamp, L. M. Reindl, Universität Freiburg, D; A. Ashkenazi, U. Kaplan, National Emergency Management Agency, Tel Aviv, IL; D. Wiebeck, THW Breisach, D; H. Werner, THW Bonn, D; A. Kesar, Soreq Nuclear Research Center, Yavne, IL

14:30 – 14:45 S 4.1

Emergency Management in Large Infrastructures – The EU-Project EMILI

R. Klein, Fraunhofer IAIS, Sankt Augustin, D

14:45 – 15:00 S 4.2

SECURITY2People

W. Raskob, U. Rickers, KIT, Karlsruhe, D; E. Gers, BBK, Bonn, D; R. Kaschow, CAE Elektronik GmbH, Stolberg, D; L. Tufte, PRO DV Software AG, Dortmund, D; F. Ulmer, Dialogik, Stuttgart, D

15:00 – 15:15 S 4.3

Challenges in Maritime Safety and Security Training Using a Specific Safety & Security Trainer (SST)

C. Felsenstein, K. Benedict, Hochschule Wismar, Rostock, D; M. Baldauf, World Maritime University Malmö, S

15:15 – 15:30 S 4.4

IT-Supported Management of Mass Casualty Incidents: The e-Triage Project

A. Donner, DLR e.V., Wessling, D; C. Adler, Ludwig-Maximilians-Universität, München, D; M. Ben-Amar, Euro-DMS, Olching, D; M. Werner, TriaGnoSys GmbH, Wessling, D

15:30 – 16:00 **Coffee Break**

POSTER PRESENTATION

SESSION 5

5th SECURITY RESEARCH CONFERENCE
BERLIN, SEPTEMBER 7th – 9th, 2010

SECURITY-RELATED LEGAL AND ETHICAL PRINCIPLES
WEDNESDAY 8th SEPTEMBER

CHAIR: M. FRIEDEWALD, FRAUNHOFER ISI, KARLSRUHE, D

16:00 – 16:20 **Keynote: German Privacy and IT-Security Law (IT'S Law) as a Contribution to the European Area of Freedom, Security and Justice**
V. Schmid, Technische Universität Darmstadt, D

16:20 – 16:30 **Project ESR**
System Trust and Crisis Management – An Interactive Expert Exchange System for Enhancing Societal Resilience
H.-L. Dienel, C. Henseler, R. Peperhove, nexus, Berlin, D; W. Dombrowsky, Universität Kiel, D; N. John, S. Rosenberg, Y. Sharan, The Interdisciplinary Center for Technology Analysis & Forecasting, Tel Aviv, IL

16:30 – 16:45 S 5.1
A System Analysis Approach to Security
J. Geisler, J. Beyerer, Fraunhofer IOSB, Karlsruhe, D

16:45 – 17:00 S 5.2
New Approaches for Data Protection and Anonymization in Surveillance Systems
H. Vagts, J. Beyerer, Fraunhofer IOSB, Karlsruhe, D

17:00 – 17:15 S 5.3
Safety and Security; Two Sides of the Same Coin: Properties and Relations? Characteristics to refine? Structure of Terminology and its Perception
L. Schnieder, E. Schnieder, C. Stein, TU Braunschweig, D

17:15 – 17:30 S 5.4
Public Information Responses after Terrorist Events (PIRATE)
P. Sellke, Dialogik, Stuttgart, D; R. Amlot, F. Mowbray, Health Protection Agency, London, UK; B. Rogers, J. Pearce, King's Centre for Risk Management, London, UK; J. Rubin, King's College, London, UK

17:30 – 19:00 **Break**

19:00 – 23:00

CONFERENCE DINNER

The conference dinner will take place on September 8th, on board of *MS Spreekrone*, one of the most popular excursion ships in Berlin. During the boat trip you will see some of Berlin's most important sights. We will pass by important buildings of historical and modern Berlin, such as Bellevue Palace, the Federal Chancellery, the Reichstag and the Red City Hall. Afterwards you will see Berlin Cathedral, the Television Tower and Berlin's oldest residential area, Nikolai Quarter. Charlottenburg Palace and Museum Island will also be situated along our route. The boat trip will be accompanied by a tour guide. The conference fee also covers the boat trip and the conference dinner.

SESSION 6

5th SECURITY RESEARCH CONFERENCE
BERLIN, SEPTEMBER 7th – 9th, 2010

DETECTION OF HAZARDOUS MATERIALS – PART I
THURSDAY 9th SEPTEMBER

CHAIR: M. TACKE, FRAUNHOFER IOSB, ETTLINGEN, D

9:00 – 9:20 **Keynote: Modern Sensors for Hazardous Materials**

H. Ries, Smiths Detection, Wiesbaden, D

9:20 – 9:30 **Project IRLDEX**

Imaging Stand-Off Detection of Explosives by Quantum Cascade Laser Based Backscattering Spectroscopy

F. Fuchs, S. Hugger, M. Kinzer, Q. K. Yang, W. Bronner, R. Aidam, Fraunhofer IAF, Freiburg, D; K. Degreif, S. Rademacher, Fraunhofer IPM, Freiburg, D; F. Schnürer, W. Schweikert, Fraunhofer ICT, Pfinztal, D

9:30 – 9:45 S 6.1

Evaluation of Explosive Detection Systems – Method Development, Testing, Benchmarking, Certification

D. Röseling, F. Schnürer, G. Bunte, H. Krause, Fraunhofer ICT, Pfinztal, D

9:45 – 10:00 S 6.2

Nanodiamond Coated SAW Platform for Sensing of Explosive and Warfare Gases at High Sensitivity

E. Scorsono, E. Chevallier, P. Bergonzo, CEA de Saclay, Gif-sur-Yvette, F

10:00 – 10:15 S 6.3

Neutron Technology Applied to Hazardous Materials Detection

P. le Tourneur, J. L. Dumont, I. Lefesvre, C. Groiselle, J. S. Lacroix, M. J. Lopez-Jiménez, P. Paul, K. Soudani, EADS/SODERN, Limeil-Brevannes, F

10:15 – 10:30 S 6.4

Airport Related CBR Threat Analysis

A. Bongartz, A. Dörr, Industrieanlagen-Betriebsgesellschaft, Ottobrunn, D

10:30 – 11:30 **Coffee Break**

POSTER PRESENTATION

SESSION 6

5th SECURITY RESEARCH CONFERENCE
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DETECTION OF HAZARDOUS MATERIALS – PART II
THURSDAY 9th SEPTEMBER

CHAIR: J. ENDER, FRAUNHOFER FHR, WACHTBERG, D

11:30 – 11:50 **Keynote: Detection of Peroxide-Based Explosives**

S. Waldvogel, Universität Mainz, D

11:50 – 12:00 **Project ChipSenSiTek**

**Femtosecond Impulsive Laser Excitation and Quartz Enhanced
Photoacoustic Spectroscopy for Explosive Detection**

W. Schade, W. Schippers, J. Burgmeier, TU Clausthal, Goslar, D; Y. Siberberg,
Weizmann Institute of Science, Rehovot, IL; S. Rosenwaks, Ben Gurion
University, IL

12:00 – 12:15 S 6.5

**Biosensors for Stand-Off Detection of Mines and Explosives
by Laser Induced Fluorescence**

M. Wehner, T. Wirtz, R. Poprawe, Fraunhofer ILT, Aachen, D; S. Schillberg,
Ch. Kühn, N. Raven, K. Hund-Rinke, Fraunhofer IME, Aachen / Schmallenberg,
D; H. Meurer, GeoTec GmbH, Brühl, D

12:15 – 12:30 S 6.6

**Prevention of Illicit Trafficking of Nuclear and Radioactive Material
at Border Stations by Means of Highly Efficient Detection Systems**

W. Rosenstock, W. Berky, S. Chmel, H. Friedrich, T. Köble, M. Risse,
O. Schumann, Fraunhofer INT, Euskirchen, D

12:30 – 12:45 S 6.7

**Public and User Acceptance of Unmanned Aerial Vehicles
in Disaster Management and Prevention – Empirical Findings**

A. Hermanns, TU Berlin, D

12:45 – 13:00 S 6.8

**Chip Cards as Fortuitous Individual Dosimeters After Nuclear
Emergencies And Radiological Terrorism**

C. Woda, Helmholtz Zentrum München, Oberschleissheim, D;
T. Spöttl, Infineon Technologies AG, Regensburg, D

13:00 – 14:00 **Lunch Break**

SESSION 7

5th SECURITY RESEARCH CONFERENCE
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PROTECTION OF SUPPLY NETWORKS
THURSDAY 9th SEPTEMBER

CHAIR: J. H. SCHILLER, FU BERLIN, D

14:00 – 14:20 **Keynote: Security Based on Organization, Control and Technology**
L. Sönnichsen, Kühne + Nagel, Hamburg, D

14:20 – 14:30 **Projekt IRLSENS**
Infrared Fiberoptic Laser Sensor System for the Detection and Recognition of Hazardous Chemical Substances in Drinking Water
F. Fuchs, Fraunhofer IAF, Freiburg, D; W. Konz, Fraunhofer IPM, Freiburg, D; D. Richter, DVGW Technologiezentrum Wasser, Karlsruhe, D; G. Biwer, Zweckverband Wasserentsorgung Kleine Kinzig, Alpirsbach-Reinerzau, D; A. Simon, Bruker Optik, Ettlingen, D; A. Katzir, Tel Aviv University, IL; T. Würtenberger, S. Kaufmann, Universität Freiburg, D

14:30 – 14:45 S 7.1
A New Device for Monitoring Drinking Water Based on Image Motion Analysis
T. Schuchert, T. Müller, M. Höpken, Fraunhofer IOSB, Karlsruhe, D

14:45 – 15:00 S 7.2
Safety and Security of Drinking Water Distribution Systems
M. Eriksson, Linköping University, S

15:00 – 15:15 S 7.3
Bio-/Agroterrorism in the Food Chain: A Real Threat?
A. Buschulte, B. Appel, Bundesinstitut für Risikobewertung, Berlin, D

15:15 – 15:30 S 7.4
Defending Food Supply Chains – A UK Approach
S. Barrass, Centre for the Protection of National Infrastructure CPNI, London, UK

15:30 – 16:00 **Coffee Break**

SESSION 8

5th SECURITY RESEARCH CONFERENCE
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SECURITY OF COMMUNICATION NETWORKS
THURSDAY 9th SEPTEMBER

CHAIR: M. ULLMANN, BUNDESAMT FÜR SICHERHEIT
IN DER INFORMATIONSTECHNIK, BONN, D

16:00 – 16:20 **Keynote: Secure Overlay-Based Autoconfiguration of Complex IPsec VPN**
G. Schäfer, TU Ilmenau, D

16:20 – 16:30 **Projekt EMSIN
Electromagnetic Protection of IT-Networks for Transportation-Infrastructures**
N. Sonnenberg, Thales Defence Deutschland, Pforzheim, D; H. Garbe, Universität Hannover, D; M. Koch, Fachhochschule Hannover, D; R. Rambousky, Wehrwissenschaftliches Institut für Schutztechnologien, Munster, D; C. Pistor, Flug- und Industriesicherheit Service- und Beratungs GmbH, Kelsterbach, D; N. Sharfi, Netline Communications Technologies, Tel Aviv, IL

16:30 – 16:45 S 8.1
A Hierarchical Framework for Quantitative Corporate IT Risk Management
S. Schmidt, Technische Universität Berlin – DAI-Labor, Berlin, D

16:45 – 17:00 S 8.2
Automatic Network Reconfiguration for Denial-of-Service Defense Using Dynamic Impact Estimation
M. Jahnke, G. Klein, J. Tölle, Fraunhofer FKIE, Wachtberg, D

17:00 – 17:15 S 8.3
Herold – A Policy-Based Approach to Distributed Network Security Management
S. Adameit, T. Betz, M. Hewelt, D. Moldt, J. Quenum, T. Wagner, L. Wüstenberg, Universität Hamburg, D; F. Hars, A. Theilmann, T. Warns, PRESENSE Technologies, Hamburg, D

17:15 – 17:30 S 8.4
Usability of Biometrics on Mobile Phones
N. Kirschnick, H. Sieger, S. Möller, TU Berlin, D

17:30 **CLOSING OF FUTURE SECURITY RESEARCH CONFERENCE 2010**

POSTERS

5th SECURITY RESEARCH CONFERENCE
BERLIN, SEPTEMBER 7th – 9th, 2010

POSTERS WILL BE DISPLAYED AT ALL TIMES DURING THE CONFERENCE. SPECIAL POSTER PRESENTATIONS WILL TAKE PLACE DURING THE COFFEE BREAKS.

- P 1 **Prevention of Road Transports from Organized Crime**
L. Axelsson, Lindholmen Science Park AB, Göteborg, S
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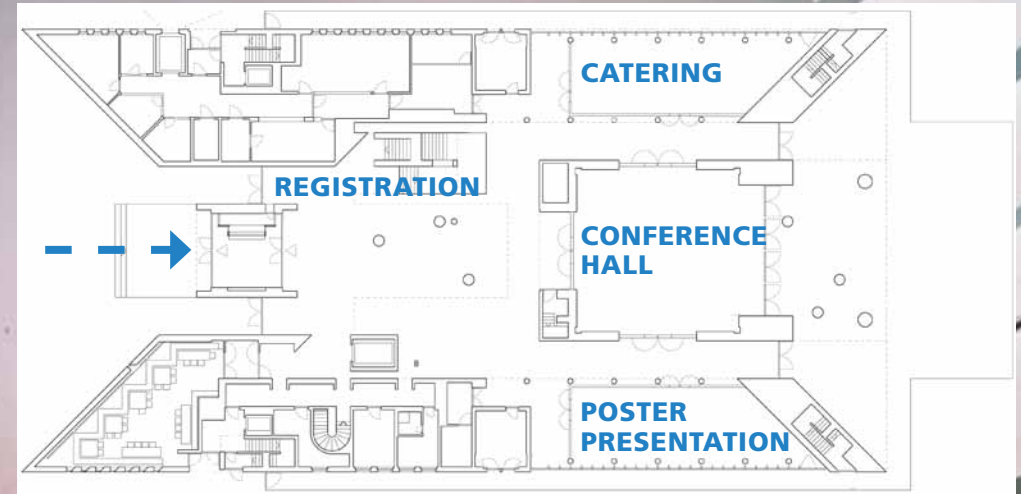
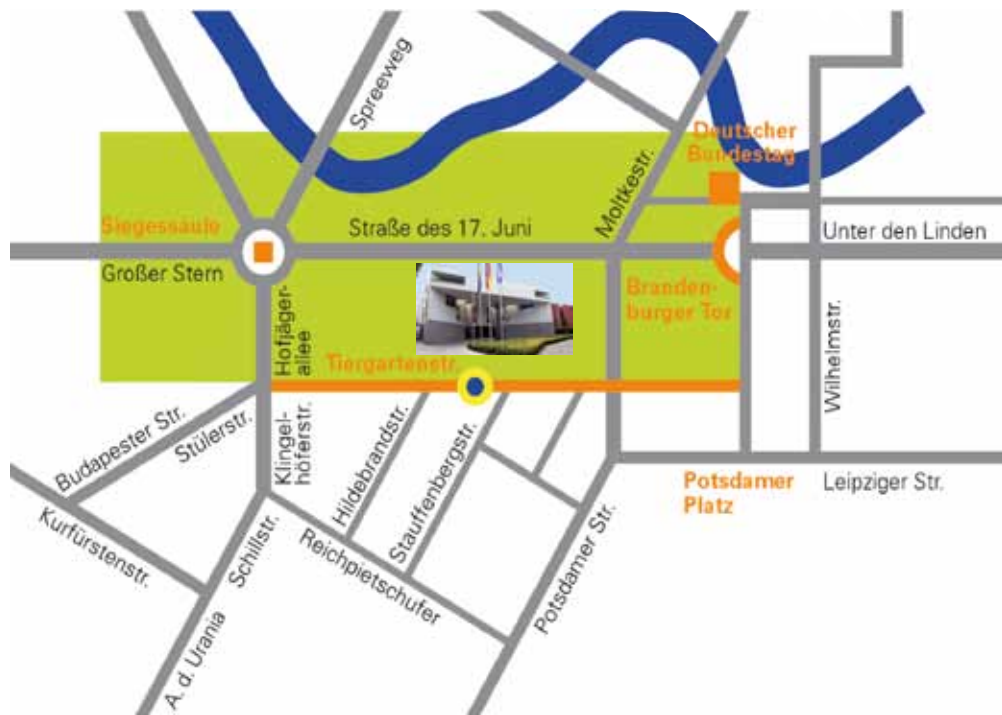
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