Agenda Spring School Ilmenau

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DESIRE

Development of Embedded System Courses with implementation of Innovative Virtual approaches for integration of Research, Education and Production in UA, GE, AM

Ilmenau University of Technology

Ilmenau, Germany

April 13 – 25 / 2015

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The meetings will be held at the Ilmenau University of Technology, Ilmenau, Germany

Address: Helmholtzplatz 5, Zusebau, meeting room 4005, D-98693 Ilmenau

Monday 13/04/2015:
Arrival of all participants

Tuesday 14/04/2015:

08:30	Breakfast at the Hotel	All Partners
09:30	**Pick-up** from Hotel	All Partners
10:00 – 10:10 10:10 – 11:30	Opening of the Spring School Welcome to IUT	Karsten Henke Frank March, Director of the International School
11:30 – 12:00	Presentation of all DesIRE lab components (ESDL, GOLDi)	GOLDi Team
12:00 – 13:00	Lunch	All Partners
13:00 – 16:00	Introduction to Quartus II (Altera)	GOLDi Team

Wednesday 15/04/2015:

08:30	Breakfast at the Hotel	All Partners
09:30	Departure from Hotel	All Partners
10:00 – 12:30	Hardware-oriented design with Quartus II	GOLDi Team
12:30 – 13:30	Lunch	All Partners
13:30 – 14:00	Visit to Department of Mechanical Engineering	All Partners
14:00 – 16:00	Visit to the IUT CAVE center (Cave Automatic Virtual Reality), http://www.tu-ilmenau.de/kvr/	All Partners

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Thursday 16/04/2015:

08:30	Breakfast at the Hotel	All Partners
09:30	Departure from Hotel	All Partners
10:00 – 12:00	Introduction to Arduino and Arduino shields	GOLDi Team
12:00 – 13:00	Lunch	All Partners
13:00 – 15:00	Demonstration of Arduino applications (Basic Engineering School)	GOLDi Team
15:00 – 16:00	Visit to the Quadrocopter Lab	

Friday 17/04/2015:

- Trip to Erfurt, Capital of Thuringia (http://www.erfurt.de/ef/en)
- Visit to company XFAB (http://www.xfab.com/en/home)
- Guided historical tour in Erfurt

Monday 20/04/2015:

08:30	Breakfast at the Hotel	All Partners
09:30	Departure from Hotel	All Partners
10:00 – 11:30	Usage of Arduino shields with other components (Raspberry Pi, Terasic, …)	GOLDi Team
11:30 – 12:30	GOLDi (Grid of online lab devices Ilmenau) – components, installation at partner institutions, FAQ's	GOLDi Team
12:30 – 13:30	Lunch	All Partners
14:00 – 16:00	Visit to the "Barrel of Ilmenau" http://www.tu-ilmenau.de/en/barrel-of-ilmenau	All Partners

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Tuesday 21/04/2015:

08:30	Breakfast at the Hotel	All Partners
09:30	Departure from Hotel	All Partners
10:00 – 12:00	• Introduction to the Remote Lab Management Systems with focus on the iLab Shared Architecture (ISA) • Requirements for the design of online labs compliant with ISA (Lab server and client design)	Danilo Zutin, CUAS Villach, Austria
12:00 – 13:00	Lunch	All Partners
13:00 – 15:00	• Examples of labs running on ISA • Overview of the main problems concerting online labs and RLMSs	Danilo Zutin, CUAS Villach, Austria
15:00 – 16:30	Visit to the Control Engineering Group, www.tu-ilmenau.de/en/home/home/	

Wednesday 22/04/2015:

08:30	Breakfast at the Hotel	All Partners
10:30	Departure from Hotel	All Partners
09:00 – 10:00	Meeting DesIRE coordinator with International Office	Dirk Van Merode, Frank March
10:00 – 11:00	Inter-Project meeting DesIRE – Ico-op	Coordinators of DesIRE and ICo-op
11:00 – 12:00	DesIRE project meeting	Project Coordinator Dirk Van Merode, All Partners
12:00 – 13:00	Lunch	All Partners
14:00 – 16:00	Visit to the AST Fraunhofer Institute Ilmenau (www.iosb.fraunhofer.de/servlet/is/12672/)	All Partners
17:00 –	Hiking through the Thuringian Forest to the restaurant Bobhütte (www.bobhuette.de)	All Partners

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Tuesday 23/04/2015:

08:30	Breakfast at the Hotel	All Partners
09:30	Departure from Hotel	All Partners
10:00 – 12:00	GOLDi (Grid of online lab devices Ilmenau) – online experiments	GOLDi Team
12:00 – 13:00	Lunch	All Partners
13:00 – 15:00	GOLDi (Grid of online lab devices Ilmenau) – online experiments	GOLDi Team
15:00 – 16:00	Visit to Neuroinformatics and Cognitive Robotics Lab http://www.tu-ilmenau.de/neurob	

Friday 24/04/2015:

08:30	Breakfast at the Hotel	All Partners
09:30	Departure from Hotel	All Partners
10:00 – 12:00	GOLDi (Grid of online lab devices Ilmenau) – usage of different web-control units	GOLDi Team
12:00 – 13:00	Lunch	All Partners
13:00 – 15:00	GOLDi (Grid of online lab devices Ilmenau) – security and safety aspects in online labs	GOLDi Team
15:00 – 16:00	Final discussion, Summary	All Parners

Saturday 25/04/2015:

Departure of all participants

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Wireless LAN Accounts for the meeting:
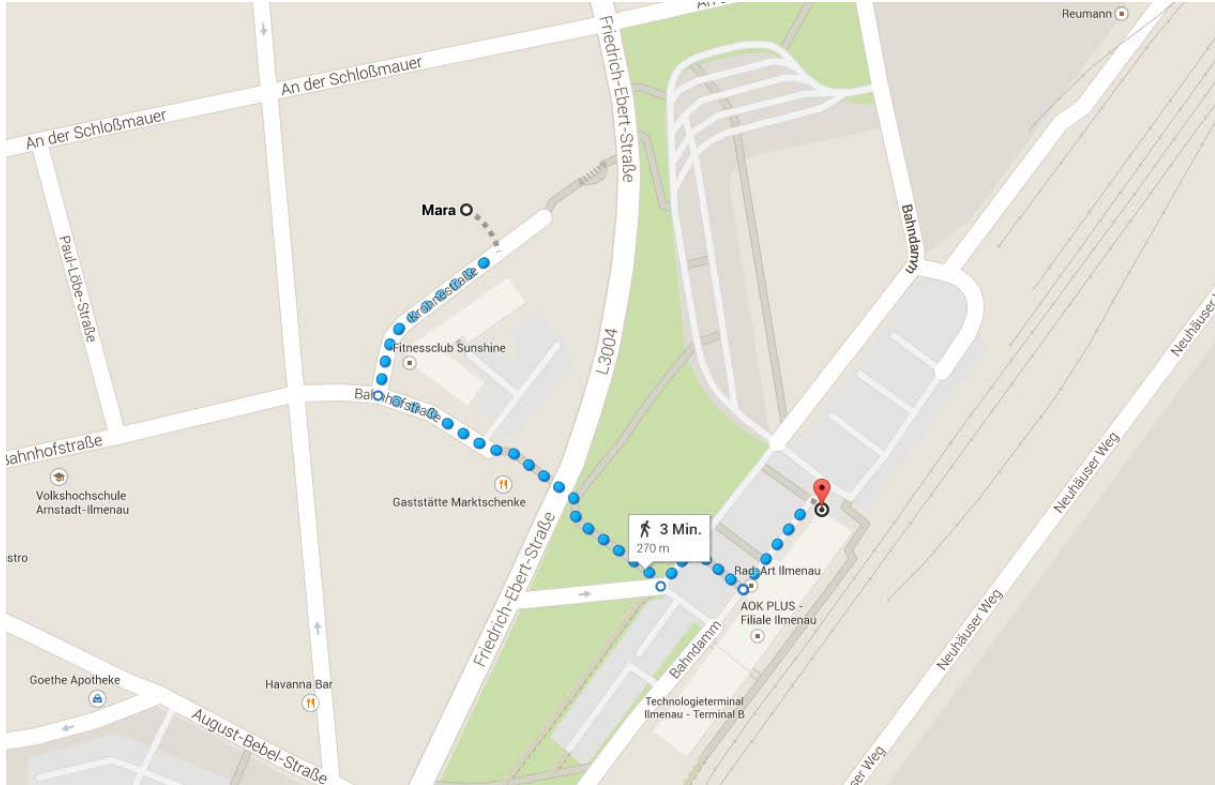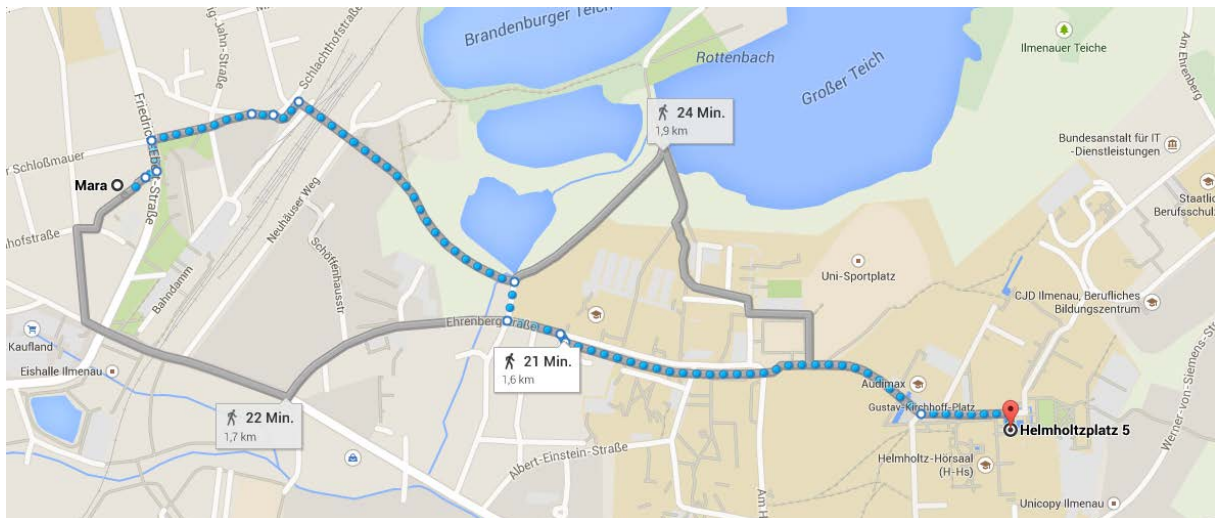
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Train station to Hotel Mara

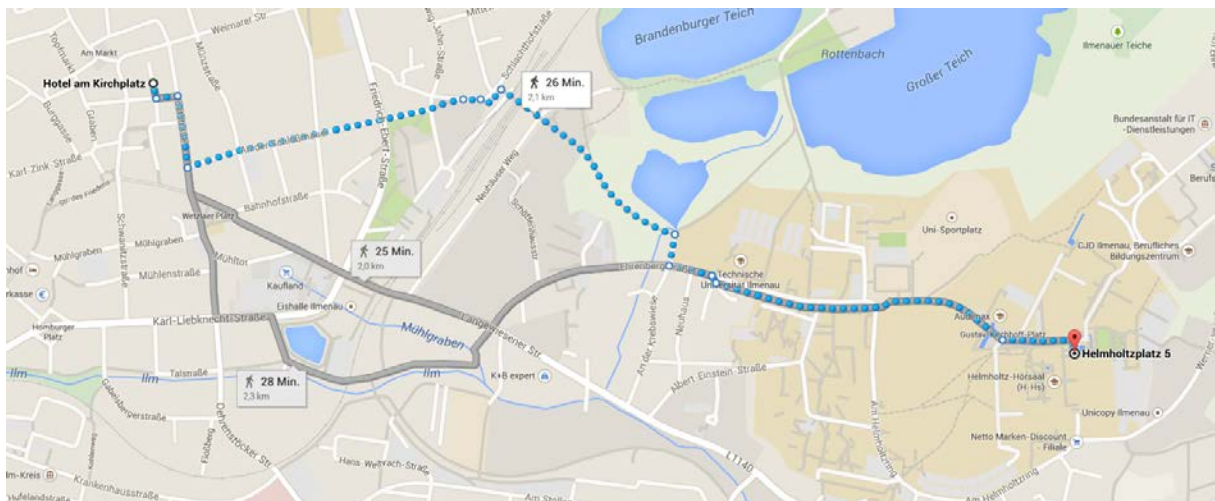**Hotel Mara to Zusebau**

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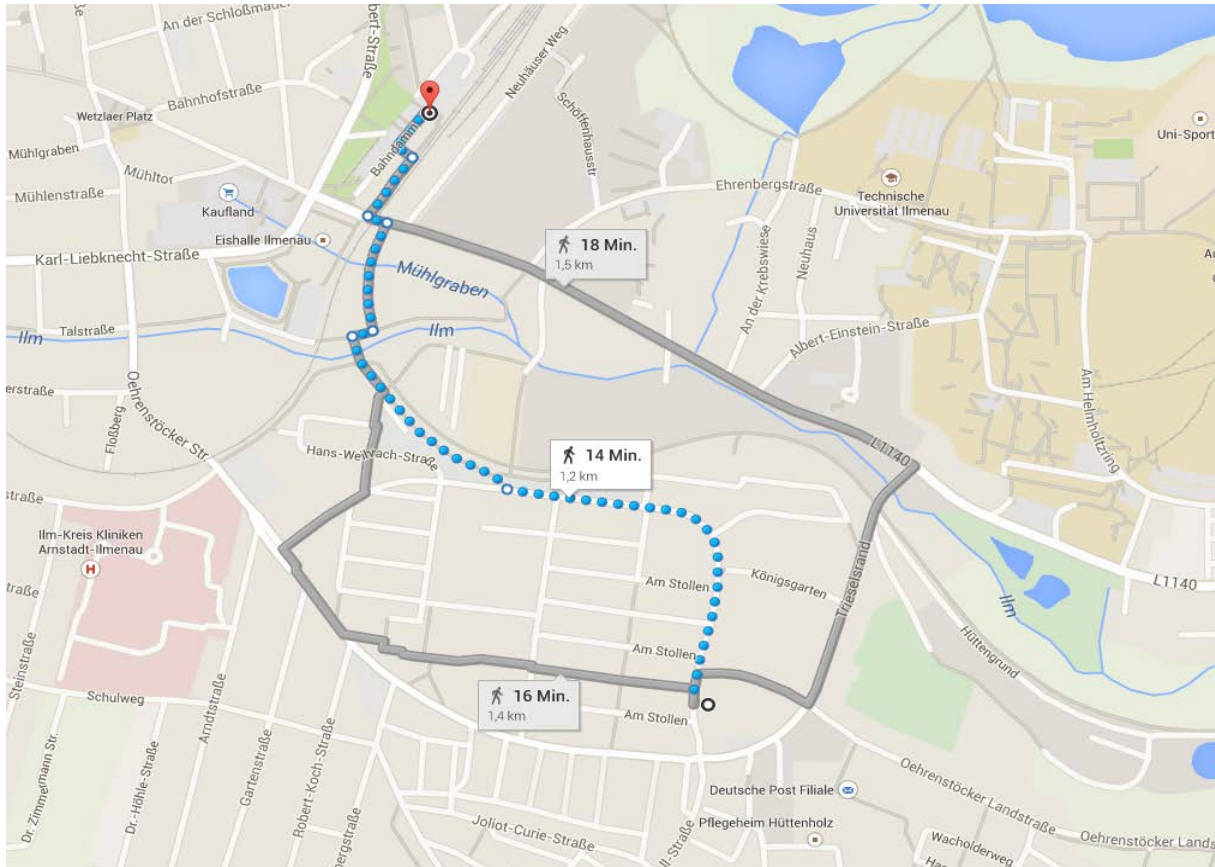
Train station to hotel Kirchplatz
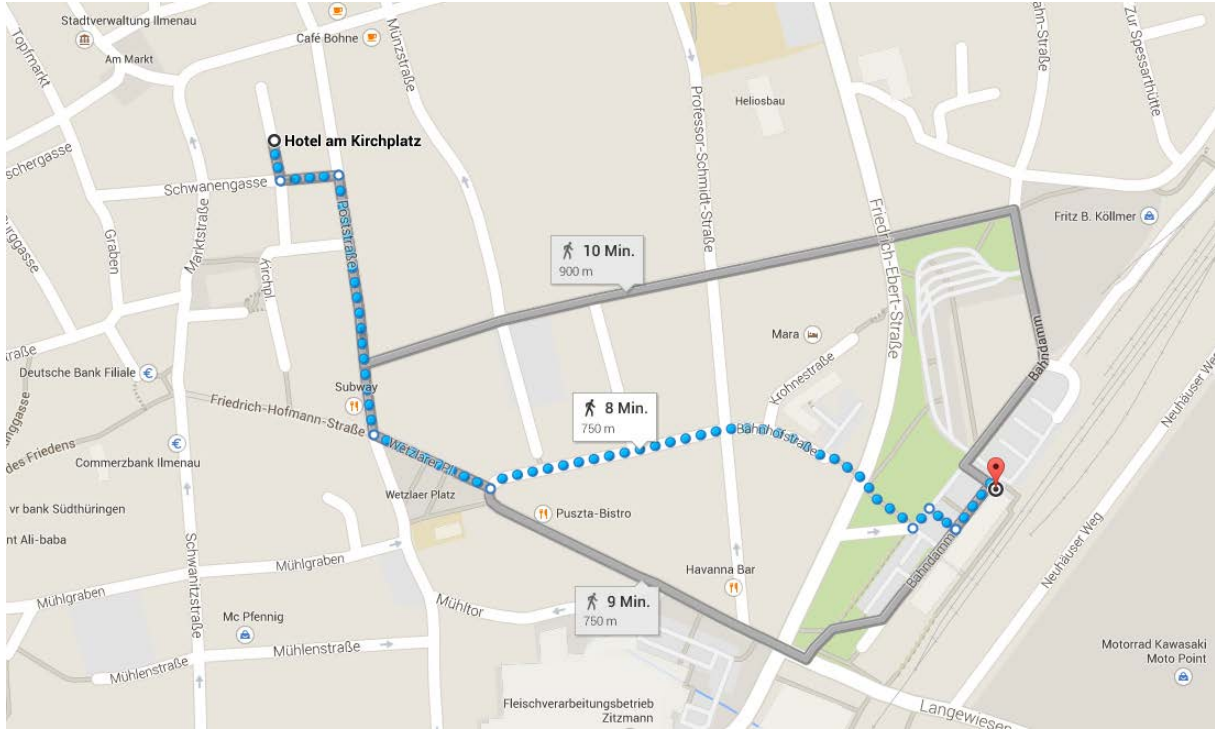
Hotel Kirchplatz to Zusebau

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Train station to Youth hostel

Youth hostel to Zusebau