

FINAL PROGRAM



2007

25-27, April 2007
Delft, The Netherlands

Organized by

eurosis

Co-Sponsored by



DAIMLERCHRYSLER



DGINFSO



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General Information

1.1 Conference Location

The Conference itself is held at

**Delft University of Technology
Aula Conference Centre
Mekelweg 5
2628 CD Delft, The Netherlands**

The registration desk will be placed in the hallway in front of the meeting rooms on the first floor. Registration will start on Wednesday at 8.30 a.m. till 3.00 p.m. On Thursday it will be from 8.30 a.m. - 3.00 p.m. with Wednesday registration only from 9.00 a.m.- 09.30. a.m.

ALL MAPS ARE AT THE BACK OF THIS PROGRAMME

1.2 How to get there

By Air

When arriving in the Netherlands, you will most likely arrive at Shiphol Airport near Amsterdam. At the airport itself you can transfer to the rail network. You can either take a train to The Hague/Rotterdam and change trains at The Hague Holland Spoor or go on to Rotterdam, change trains there and return to Delft. In both cases the distance to Delft is about 20 mins.

By Bus

The TU Campus can be reached from Delft Station with the district lines 69, 121 or 129.

By Car

The TU Campus is easily accessible by car via the A13, exit Delft/Pijnacker and exit Delft Zuid/TU-wijk.

1.3 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. Participants to the three events as well as the workshop participants will be designated by differently coloured dots.

General Information

1.4 Tickets

Extra tickets for the social event and lunches are available from the registration desk.

Price: (or equivalent in another currency) for extra tickets. All participants will be issued with tickets for lunch and the conference dinner

conference dinner:	€60
lunch	€30

1.5 Registration

The **FUBUTEC-EUROMEDIA-ECEC'2007** Registration Desk will be open for information and registration:

Wednesday, April 25.....8.30 a.m. to 3.00 p. m. in the hallway 1st Floor

Thursday, April 26.....8.30 a.m. to 3.00 p. m. in the hallway 1st Floor

Friday, April 279.00 a.m. to 9.30 a.m. in the hallway 1st Floor

1.6 Conference Proceedings

Each fully paid registrant will be provided with a copy of the Conference Proceedings (printed format).

(Extra copies are available on a cash and carry basis at special rates during FUBUTEC2007-Euromedia'2007-ECEC2007)

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

EUROMEDIA'2007 Proceedings	€35
ECEC'2007 –FUBUTEC 2007 Proceedings	€25

Other Proceedings can be ordered using the forms available at the conference.

1.7 Meeting Rooms

The meeting rooms will be designated and signposted as ROOM A-B-C at the conference.

Commissiekamer 2: ROOM A

Commissiekamer 1: ROOM B

Commissiekamer 3: ROOM C

General Information

1.8 Internet Connections

Guest accounts to use the **WIFI network** have been requested for the duration of the conference. More information will be available at the conference.

1.9 Need Help?

Please see the conference desk for your questions

1.10 Social Events and Lunches

All registrants are invited to

The **get-together party** on **Thursday April 26th at 3.00 p.m.**

Lunches on Wednesday and Thursday and Coffee Breaks will be served at the Delft University of Technology in the **Van Hasseltzaal**

The Conference Dinner

All participants are invited to the conference dinner which, **will be held at the Prinsenkelder on the 26th of April from 8.00 p.m. onwards.** As we need to give an exact number of participants we would appreciate **your confirmation at the desk before Wednesday evening.** (for those who have as yet not done so)

The Conference Visit

As most participants come from the multimedia branch of research we have decided to organize a **guided tour of the Vermeer centre**, which opened its doors to the public on April 20th and which boasts a Vermeer multimedia experience on his life and work. This, the **first part of the conference visit** is scheduled for **Wednesday the 25th of April**

The **second part** linked to the previous day, on **Thursday the 26th of April** is a **guided boat tour** of Delft, which will show how much of Vermeer's work can still be found around Delft.

1.12 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 FUBUTEC'2007, EUROMEDIA'2007 and ECEC'2007 conference.

General Information

1.13 Paper Legend:

Each paper is designated before each paper by it's number. This number has to be entered on the form for the best paper award

Every Room has an LCD projector and an overhead projector

**ALL SESSION CHAIRPERSONS IN THIS PROGRAM ARE
PROVISIONAL**

**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>

WEDNESDAY, 25th APRIL 2007

08.30-15.00	REGISTRATION	
09.30-10.30	OPENING SESSION AND KEYNOTE SPEECH BY PIETER JAN STAPPERS ROOM C	
10.30-11.00	COFFEE BREAK	
	PARALLEL SESSIONS	
11.00-12.30	ROOM A	ROOM B
	D-TV WORKSHOP I	DATAMINING AND MANAGEMENT INFORMATION SYSTEMS
12.30-13.30	LUNCH BREAK	
13.30-15.00	PARALLEL SESSIONS	
	ROOM A	ROOM B
	D-TV WORKSHOP II	GUIDED VEHICLE SIMULATION
15.45-16.45	GUIDED TOUR OF THE MULTIMEDIA EXHIBITION AT THE VERMEER CENTRE	
FREE EVENING		

THURSDAY, 26th APRIL 2007					
08.30-16.00	REGISTRATION				
09.00-10.00	PARALLEL SESSIONS				
	<table border="1"> <thead> <tr> <th>ROOM A</th> <th>ROOM B</th> </tr> </thead> <tbody> <tr> <td>MEDIA DATA COLLECTION</td> <td>VEHICLE BASED MULTIMEDIA</td> </tr> </tbody> </table>	ROOM A	ROOM B	MEDIA DATA COLLECTION	VEHICLE BASED MULTIMEDIA
ROOM A	ROOM B				
MEDIA DATA COLLECTION	VEHICLE BASED MULTIMEDIA				
10.00-10.30	COFFEE BREAK				
10.30-12.30	PARALLEL SESSIONS				
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ROOM A	ROOM B				
WEB BASED APPLICATIONS	BUSINESS MODEL SIMULATION				
12.30-14.00	LUNCH BREAK				
14.00-15.00	PARALLEL SESSIONS				
	<table border="1"> <thead> <tr> <th>ROOM A</th> <th>ROOM B</th> </tr> </thead> <tbody> <tr> <td>WEB ENVIRONMENTS</td> <td>AUDIO VISUAL APPLICATIONS</td> </tr> </tbody> </table>	ROOM A	ROOM B	WEB ENVIRONMENTS	AUDIO VISUAL APPLICATIONS
ROOM A	ROOM B				
WEB ENVIRONMENTS	AUDIO VISUAL APPLICATIONS				
15.00-15.30	COFFEE BREAK AND GET-TOGETHER PARTY				
16.00-18.00	BOAT TRIP ON THE DELFT CANALS				
20.00-22.30	Conference Dinner at the Prinsenkelder				

FRIDAY 27TH APRIL 2007		
09.00-09.30	REGISTRATION	
09.00 10.00	PARALLEL SESSIONS	
	ROOM A	ROOM B
	UBIQUITOUS COMPUTING I	BACK-UP SESSION
10.00-10.30	COFFEE BREAK	
10.30 12.30	PARALLEL SESSIONS	
	ROOM A	ROOM B
	UBIQUITOUS COMPUTING II	PREPARATORY MEETING EUROMEDIA-ECEC-FUBUTEC 2008 PORTO 2008 AND 3D ACADEMY-AND FP7 PROPOSAL REGPOT-2007-1: Unlocking and developing the research potential in the EU's convergence regions and outermost regions
12.30-12.45	CLOSING SESSION AND BEST PAPER AWARD ROOM A	

Wednesday, 25th April 2007

HALLWAY

Registration

08.30 - 15.00

ROOM C

09.00 – 10.00

**Opening FUBUTEC 2007 - ECEC 2007- EUROMEDIA2007
and Welcome**

Welcome Address

**Dr. Leon Rothkrantz and Dr. Charles van der Mast
Delft University of Technology
Faculty of Electrical Engineering, Mathematics and Computer Science
Department Man-Machine Interaction
EUROMEDIA'2007 Conference Chairs**

Welcome - Wednesday

Wednesday, 25th April 2007



ROOM C

09.15 - 10.00

Chair: Leon Rothkrantz, Delft University of Technology, Delft, The Netherlands

KEYNOTE

New Media Tools to support Design Conceptualization

Pieter Jan Stappers, Daniel Saakes, Aadjan van der Helm

and Gert Pasma..... 5

Wednesday, 25th April 2007

10.30 - 11.00
COFFEE BREAK

11.00 – 12.30



ROOM A- 11.00-12.30

WORKSHOP ON DIGITAL TELEVISION & DIGITAL SPECIAL INTEREST CHANNELS I

Chair: Hans-Joachim Nern, TTVI, Duesseldorf, Germany

D-TV-07

Web Services and Tools for their Composition considering Aspects of Digital TV Workflow

Hristina Daskalova and Tatiana Atanasova 139

D-TV-02

Framework Approach for Search and Meta-Data Handling of AV Objects in Digital TV Cycles

Tatiana Atanasova, H. Joachim Nern, Andrzej Dziech and Nikitas M. Sgouros..... 145

D-TV-06

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Nikitas M. Sgouros 148

D-TV-03

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H. Joachim Nern, Andrzej Dziech, Victor Dimtchev and Georg Jesdinsky 150



ROOM B- 11.00-12.30

DATAMINING AND MANAGEMENT INFORMATION SYSTEMS

Chair: Charles van der Mast, Delft Univ. of Technology, NL

FUBUTEC-08

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Pierre L.Douillet and Besca Rabenasolo 29

Parallel Sessions - Wednesday

Wednesday, 25th April 2007

ECEC-01

Directed Access of Multichannel E-Commerce Systems to Data Sources of Integrated SME Information Systems

Christian-Andreas Schumann, Claudia Tittmann, Michael Didszun, Egon Müller, Ralph Riedel, Andreas Rutsch, Jörg Wolle, Jochen Schwend and Josef Zihlmann 34

ECEC-02

ICT Security Management

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FUBUTEC-04

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William E. Biles, Jack P. C. Kleijnen and Wim C.M.van Beers 39

12.30 - 13.30

LUNCH BREAK

13.30 – 15.00

ROOM A- 13.30-15.00



WORKSHOP ON DIGITAL TELEVISION & DIGITAL SPECIAL INTEREST CHANNELS II

Chair: Hans-Joachim Nern, TTVI, Duesseldorf, Germany

D-TV-01

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Jakob Wasserman, H. Joachim Nern and Andrzej Dziech 155

D-TV-05

“Souvenirs from the Earth” – An Innovative Special Interest Channel for Video Art

Marcus Kreiss..... 158

D-TV-04

Relevant Business Aspects of Ambient Media in Future Digital Television Area

Lars Riedel..... 160

Wednesday, 25th April 2007



ROOM B- 14.00-15.00
GUIDED VEHICLE SIMULATION

Chair: Stijn Oomes, Delft Univ. of Technology, Delft, NL

ECEC-03

Lightweight UAV Simulation for use in Multi-Agent Human-in-the-Loop Experiments

Bram de Beer and Michael Lewis 51

ECEC-06

Simulation of a Sensorguided Industrial Robot for Add-on Part Mounting

Andreas Domke 57

We walk in group to the Vermeer Centre

15.45 – 16.45

A GUIDED TOUR OF THE VERMEER CENTRE MULTIMEDIA EXPERIENCE



Vermeercentrum
Voldersgracht 21
2611 EV Delft
T +31 (0)15 - 213 85 88
E info@vermeerdelft.nl
W www.vermeerdelft.nl

FREE EVENING

Parallel Sessions - Wednesday

Thursday, 26th April 2007

HALLWAY

Registration

08.30 - 15.00

09.00 – 10.00

ROOM A- 09.00-10.00

MEDIA DATA COLLECTION

Chair: Jeanne Schreurs, Hasselt University, Hasselt, Belgium



MEDIATEC-05

The Use of Storyboard in Audio-Visual Data Collection

Z. Yang, Xiaoan Wang and L. J. M. Rothkrantz 81

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Alin G. Chitu and Leon J.M. Rothkrantz..... 88

ROOM B - 09.00-10.00

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Chair: Stijn Oomes, Delft Univ. of Technology, Delft, NL



COMTEC-01

Position Enhancement Technique Using GPS-GSM Model for Vehicle Location Systems

Jamal Suliman Rahhal and Dia I. Abu-Al-Nadi..... 127

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Thursday, 26th April 2007

10.00 - 10.30
COFFEE BREAK

10.30 - 12.30



ROOM A 10.30-12.30
WEB BASED APPLICATIONS
Chair: Leon Rothkrantz, Delft Univ. of Technology, Delft, NL

WEBTEC-01
A Web Based Solution supporting the Integration of Virtual Reality Environments in Logistics Applications
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WEBTEC-02
A Web-Based Solution to manage Distributed Discrete Event Simulation
Alberto Coen-Porisini, Pietro Colombo, Ignazio Gallo and Antonella Zanzi 19

WEBTEC-03
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and Mark Neerincx 37



ROOM B - 10.30-12.30
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FUBUTEC-02
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Thursday, 26th April 2007

FUBUTEC-06

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ECEC-09

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12.30 - 14.00

LUNCH BREAK

14.00 - 15.00

ROOM A - 14.00-15.00

WEB ENVIRONMENTS

Chair: Jeanne Schreurs, Hasselt University, Hasselt, Belgium



APTEC-10

VU @ Second Life_ – creating a (virtual) community of learners

Anton Eliens, Frans Feldberg, Elly Konijn and Egon Compter 45

ETEC-01

Intelligent Advertisement for E-Commerce

Stephan Kassel, Christian-Andreas Schumann and Claudia Tittmann 53

ROOM B - 14.00-15.00

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Chair: Leon Rothkrantz, Delft Univ. of Technology, Delft, NL



MEDIATEC-04

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Joost Voordouw, Zhenke Yang, Leon J.M. Rothkrantz and Charles A.P.G. van der Mast 61

Thursday, 26th April 2007

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COFFEE BREAK AND GET-TOGETHER PARTY

16.00 - 18.00

BOAT TRIP ON THE CANALS OF DELFT

20.00 – 22.30

**FUBUTEC-ECEC-EUROMEDIA 2007
Conference Dinner**



Restaurant "[De Prinsenkelder](#)"

Schoolstraat 11

2611 HS Delft

Tel: +31.15.212.18.60

Fax: +31.15.213.33.13

E-mail: info@de-prinsenkelder.nl

Parallel Sessions - Thursday

Friday, 27th April 2007

HALLWAY

Registration

09.00 - 09.30

09.00 – 10.00

ROOM A - 09.00-10.00

UBIQUITOUS COMPUTING I

Chair: Anton Eliens, Vrije Universiteit Amsterdam, NL.



APTEC-09

Interactive Augmentation of Photographs depicting Prehistoric Engravings

Christophe Dehais, Vincent Charvillat and Jean Conter 74

APTEC-01

**A Proposal of a Sensor-handling Mechanism Using a P2P Agent Platform
for Ubiquitous Environment**

Yoshimasa Ishi, Yuuichi Teranishi, Kaname Harumoto and Shinji Shimojo 95

ROOM B - 09.00-10.00

BACK-UP SESSION

Chair: to be announced



This session is set aside for those participants who through circumstances beyond their control were unable to give their presentation at the allotted time.

10.00 – 10.30

COFFEE BREAK

Friday, 27th April 2007

10.30 - 12.30

ROOM A - 10.30-12.30

UBIQUITOUS COMPUTING II

Chair: Charles van der Mast, Delft Univ. of Technology, NL



APTEC-05

Personal Adaptive PDA Interface

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Mathematics in Everyday Life: Between Art and Science

A.Cascone, G.Durazzo and V.Stile..... 106

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Anton Eliens and Yiwen Wang 111

APTEC-08

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Olivier A. Blanson Henkemans, Stefano Bonacina, Nicola Capiello,
Charles A.P.G. van der Mast, Mark. A. Neerinx and Francesco Pinciroli 119

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PREPARATORY MEETING ECEC-EUROMEDIA-FUBUTEC 2007 IN PORTO, PORTUGAL APRIL 9-11, 2008 AND FP7 PROJECTS LIKE 3-D ACADEMY AND REGPOT-2007

Chair: Philippe Geril, EUROSIS-ETI, Ghent, Belgium



12.30 - 12.45

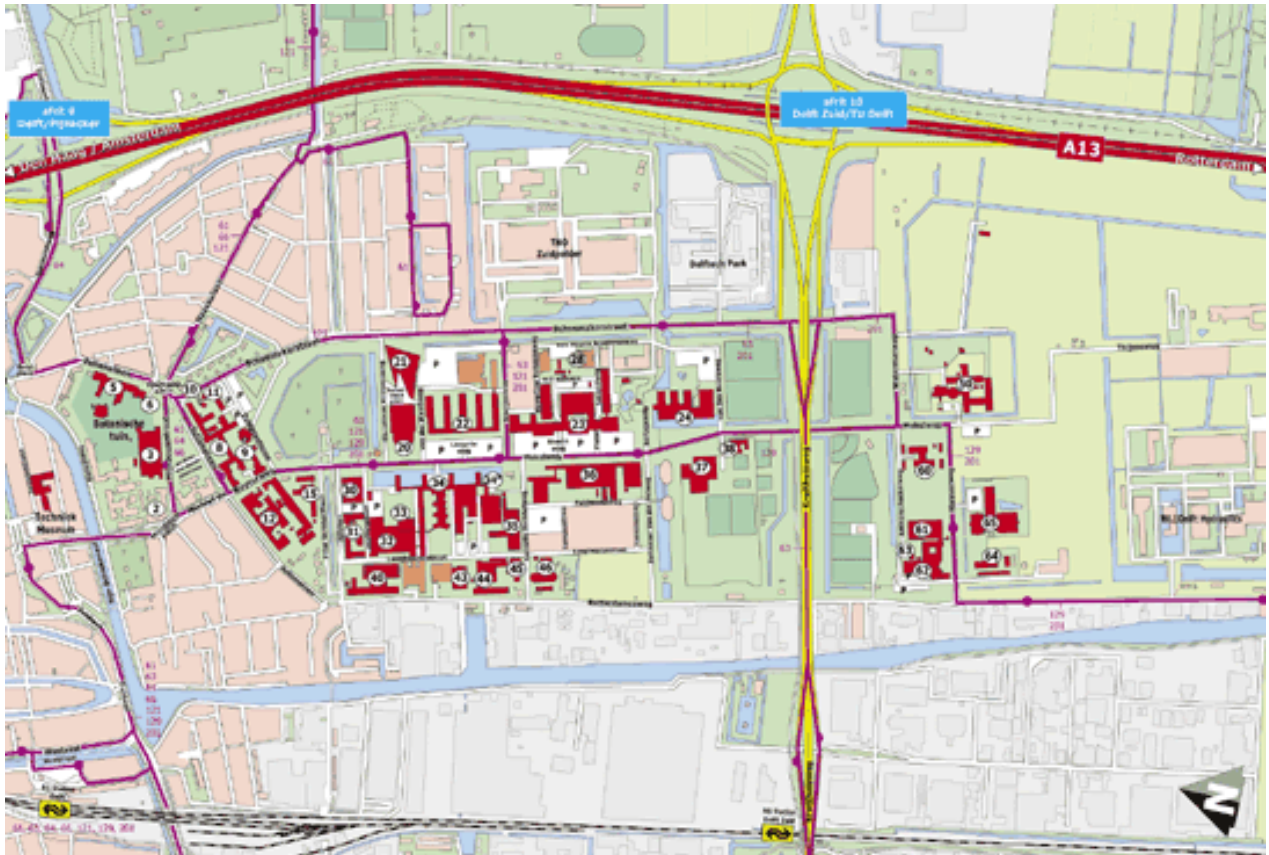
ROOM A 12.30 - 12.45

Closing Session and Best Paper Award



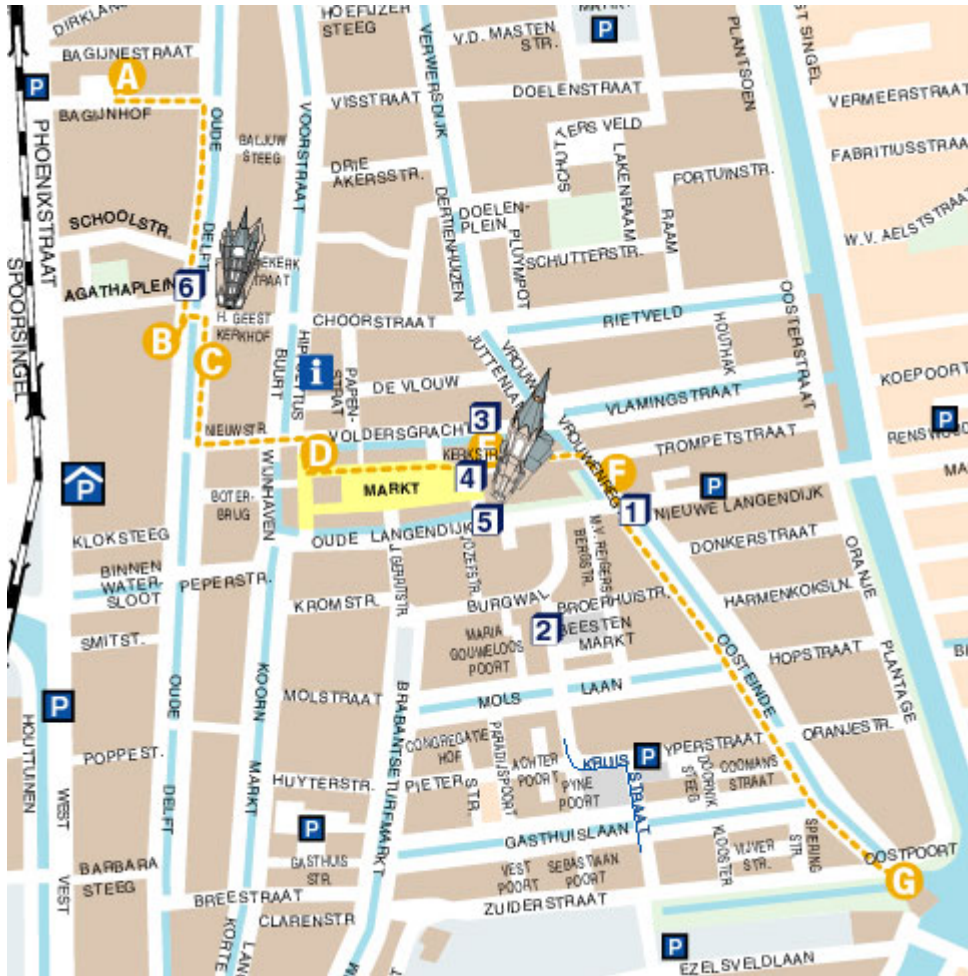
Parallel Sessions - Friday

Conference Site Maps



**Delft University of Technology
Campus**

Conference Site Maps



Delft City Centre

eurosis

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 new Society will be to set up 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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