FINAL PROGRAM

ESM®

22-24 October 2012

FOM Hochschule | ild Institut für Logistik- & Dienstleistungsmanagement der FOM University of Applied Sciences

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In Cooperation with

EffizienzCluster LogistikRuhr

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UNIVERSITY OF SKÖVDE

Universidade do Minho

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General Information

1. Conference Location

The **ESM'2012 Conference** is being held at FOM, Essen, Germany

The conference venue will be the
FOM University of Applied Sciences
Herkulesstrasse 32
45127 Essen, Germany
Tel: +49.201 8100.4444
Fax: +49.201.8100.4990
Email: hella.abidi@fom-ild.de

The registration desk will be placed in the hallway on the ground floor from Monday morning October the 22nd onwards, where registration will start at 08.00 and will end at 5.00 p.m. on Tuesday October 23rd registration will be from 8.30 a.m. - 5.00 p.m. with Wednesday registration only from 8.30 a.m.-9.00. a.m. The way to the conference and desk will be signposted.

ALL MAJOR MAPS ARE AT THE BACK OF THIS PROGRAMME

How to reach the conference location in Essen:

Situated centrally in the Rhine/Ruhr region, Essen is connected to an extensive traffic network. From all over Germany and from abroad Essen is easy to reach from all directions by car, train, plane, and even by water. Within the Verkehrsverbund Rhein-Ruhr Essen provides a comprehensive local passenger transport service within the city and beyond, via its extensive links with the region.

By Plane
Connection to Düsseldorf Airport:
Direct connection Düsseldorf Flughafen/Airport Station to Essen Main-Station By S1, RE 1, RE 2, RE 6 (VRR ticket price level C)
Connection to Dortmund Airport:
From Dortmund airport to Dortmund Main Station with airport express shuttle bus (6,50 €). From Dortmund Main Station to Essen Main Station by S1, RE 1, RE 6, RE 11 (VRR price ticket level C).
Connection to Cologne/Bonn Airport:
From the Airport Cologne/Bonn you take train S13 to Cologne main station from where there are several connections to Essen by Deutsche Bahn
Connection to Münster/Osnabrück Airport:
From Münster/Osnabrück Airport take shuttle bus lines D 50, S 50 or R 51 to Münster main station from where you take the Regionalbahn RE 2, RB42 to Essen or several connections by Deutsche Bahn.

General Information

By Train
Essen Main Station Deutsche Bahn provides several connections from all over Germany by IC, EC or ICE trains. For further information visit www.bahn.de

By Tram and Bus
Essen Main Station - Hollestraße - Nr 145/ 146/ 154/ 155/ 166/ 196/ SB 16 - Hollestraße Rathaus Essen - Hollestraße - Nr 109/ 103 - Hollestraße

By Car
You can reach Essen easily by car because several motorways are located in and around Essen. Take the A 40, Exit 24 Essen-Huttrop in Direction Centre, after some 500 m turn right into Herkulesstraße. Follow the signs „FOM-Hochschule - SHZ I".

2. Badges

Each registrant will receive a name badge upon registration. **The badge must be worn, in order to be admitted to the technical sessions, lunches and social event.**

3. Tickets

Extra tickets for the social event and lunches are available from the registration desk. Price: (or equivalent in another currency) for extra tickets

Extra conference dinner	**€ 60 plus 19% VAT**
Extra lunch ticket	**€ 25 plus 19% VAT**

4. Registration

The ESM'2012 Registration Desk will be open for information and registration:

Monday, October 22 ..... 8.00 a.m. to 5.00 p. m.
Tuesday, October 23 ..... 8.30 a.m. to 5.00 p. m.
Wednesday, October 24 ..... 8.30 a.m. to 9.00 a.m.

The location of the registration desk will be signposted

5. Conference Proceedings

Each fully paid registrant will be provided with a copy of the Conference Proceedings (printed format). **This is NOT applicable to students who are not authors and who have not fully registered.**
(Extra copies are available on a cash and carry basis at special rates during **ESM'2012**)

General Information

Price: (or equivalent in another currency) for an extra copy

ESM'2012 Proceedings CASH AND CARRY	**€ 50 plus 19% VAT**

6. Meeting Rooms

The ESM'2012 conference will be held in ROOM H2 and three meeting rooms on the first floor of the FOM Building (1.03A-1.03B-1.02B). **They are designated A, B and C** in this programme. The way to the rooms will be signposted. WIFI-Internet and electrical connections are available in every room.

7. Need Help?

Please see the conference desk for your questions

8. Social Events and Lunches

All registrants are invited to
All **Coffee Breaks** are served in the hallway in front of the meeting rooms.
The lunches are served in **on the ground floor on the reception level.**

The Conference Dinner
All participants are invited to the conference dinner on **TUESDAY** the 23rd of October. As we need to give an exact number of participants we would appreciate **your confirmation at the desk before Monday evening**.
The dinner will be held at:

Wallberg
RESTAURANT & CATERING

Restaurant Wahlberg
in der Philharmonie Essen
Huyssenallee 53
D-45128 Essen

9. Room Legend

The parallel meeting rooms will be designated **ROOM A (1.03A), B (1.03B) and C (1.02B)** .Signposts will indicate the room number and programme above each door.

10. Best Paper Award

During the conference the papers, which were accepted as **extended** papers will be judged by the committee in order to choose the best paper of the ESM'2012 conference.

Session Chairs information

ALL SESSION CHAIRPERSONS IN THIS PROGRAM ARE PROVISIONAL

Session Chairs are chosen on a voluntary basis by proposals by either authors or local committee members or are appointed by the Track Chairs, General Program Chair or General Conference Chair. They are responsible for their assigned session. They make sure their speakers are available, take care of the timing within the session, chair the discussion after each presentation and introduce each speaker based on the CV's given to them by the authors. **If a session chair is not available then the first author takes on the responsiblity to chair** In case they chair a session featuring **extended papers**, then they are required to distribute and collect the reviews of that or those papers at the beginning and end of the session. If they have time they should also indicate in their papers the number of session participants.

THE NUMBERS NEXT TO THE PRESENTATIONS DENOTE THE PAGE-NUMBERS IN THE PROCEEDINGS. IF NO NUMBERS ARE MENTIONED THEN THIS PAPER IS NOT PUBLISHED IN THE PROCEEDINGS

THE AUTHORS WHO ARE UNDERLINED ARE NORMALLY THE PRESENTERS

PAPERS IN GREY BOXES ARE THE EXTENDED PAPERS ELIGIBLE FOR THE BEST PAPER AWARD

CHECK OUT THE OTHER EUROSIS EVENTS ON OUR WEBSITE:

http://www.eurosis.org

MONDAY, 22nd OCTOBER 2012			
08.00-17.00	REGISTRATION		
09.00-09.15	WELCOME BY PROF MATTHIAS KLUMPP – ESM'2012 CONFERENCE CHAIR - ROOM H2		
09.15-10.00	KEYNOTE ADDRESS BY PROFESSOR UWE CLAUSEN, FRAUNHOFER INSTITUTE - ROOM H2		
10.00-10.30	COFFEE BREAK		
10.30-12.30	PARALLEL SESSIONS		
	ROOM A 1.03A	ROOM B 1.03B	ROOM C 1.02B
	SIMULATION TOOLS	PRODUCT DEVELOPMENT	POLICY AND BUSINESS SIMULATION I
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14.00-15.00	PARALLEL SESSIONS		
	ROOM A 1.03A	ROOM B 1.03B	ROOM C 1.02B
	FUZZY SIMULATION AND AI	AI AND HUMAN MACHINE SIMULATION I	RISK MANAGEMENT
15.00-15.30	COFFEE BREAK		
15.30-17.30	PARALLEL SESSIONS		
	ROOM A 1.03A	ROOM B 1.03B	ROOM C 1.02B
	AI AND HUMAN MACHINE SIMULATION II	HOSPITAL MANAGEMENT LOGISTICS	POLICY AND BUSINESS SIMULATION II
18.00-20.00	FREE EVENING –POSSIBILITY TO VISIT THE ZOLLVEREIN		

TUESDAY, 23rd OCTOBER 2012			
08.30-17.00	REGISTRATION		
09.00-09.30	WELCOME BY PROFESSOR HERMEIER, FOM – ROOM H2		
09.30-10.30	KEYNOTE ADDRESS BY DR. ROBERTO MONTEMANNI, IDSIA - ROOM H2		
10.30-11.00	COFFEE BREAK		
11.00-13.00	PARALLEL SESSIONS		
	ROOM A 1.03A	ROOM B 1.03B	ROOM C 1.02B
	SIMULATION IN THE NUCLEAR INDUSTRY	BIOLOGICAL SIMULATION I	VEHICLE ROUTING AND TRAFFIC
13.00-14.00	LUNCH BREAK		
14.00-15.00	PARALLEL SESSIONS		
	ROOM A 1.03A	ROOM B 1.03B	ROOM C 1.02B
	MAPLESIM TUTORIAL	BIOLOGICAL SIMULATION II	FACILITY PLANNING
15.00-15.30	COFFEE BREAK		
15.30-18.00	PARALLEL SESSIONS		
	ROOM A 1.03A	ROOM B 1.03B	ROOM C 1.02B
	EUROSIS ESM'2013 PREPARATORY MEETING	SIMULATION IN GENETICS AND QTL MAPPING	LOGISTICS ANALYSIS AND PROGNOSIS
19.30 – 23.00	CONFERENCE DINNER		

WEDNESDAY, 24th OCTOBER 2012		
08.30-09.00	REGISTRATION	
09.00 10.00	PARALLEL SESSIONS	
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10.30 12.30	PARALLEL SESSIONS	
	ROOM A 1.03A	ROOM B 1.03B
	ELECTRONIC NETWORKS	TRANSPORT SIMULATION
12.30-12.45	CLOSING SESSION AND BEST PAPER AWARD ROOM A	

NOTES

Notes

Welcome

Monday, 22nd October 2012

HALLWAY

Registration

08.00 - 17.00

ROOM A

09.00 – 09.15

Opening ESM'2012 and Welcome

Welcome Address

Professor Matthias Klumpp
FOM University of Applied Sciences
ESM'2012 General Conference Chair

ROOM H2- 09.15-10.00 **KEYNOTE**
KEYNOTE SPEECH
Chair: Prof. Matthias Klumpp, FOM, Essen, Germany

Simulation and Modelling of Transport Networks and Logistic Nodes
Prof.Uwe Clausen, Fraunhofer Institute of Technology, Dortmund, Germany

Monday, 22nd October 2012

10.00 - 10.30
COFFEE BREAK

10.30 – 12.30

ROOM A – 1.03a - 10.30-12.30 METH
SIMULATION TOOLS
Chair: Prof. Matthias Klumpp, FOM, Essen, Germany

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Monday, 22nd October 2012

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Carlos Bragança de Oliveira and António Carvalho Brito **220**

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Monday, 22nd October 2012

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Monday, 22nd October 2012

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COFFEE BREAK

15.30 - 18.00

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18.00 - 20.00

FREE EVENING AND OPTIONAL VISIT TO THE "ZOLLVEREIN"

For those wishing to visit the "Zollverein" a shuttlebus will be available to take you on a tour of the industrial monument. The tour takes 2 hours.

Tuesday, 23rd October 2012

HALLWAY

Registration

08.30 - 17.00

09.00 – 10.30

ROOM H2- 09.00-09.30 **WELCOME**
WELCOME PRESENTATION
Chair: Prof. Matthias Klumpp, FOM, Essen, Germany

Professor Hermeier, FOM University of Applied Sciences, Essen, Germany

ROOM H2- 09.30-10.30 **KEYNOTE**
KEYNOTE PRESENTATION
Chair: Prof. Matthias Klumpp, FOM, Essen, Germany

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Roberto Montemanni **5**

10.30 - 11.00
COFFEE BREAK

11.00 - 13.00

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Chair: Prof. Torsten Marner, FOM, Essen, Germany

Tuesday, 23rd October 2012

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Chair: Prof. Dilay Celebi, ITU, Istanbul, Turkey

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OPT_06
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Sultan Ceren Salkın and Mahir Öner **358**

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Jan Fikejz and Antonín Kavička **366**

13.00 - 14.00
LUNCH BREAK

14.00 - 15.00

ROOM A- 1.03A 14.00-15.00 **TUT**
MAPLESIM 6 TUTORIAL
Chair: Thomas Richard, Maplesim

In this tutorial, Thomas Richard will demonstrate the latest version MapleSim 6, by explaining structure, fundamental concepts, capabilities, basic usage and hands-on examples (built-in and from scratch).

Tuesday, 23rd October 2012

ROOM B- 1.03B - 14.00-15.00 **BIO**
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Chair: Henrikas Pranevicius, Kaunas Univ.of Techn., Kaunas, Lithuania

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15.00 - 15.30
COFFEE BREAK

15.30 – 18.00

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EUROSIS MEETING AND BACK-UP SESSION
Chair: Philippe Geril, EUROSIS-ETI, Ostend, Belgium

EUROSIS presentation and ESM preparatory meeting plus BACK-UP session

Tuesday, 23rd October 2012

ROOM B- 1.03B- 15.30-17.30 WORK
SIMULATION IN GENETICS AND QTL MAPPING
Chair: Dr. David Mester, University of Haifa, Haifa, Israel

In genetics and breeding of great interest to QTL-mapping methods that were developed in the application package MultiQTL. Currently, this package is not only an effective tool for research in the field, but also a useful tool in teaching students specializing in applied genetics. The package presented to the next MultiQTL set of tools which are based on modeling:

ROOM C- 1.02B - 15.30-18.00 LOGIS
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Chair: Hella Abidi, FOM, Essen, Germany

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Andreas Berrisch, Matthias Klumpp and Dilay Celebi **337**

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Tuesday, 23rd October 2012

CONFERENCE DINNER – 19.30 -23.00

All participants are invited to the conference dinner which will be held from 19.30 to 23.00 at

Restaurant Wahlberg
in der Philharmonie Essen
Huyssenallee 53
D-45128 Essen
Tel: +49.(0)201.8122.8610

The participants will either be able to walk to the dinner location from FOM leaving at 19.00 hours or be taken by shuttle bus from FOM to the dinner location

Shuttle Bus 1: departure 18.45 p.m.
Shuttle Bus 2: departure 19.15 p.m.

Wednesday, 24th October 2012

HALLWAY

Registration

08.30 - 09.00

09.00 – 10.00

ROOM A- 1.03A - 09.00-10.00 **TUT**
MAPLESIM 6 TUTORIAL
Chair: Thomas Richard, Maplesim

As some of the participants might have missed the tutorial on Tuesday, Thomas Richard will repeat the demonstration of the latest version MapleSim 6.

ROOM B - 1.03B - 09.00-10.00 **LOGIS**
SUPPLY CHAIN SIMULATION
Chair: Prof. Matthias Klumpp, FOM, Essen, Germany

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10.00 - 10.30
COFFEE BREAK

Wednesday, 24th October 2012

10.30 - 12.30

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Chair: Prof. Gregor Sandhaus, FOM, Essen, Germany

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Eduardo M.D. Marques, Jorge J.F. Sousa and Paulo N.M. Sampaio **131**

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Wednesday, 24th October 2012

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Christina Westphal, Victor Kuchshaus, Philipp Düppe, Matthias Klumpp and Hella Abidi **399**

ROOM A – 1.03A - 12.30 - 12.45 BEST PAPER

CLOSING SESSION AND BEST PAPER AWARD

Chair: Prof. Matthias Klumpp, FOM, Essen, Germany

EUROSIS
Philippe Geril, EUROSIS, Ostend, Belgium

ESM'2013

SEE YOU ALL

OCTOBER 23-25, 2013
FOR ESM'2013

At the University of Lancaster, October 23-25, 2013,
Lancaster, United Kingdom
Track proposals and tutorial proposals can be sent in by
January 30th, 2013

Proposals for future event locations can be emailed to
philippe.geril@eurosis.org

Information on all 2012-2013 EUROSIS
Events can be found on
http://www.eurosis.org

ESM'2013 - Lancaster University-UK

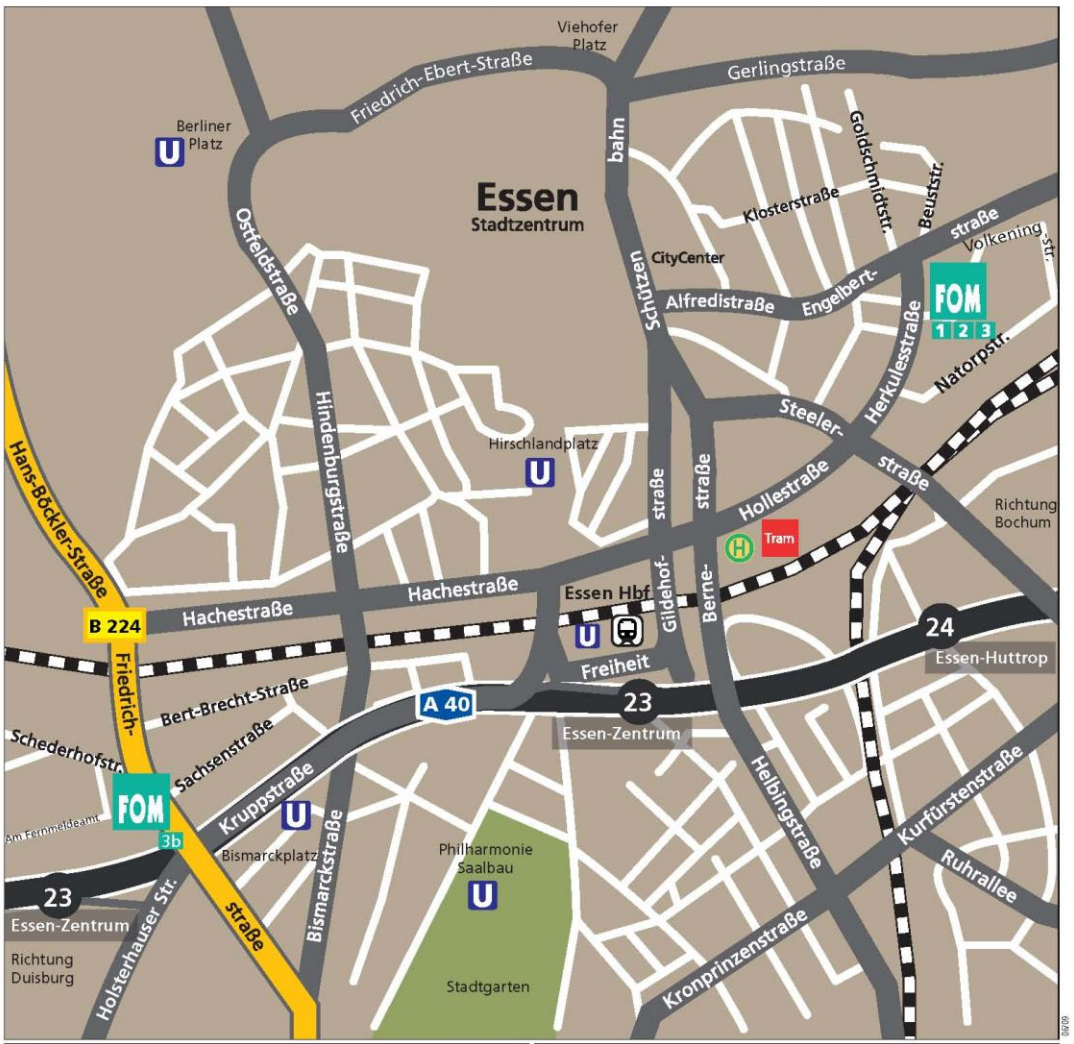
Conference Site Map

Conference Site Maps

FOM LOCATION MAP

FOM Hochschule

Hochschulstudienzentrum Essen

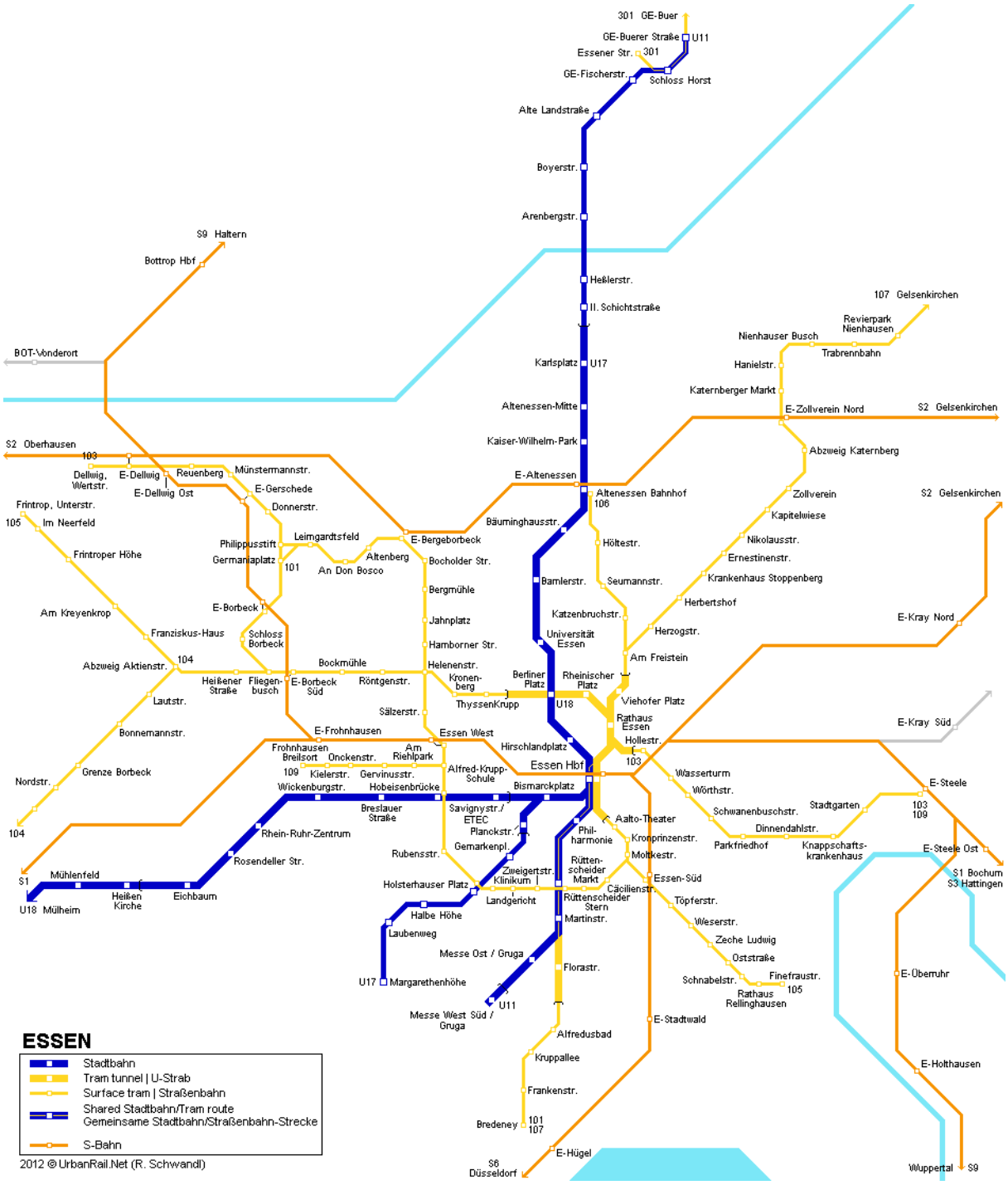


1 Studienberatung
2 Info-Veranstaltungen
3 Lehrveranstaltungen
FOM Hochschule für Oekonomie
& Management gemeinnützige GmbH Essen
Schulungs- und Hörsaalzentrum I (SHZ I)
Herkulesstraße 32
45127 Essen

Postanschrift
FOM Hochschule für Oekonomie
& Management gemeinnützige GmbH Essen
Schulungs- und Hörsaalzentrum I (SHZ I)
Herkulesstraße 32
45127 Essen

3b Lehrveranstaltungen
FOM Hochschule für Oekonomie
& Management gemeinnützige GmbH Essen
Europa-Center
Am Fernmeldeamt 29
45127 Essen

Conference Site Maps



The Essen Public Transport Map

Conference Site Map

EUROSIS was borne out of discussions with the European Community to set up a new kind of Society, which would be project-driven instead of driven by pure membership and conferences.

The aim of the Society is to set up and manage topic related Technical Committees which will link directly to European Projects in the field of computer simulation and related areas and to act as a knowledge pool for future European Networks of Excellence, like MOSAIC.

If you would like to receive more information about EUROSIS, please contact

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EUROSIS Info