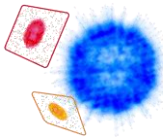
TECHNISCHE UNIVERSITÄT DARMSTADT

GRK 1362
Cooperative, Adaptive and Responsive Monitoring in Mixed-Mode Environments



GRK-1564
Imaging
New Modalities

Dagstuhl Joint Workshop of the DFG Research Training Groups in Computer Science 2013

Important Information for Participants

Julian Bader (GRK1564), Christian Feinen (GRK1564), Jens Hedrich (GRK1564), Rodrigo Daniel do Carmo (GRK1362), Philipp Marcel Scholl (GRK1362)

06.05.2013

Program

Note: this program is subject to minor changes close the workshop. We will inform any changes in due time.

Sunday 26th of May

15:00 - 18:00 Uhr	Check-In

Monday 27th of May

07:30 - 09:00 Uhr	Check-In
07:30 - 08:45 Uhr	Frühstück
09:15 - 09:30 Uhr	Begrüßung
09:30 - 11:30 Uhr	Vorstellung der GRKs IRTG 1247: Cross-Modal Interaction in Natural and Artificial Cognitive Systems RTG 1324: Model-Based Development of Technologies for Self-Organizing Decentralized Information Systems in Disaster Management RTG 1487: Selbstorganisierende Mobilkommunikationssysteme für Katastrophenszenarien RTG 1765: Systemkorrektheit unter widrigen Umständen (SCARE) RTG 1424: Multimodal Smart Appliance Ensembles for Mobile Applications RTG 1042: Explorative Analysis and Visualization of Large Information Spaces RTG 1194: Selbstorganisierende Sensor-Aktor-Netzwerke RTG 1651: Service-orientierte Architekturen zur Integration Software-gestützter Prozesse am Beispiel des Gesundheitswesens und der Medizintechnik (SOAMED) RTG 1773: Heterogene Bildsysteme RTG 1480: Programm- und Modell-Analyse (PUMA)
11:30 - 12:30 Uhr	Prof. Dr. Frank Kirchner - TBA
12:30 - 14:00 Uhr	Mittagessen
14:00 - 15:00 Uhr	Vorstellung GRKs RTG 1564: Imaging New Modalities RTG 1298: Algorithmische Synthese reaktiver und diskret-kontinuierlicher Systeme RTG 1362: Cooperative, Adaptive and Responsive Monitoring in Mixed Mode Environments RTG 1763: Quantitative Logics and Automata HPI Research College: Service-Oriented Systems Engineering
15:00 - 15:45 Uhr	Challenge Kickoff | Einführung Seminar
15:45 - 16:00 Uhr	Kaffeepause
16:00 - 18:00 Uhr	Workshop
18:00 - 19:30 Uhr	Abendessen

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Tuesday 28th of May

07:30 - 08:45 Uhr	Frühstück
09:00 - 10:00 Uhr	Prof. Dr. Bernt Schiele - "Scene Understanding - It's Time to Address it Again"
10:00 - 10:15 Uhr	Kaffeepause
10:30 - 12:30 Uhr	Fast Forward Session

- Igor Gilitschenski, RTG 1194, "Decentralised Scheduling in Sensor-Actuator-Networks"
- Marc Reinhardt, RTG 1194, "Distributed Estimation in Sensor Networks"
- Manuel Osdoba, RTG 1487, "Self-organized Directory Server Placement in Mobile Ad-hoc Communication Networks for Voice over Packet Switched Networks"
- André Puschmann, RTG 1487, "Robust and Flexible Link Layer for CR Ad-hoc Networks"
- Rodrigo do Carmo, RTG 1362, "Active Intrusion Detection in Self-Organized Wireless Multihop Networks"
- Martina Brachmann, RTG 1362, "Fault-tolerant, cross-layer protocols for enabling automation control over multi-hop networks"
- Iliya Gurov, RTG 1362, "Towards a realistic and reproducible WSN Evaluation"
- Christian Kuka, RTG 1765, "Processing the Uncertainty: Gathering and processing quality in multi-sensor data stream processing for dynamic context models"
- Vladica Sark, RTG 1324, " Localization in Wireless Sensor Networks "
- Tobias Simon, RTG 1487, "Unmanned Airborne Message Ferryies for Delay Tolerant Networks"
- Haojun Guan, RTG 1247, "Visual-Audio Based Objects Recognition"
- Christian Eichner, RTG 1424, "Smart visual and interaction encoding in smart meeting rooms"
- Sasane Sudhir, RTG 1424, "Intention recognition using Brain Computer Interfaces"
- Katrin Hölldobler, RTG 1298, "Model Synthesis through Transformations"
- Bogdan Mihaila, RTG 1480, "Static Analysis of Binary Code"
- Roman Byshko, RTG 1042, "Metameric colors and their applications"
- Sebastian Pasewaldt, HPI, "Multi-perspective Detail-and-Overview Visualization of Virtual 3D Building Models"
- Thomas Lindemeier, RTG 1042, "Semantic Based Methods for Abstract Representations"
- Roman Rädle, RTG 1042, "Design and Evaluation of Proxemics-Aware Environments to Support Navigation in Large Information Spaces"
- Mohamed Osman Mohamed Abdelaal, RTG 1765, "Design and analysis of power conservation techniques for maximizing the lifetime expectancy of tiny sensing devices"
- Marcus Gelderie, RTG 1298, "Controller Representation and Optimization"
- Martin Nyolt, RTG 1424, "Efficient Probabilistic Semantics for Symbolic Behavioural Models"
- Johannes Schützel, RTG 1424, "On-Line Simulation"
- Marc Bux, RTG 1651, "Adaptive Scheduling of Scientific Workflows"

12:30 - 14:00 Uhr	Mittagessen
14:00 - 15:45 Uhr	Professorenrunde
14:00 - 17:00 Uhr	Workshop
15:45 - 16:00 Uhr	Kaffeepause
17:00 - 18:00 Uhr	Doktorandenrunde
18:00 - 19:30 Uhr	Grillabend

Wednesday 29th of May

07:30 - 08:45 Uhr	Frühstück
09:00 - 10:00 Uhr	Workshop
10:00 - 10:15 Uhr	Kaffeepause
10:30 - 12:30 Uhr	Fast Forward Session

- Andreas Rogge, HPI, "Probabilistic Estimation of Unobserved Process Events"
- Johannes Jordan, RTG 1773, "Multispectral Image Visualization and Analysis"
- Richard Müller, RTG 1651, "Conformance Checking for Open Systems"
- Andreas Tönnis, RTG 1298, "Mechanism Design for Combinatorial Auctions"
- Florian Göbe, RTG 1298, "Applying Supervisory Control Theory for PLC software development"
- Stephan Barth, RTG 1480, "Deciding MSO by means of Finite Automata"
- Junhu He, RTG 1247, "Tactile Perception in In-hand Manipulation System"
- Johannes Bauer, RTG 1247, "Computational Modeling of Multi-Sensory Integration in the Superior Colliculus"
- Maxim Dolgov, RTG 1194, "Sequence-based Networked Control System"
- Robert Prüfer, RTG 1651, "Scenario-Based Design of Data-Dependent Services"
- Johannes Starlinger, RTG 1651, "Similarity Measures for Scientific Workflows"
- Youssef Arbach, RTG 1651, "Foundations of Dynamic Coalitions: Formalizing Dynamic Coalition Formation"
- Matthias Sax, RTG 1324, "Automatic Optimization for Data-Parallel Streaming Systems"
- Oswald Berthold, RTG 1324, "Robotic Self-Exploration and Acquisition of Sensorimotor Primitives"
- Sebastian Wätzoldt, HPI, "Adaptation in Cyber-Physical Systems"
- Marcel Taeumel, HPI, "Concurrent Programming Activities in Integrated Environments"
- Philipp M. Scholl, RTG 1362, “Activity Recognition with Instrumented Artifacts: The Wavelet Approach”
- Julian Barder, RTG 1564, Constrained Up-Scaling of Direct and Global Component Images
- Christian Feinen, RTG 1564, Object Recognition in Multimodal Sensory Data
- Jens Hedrich, RTG 1564, "Representation and Recognition of Articulating Objects in Dynamic Environments"
- Davoud Shahlaei, RTG 1564, Face Recognition in Unknown and Difficult Lighting Conditions
- Damien Lefloch, RTG 1564, Processing and Fusion of 2D and 3D sensor data
- Michael Storz, RTG 1780, "Making Multi Touch Tables perceive their Users"
- Anke Tallig, RTG 1780, "Robot Companion – Sensor-based Perception of Human Body Behaviour"

12:30 - 14:00 Uhr	Mittagessen
14:00 - 15:00 Uhr	Workshop
15:00 - 16:00 Uhr	Challenge
15:00 - 16:00 Uhr	Vorstellung der Ergebnisse
16:00 - 16:15 Uhr	Verabschiedung

Talks

- The presentation of the GRKs must not take more than 10 minutes
- The presentation of each PhD student in the Fast Forward Session must not exceed 3 minutes + 2 minutes for questions

Costs

- Meals (lunch and dinner) are **not** provided (these costs are remunerated by your GRK)
- Travel costs can partly be refunded by the organizing GRKs
- Accommodation costs are financed by the organizing GRKs

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Arrival

Arrival By Train

The route followed when traveling to Dagstuhl by train depends on where you start your trip upon arriving in Germany/Europe and whether you want to continue via taxi or bus:

Getting to Dagstuhl

From	Via	Destination Train Station	Continued Travel Via
The north (Frankfurt, Cologne)	Mainz	St. Wendel	Bus or Taxi
The south (Metz, Paris)	Saarbrücken	St. Wendel Saarbrücken	Bus or Taxi Taxi
The west (Trier, Luxembourg)	Trier	Merzig	Bus oder Taxi

Your trip to Dagstuhl from Mannheim, Munich and Basel may be routed via Mainz or Saarbrücken, depending on your train.

Train stations

Train Station	Continued Travel Via	Distance from Dagstuhl	Travel Time to Dagstuhl
St. Wendel	Bus or taxi	22 km	40 min
Merzig	Bus or taxi	28 km	34 min
Saarbrücken	Train to St. Wendel then bus or taxi or taxi for whole trip	50 km	45 min

Practical Information

Train information

- available on the German Railways website
- Enter "Frankfurt Airport Regionalbf" as your departure place
- Entering "Dagstuhl Bahnhofstr., Wadern" as your destination includes the bus connection to Dagstuhl.
- For train ticket purchases outside of Germany, enter "St. Wendel" as the destination train station. This is only needed for long distance train journeys.
- Train tickets are available at the stations. Creditcards are accepted.
- Attention: No tickets can be purchased on the trains. When traveling without ticket a 40 EURO penalty fee is due.
- When taking a train from Frankfurt Airport, no reservation is necessary.

Bus lines and stops

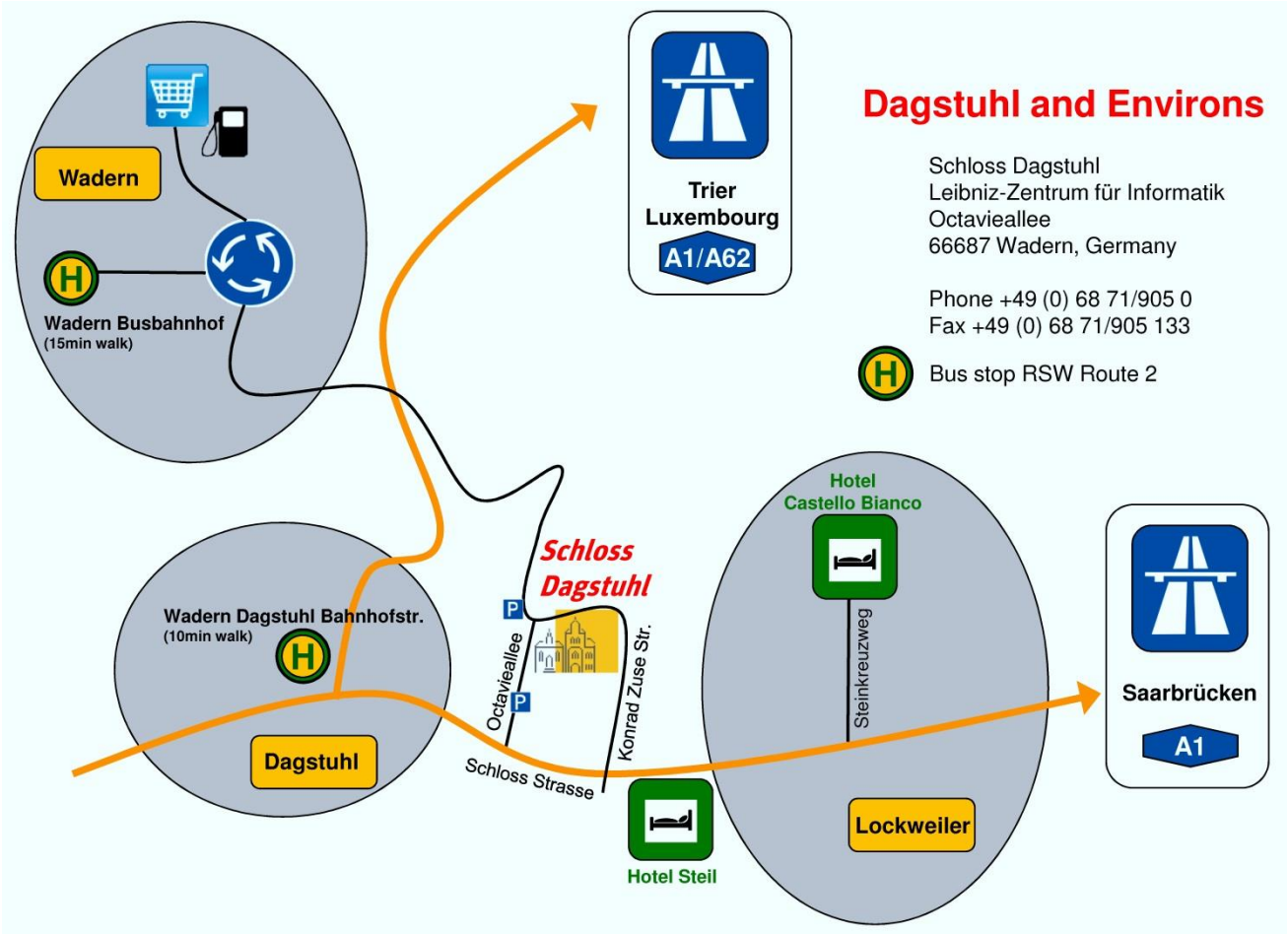
- St. Wendel bus station ("Busbahnhof St. Wendel"): directly in front of the train station
- Regional bus R2 from St. Wendel to "Wadern". Leave at stop "Dagstuhl Bahnhofstrasse" (on foot: 5-10 mins).
- **On Sundays** the bus R2 runs at 12:26h, 14:26h, 17:26h, 19:26h and 21:26h. These busses will stop at "Schloss Dagstuhl" on request.
- Fare: ca. €6.00.

- Regional bus R1 from Merzig to "Wadern-Busbahnhof" (Wadern Bus Terminal). Then take a taxi or walk (15-20 mins)
- Fare: ca. €7.00.
- Verkehrsgemeinschaft Saar (Saarland integrated train and bus transit network)
  Enter "St. Wendel" and "Bahnhofstr., Dagstuhl Wadern"

Taxis

- The local taxi cab operators are located outside St. Wendel train station all the time. If not, you can call a taxi at +49-6851-3404 which will arrive within a few minutes.
- Taxi Martin (located in Wadern) has to be preordered +49-6871 2284 or info@taximartin.de. Taxi Martin collects orders and organizes shared rides.

Dagstuhl and environs map including bus stops



Arrival By Car

Getting to Dagstuhl by car is done via autobahns A1 and A62 as shown in the travel info map (see below). Follow the signs to Wadern. Just before reaching Wadern you will see the brown signs "Informatikzentrum Schloss Dagstuhl" (Schloss Dagstuhl Computer Science Center).

Practical Information

- Destination setting for GPS navigation systems:
  - 49°31'49.45" north, 6°53'57.91" east
  - 66687 Dagstuhl, Germany, Schloss Dagstuhl
  - 66687 Wadern, Germany, Octaviеallee
  - 66687 Wadern, Germany, Oktavie-Allee

- Distances from Dagstuhl:
  - Saarbrücken ca. 60 km
  - Trier ca. 50 km
  - Luxemburg ca. 80 km
  - Frankfurt ca. 200 km
  - Köln ca. 220 km
  - Karlsruhe ca. 220 km
  - Metz ca. 120 km

Info map