

# FINAL PROGRAM



2004



2004



19-21. April 2004  
Hasselt, Belgium

Organized by



Co-Sponsored by



DAIMLERCHRYSLER

belgacom



DGINFSO



Flanders Multimedia Valley





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## General Information

### 1.1 Conference Location

The Conference is held at

**Huize Corswarem**  
**Maastrichterstraat 63**  
**B-3500 Hasselt**  
**Belgium**

[http://www.gomlimburg.be/huis\\_de\\_corswarem.htm](http://www.gomlimburg.be/huis_de_corswarem.htm)

The registration desk will be placed at the entrance of the hallway on the ground floor. Registration will start on Monday at 8.15 a.m. till 5.00 p.m.. On Tuesday it will be from 8.30 a.m. - 5.00 p.m. with Wednesday registration only from 8.30 a.m.- 09.00. a. m.

**ALL MAPS ARE AT THE BACK OF THIS PROGRAMME**

### 1.2 How to get there

#### By Rail:

Hasselt is an IC station, accessible seven days a week.

Train information: [NMBS](#) Station Hasselt, telephone +32.(0).11 29 60 00. An information kiosk is located in the station.

#### By coach

Fast bus services from Maaseik, Lommel, Neerpelt and Geel regularly call in at Stationsplein in Hasselt. Virtually all Limburg communities have good connections with Hasselt. Bus information: De Lijn Limburg, telephone +32 (0)11 85 03 03. An information kiosk is located at Stationsplein.

#### Free city buses in Hasselt

How does this system operate?

-Monday to Saturday (not on public holidays)

Free bus services H1 to H9 depart every half hour from Stationsplein in the direction of residential areas, local boroughs, Hasselt centre and a number of tourist attractions, nature reserves and places of interest.

-On Sundays and public holidays

2 connections are available: the H11 and H12 services. They depart every hour.

-BP shuttle service

connects all stops along the inner ring road and the station (every 5 minutes)

-CP shuttle service

connects the station with the Grote Markt (central square) (every 10 minutes).

By car  
 To Hasselt by car  
 Hasselt and its carparks are easily accessible via the E313 (exits 27-28-29) and E314 (exit 29) motorways.

### 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.

### 1.4 Badge Tags

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

<b>conference dinner:</b>	<b>40 EUR</b>
<b>lunch</b>	<b>35 EUR</b>

### 1.5 Registration

The Euromedia-ECEC'2004 Registration Desk will be open for information and registration:

**Monday, April 19..... 8.15 a.m. to 5.00 p. m. in the hallway**  
**Tuesday, April 20 ..... 8.30 a.m. to 5.00 p. m. in the basement**  
**Wednesday, April 21 ..... 8.30 a.m. to 9.00 in the basement**

### 1.6 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.** (Extra copies, are available on a cash and carry basis at special rates during Euromedia'2004-ECEC2004)

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

<b>EUROMEDIA'2004 Proceedings</b>	<b>40 EURO</b>
<b>ECEC'2004 Proceedings</b>	<b>40 EURO</b>

### 1.7 Meeting Rooms

The meeting rooms are  
**The Main Hall on the ground floor, for the first keynote: Adrien de Corswarem**  
**Room A: first floor: Florent Villers**  
**Room B: first floor: Jan Jozef Thonissen**  
**Internet connection in the Hall Way**

## 1.8 Internet Connections

Internet Connections will be available for the conference participants during the conference. It will be open from Monday morning till Wednesday morning 10.30 a.m..

## 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 Sunday April 18<sup>th</sup> at 6.30 p.m. on the main market square of Hasselt. The location will be indicated by ECEC-EUROMEDIA signs.

All lunches are served at Huize Corswarem.

A Visit to Hasselt on Monday evening by organized tour. Time schedule details will be available at the conference.

### The Conference Dinner

All participants are invited to the conference dinner on Tuesday the 20th of April. As we need to give an exact number of participants we would appreciate **your confirmation at the desk before Monday evening**.

## 1.11 Company Visit

A company visit is envisaged on Tuesday afternoon after lunch to the **Essers Group company. Genk (Transportlaan 2-4)** The number of participants is limited to 20 people, so participants are requested to register the day before.

The visit will be as follows:

14.00 – 14.15: Introduction of the Essers Group Company

by Mr. Koen Rogiers, Dir. Warehousing and/or mr. Ivo Marechal, CEO

14.15 – 15.00 : Presentation on Transport Constraints

by Mr. Koen Rogiers, Dir. Warehousing

15.00 – 15.30 Tour of the Warehouse

Which means and methods are used to manage a modern warehouse

15.30 – 16.00 Tracking and tracing Trucks and Goods

by Mr. Dominique Cuypers, ICT Group leader Communication

## 1.7 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 EUROMEDIA'2004 and ECEC'2004 conference.

## 1.8 Paper Legend:

**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://biomath.ugent.be/~eurosis>

**And**

<http://www.eurosis.org>

<b>SUNDAY, 18<sup>th</sup> APRIL 2004</b>			
18.30-19.30	<b>WELCOME DRINK ON THE MAIN MARKET IN HASSELT</b>		
<b>MONDAY, 19<sup>th</sup> APRIL 2004</b>			
08.30-17.00	<b>REGISTRATION</b>		
09.00-10.00	<b>OPENING SESSION AND KEYNOTE SPEECH BY CATERINA REHM BERBENNI</b>		
10.00-10.30	<b>COFFEE BREAK</b>		
10.30-11.15	<b>KEYNOTE SPEECH BY RONALD TUNINGA ROOM B</b>		
	<b>PARALLEL SESSIONS</b>		
11.15-12.45	<b>ROOM A</b>	<b>ROOM B</b>	<b>HALL WAY</b>
	<b>COLLABORATIVE CE-ENVIRONMENTS</b>	<b>TELECOMMUNICATION APPLICATIONS</b>	<b>INTERNET</b>
12.45-14.00	<b>LUNCH BREAK</b>		
14.00-15.00	<b>PARALLEL SESSIONS</b>		
	<b>ROOM A</b>	<b>ROOM B</b>	<b>HALL WAY</b>
	<b>PROCESS MANAGEMENT</b>	<b>WEBTECHNOLOGY FOR BUSINESS APPLICATIONS</b>	<b>INTERNET</b>
15.00-15.30	<b>COFFEE BREAK</b>		
15.30-18.00	<b>PARALLEL SESSIONS</b>		
	<b>ROOM A</b>	<b>ROOM B</b>	<b>HALL WAY</b>
	<b>DATA WAREHOUSING</b>	<b>E-LEARNING STANDARDS AND ANIMATION TECHNIQUES</b>	<b>INTERNET</b>
<b>CITY VISIT</b>			



<b>TUESDAY, 20<sup>th</sup> APRIL 2004</b>			
<b>08.30-17.00</b>	<b>REGISTRATION</b>		
<b>09.00-10.00</b>	<b>PARALLEL SESSIONS</b>		
	<b>ROOM A</b>	<b>ROOM B</b>	<b>HALL WAY</b>
	<b>PROCESS PLANNING</b>	<b>INVITED SPEAKER F.DEWEVER KNOWLEDGE IN KNOWLEDGE MANAGEMENT</b>	<b>INTERNET</b>
<b>10.00-10.30</b>	<b>COFFEE BREAK</b>		
<b>10.30-12.30</b>	<b>PARALLEL SESSIONS</b>		
	<b>ROOM A</b>	<b>ROOM B</b>	<b>HALL WAY</b>
	<b>TUTORIAL AND TUTORIAL II</b>	<b>KNOWLEDGE AND TECHNOLOGY ORGANIZATION – BUSINESS INTELLIGENCE AND BUSINESS MANAGEMENT</b>	<b>INTERNET</b>
<b>12.30-14.00</b>	<b>LUNCH BREAK</b>		
<b>14.00-15.00</b>	<b>PARALLEL SESSIONS –COMPANY VISITORS LEAVE BY BUS AT 13.30</b>		
	<b>ROOM A</b>	<b>ROOM B</b>	<b>HALL WAY</b>
	<b>TUTORIAL III</b>	<b>E-LEARNING</b>	<b>INTERNET</b>
<b>15.00-15.30</b>	<b>COFFEE BREAK</b>		
<b>15.30-18.00</b>	<b>PARALLEL SESSIONS</b>		
	<b>ROOM A</b>	<b>ROOM B</b>	<b>HALL WAY</b>
	<b>BLENDED LEARNING AND MEDICAL APPLICATIONS</b>	<b>DATAMINING SME'S AND INNOVATION</b>	<b>INTERNET</b>
<b>19.30-22.00</b>	<b>CONFERENCE DINNER</b>		

<b>WEDNESDAY 21<sup>ST</sup> APRIL 2004</b>			
<b>08.30-09.00</b>	<b>REGISTRATION</b>		
<b>09.00 10.00</b>	<b>PARALLEL SESSIONS</b>		
	<b>ROOM A</b>	<b>ROOM B</b>	<b>HALL WAY</b>
	<b>ENGINEERING DATA MANAGEMENT</b>	<b>E-LEARNING TOOLS</b>	<b>INTERNET</b>
<b>10.00-10.15</b>	<b>COFFEE BREAK</b>		
<b>10.15 12.30</b>	<b>PARALLEL SESSIONS</b>		
	<b>ROOM A</b>	<b>ROOM B</b>	<b>HALL WAY</b>
	<b>ORGANIZATION AND MANAGEMENT</b>	<b>TELECOMMUNICATION SECURITY AND PRIVACY</b>	
<b>12.30-12.45</b>	<b>CLOSING SESSION AND BEST PAPER AWARD ROOM A</b>		

**Sunday 18<sup>th</sup> April 2004**

**18.30 - 19.30**

**ECEC-EUROMEDIA 2004  
Welcome Drink**

**HASSELT MAIN MARKET**

**The site will be indicated by the conference  
logos.**

**Welcome Party**

**Monday, 19<sup>th</sup> April 2004**

**HALLWAY**

**Registration**

**08.30 - 09.00 -- 09.15 - 17.00**

**ROOM A**

**09.00 – 09.15**

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**Opening ECEC 2004- EUROMEDIA2004 and  
Welcome**

**Welcome Address**

**Prof. Jeanne Schreurs  
Limburgs Universitair Centrum, Diepenbeek  
Euromedia'2004, General Conference Chair and Conference Host**

**Philippe Geril  
EUROSIS Coordinator and Director ETI**

Monday, 19<sup>th</sup> April 2004



**MAIN HALL**

**9.15 - 10.00**

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Chair: Jeanne Schreurs, Limburgs Universitair centrum, Diepenbeek, Belgium

**Where do we want to go? Women and IT in the 21<sup>st</sup> Century**

Caterina Rehm-Berbenni..... 5

**COFFEE BREAK IN BETWEEN (SEE NEXT PAGE)**



**ROOM B**

**10.30 - 11.15**

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Chair: Jeanne Schreurs, Limburgs Universitair centrum, Diepenbeek, Belgium

**ICT and the development of International Education**

Prof. Dr. Ronald S.J. Tuninga, Director-Dean of the Maastricht School of Management

Keynotes - Monday

# Monday, 19<sup>th</sup> April 2004

10.00 - 10.30  
COFFEE BREAK

11.15 – 12.45

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**ROOM A- 11.15-12.45**  
**COLLABORATIVE CE-ENVIRONMENTS**  
Chair: Matthias Stroezel, SSC Services, Leinfelden-Echterdingen, Germany



9.2  
An approach of whiteboard-based interface for collaborative environment  
Teruaki Ito ..... 71

9.3  
Providing Support for Engineering Collaboration  
Ariane Ittner and Matthias Stroezel..... 76

9.4  
Perspective Allocation in the Performance Design and Improvement of Collaborative Engineering Systems  
Tad Gonsalves, Kiyoshi Itoh and Ryo Kawabata..... 80

**ROOM B- 11.15-12.45**  
**TELECOMMUNICATION APPLICATIONS**  
Chair: Johan Opsommer, Belgacom, Brussels, Belgium



MEDIATEC-3  
MPEG-21 Session Mobility for Heterogeneous Devices  
Frederik De Keukelaere, Davy De Schrijver, Saar De Zutter  
and Rik Van de Walle ..... 61

COMTEC-2  
Modeling JINI UpnP Bridge using Rapide ADL  
Ahmed Sameh and Rehab El-Kharboutly ..... 68

**Monday, 19<sup>th</sup> April 2004**

**APTEC-11-COMTEC**

**Sleeping in Java**

**Gunther Stuer, Kurt Vanmechelen, Jan Broeckhove and Tom Dhaene..... 74**



**ROOM C- 11.15-12.45**

**INTERNET ACCESS**

**12.45 - 14.00**

**LUNCH BREAK**

**14.00 – 15.00**

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**ROOM A- 14.00-15.00**

**PROCESS MANAGEMENT**

**Chair: Uwe von Lukas, ZGDV, Rostock, Germany**

**6.1**

**HDA and Resources Modeling in Business Process**

**David Jezek and Ivo Vondrak..... 27**

**6.2**

**Conceptual and Cluster Analysis for Organizational Structure Modeling and Analysis**

**Jan Kozusznik and Ivo Vondrak ..... 30**

Parallel Sessions - Monday

# Monday, 19<sup>th</sup> April 2004



**ROOM B- 14.00-15.00**

## **WEBTECHNOLOGY FOR BUSINESS APPLICATIONS**

**Chair: Rachel Moreau, Limburgs Universitair Centrum, Diepenbeek, Belgium**

**WEBTEC-3-APTEC**

**Distributed Decision Support Embedded in Semantic Web Service Development and Maintenance Environments for Intelligent e-Business Applications**

**Hans-Joachim Nern and Janne Saarela ..... 11**

**WEBTEC-4**

**Design of a Web Service Architecture to Model Business Logic as a Decision Service**

**Tim De Troch, Christophe Mues and Jan Vanthienen..... 16**



**HALL WAY- 14.00-15.00**

**INTERNET ACCESS**

**15.00 - 15.30**

**COFFEE BREAK**

**15.30 – 18.00**

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**ROOM A 15.30-18.00**

## **DATA WAREHOUSING**

**Chair: Danny Van Welden, Ghent University, Ghent, Belgium**

**DATA-1**

**Collecting Activity Travel Diary Data by means of a New Computer Assisted Data Collection Tool**

**Davy Janssens, Geert Wets, Ellen De Beuckeleer and Koen Vanhoof ..... 85**



Monday, 19<sup>th</sup> April 2004

<b>DATA-2</b> A Java Implementation of CART <u>Danny Van Welden</u> , Juan Velasco and Ghislain Vansteenkiste .....	90
<b>DATA-3</b> A Datawarehouse system in business performance management in SME's <u>Jeanne Schreurs</u> , Dirk Roux and Rachel Moreau.....	95
<b>DATA-4</b> E-Learning Process and Content Management <u>Jeanne Schreurs</u> , Dirk Roux and Rachel Moreau.....	100
<b>DATA-6</b> The Impact of Virtual Mobility on Travel Behaviour: An Overview <u>Enid Zwerts</u> , Davy Janssens and Geert Wets .....	105

ROOM A - 15.30-17.30



**E-LEARNING STANDARDS AND ANIMATION TECHNIQUES**  
Chair: Leon Rothkrantz, TU Delft, Delft, The Netherlands

<b>WEBTEC-6-APTEC</b> Standard and Ontologies Perspectives in Building and Planning Learning Future <u>Giorgio Valle</u> and Raffaella Folgieri.....	23
<b>WEBTEC-7-APTEC</b> SCORM as the Standard for E-Learning Framework Mieczyslaw L. Owoc and <u>Krzysztof Hauke</u> .....	27
<b>APTEC-3</b> Improvement of an e-learning platform through the analysis of usage patterns <u>Roberto Cappuccio</u> , Francesca Di Bono, Alberto Sillitti and Giancarlo Succi .....	47
<b>MEDIATEC-4</b> FED – an online Facial Expression Dictionary E.J. de Jongh and <u>L.J.M. Rothkrantz</u> .....	115
<b>WEBTEC-1-MEDIATEC</b> Incremental Rules for Growing Plants <u>Andrew Davison</u> .....	120

Parallel Sessions - Monday

**Monday, 19<sup>th</sup> April 2004**

**HALL WAY- 15.30-17.30  
INTERNET ACCESS**



**TRIP AROUND THE CITY CENTRE OF HASSELT  
AND VISIT OF THE TOWN HALL  
(time to be announced at the conference)**

Tuesday, 20<sup>th</sup> April 2004

**HALLWAY**

**Registration**

**08.30 - 17.00**

**09.00 – 10.00**

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**ROOM A- 09.00-10.00**

**PROCESS PLANNING**

**Chair: Philippe Geril, Ghent University, Ghent, Belgium**

**8.1**

**Improved Process planning by a Material Flow Simulation with Multi User Support**

**Wilhelm Dangelmaier, Christoph Laroque, Bengt Mueck and Peter Renner ..... 59**

**8.2**

**Systems Engineering Based Approach for product and Process Concurrent Design**

**Adel Ouardani, Philippe Esteban and Jean-Claude Pascal ..... 64**



**ROOM B - 09.00-10.00**

**WORKSHOP INVITED SPEAKER AND KNOWLEDGE IN  
KNOWLEDGE MANAGEMENT**

**Chair: Jeanne Schreurs, Limburgs Unviersitair Centrum,  
Diepenbeek, Belgium**

**INVITED SPEAKER**

**Study on Market Prospects, business needs and technological trends for business  
knowledge management.**

**Faneul Dewever**

**The Knowledge Life Cycle and the int. for Solutions**

**Michael Brands**

Parallel Sessions - Tuesday

**Tuesday, 19<sup>th</sup> April 2004**

**HALL WAY- 09.00-10.00  
INTERNET ACCESS**



**10.00 - 10.30  
COFFEE BREAK**

**10.30 - 12.30**

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**ROOM A 10.30-12.30  
TUTORIAL I AND TUTORIAL II**

**Chair: Jeanne Schreurs, Universitair Centrum Limburg,  
Diepenbeek, Belgium**



**10.30 -11.30  
TUTORIAL I  
Dimensional Structuring of the Data in a Data Warehouse  
Jeanne Schreurs**

**11.30 - 12.30  
TUTORIAL II  
Building an Online internet Questionnaire  
Jeanne Schreurs**

**Tuesday, 20<sup>th</sup> April 2004**



**ROOM B - 10.30-12.30**

**KNOWLEDGE AND TECHNOLOGY ORGANIZATION AND BUSINESS INTELLIGENCE AND BUSINESS**

**Chair: Rachel Moreau, Universitair Centrum Limburg, Diepenbeek, Belgium**

**Content Warehouse System LOMS**

**Ivan Picart**

**The MPEG 21 Standard to enable Transparent and augmented use of Multimedia Resources across a wide Range of Networks and Devices**

**Rik van de Walle**

**Strategically oriented BSC built on a Data Warehouse of Business Data**

**Rachel Moreau**

**Datawarehouse based Business reporting**

**Dirk Roos**



**HALL WAY- 10.30-12.30**

**INTERNET ACCESS**

**Parallel Sessions - Tuesday**

**Tuesday, 20<sup>th</sup> April 2004**

**12.30 - 13.30**

**LUNCH BREAK AND COMPANY VISIT FOR THOSE REGISTERED**  
The bus leaves at 13.30.

**13.30 - 15.00**

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**ROOM A 14.00-15.00**

**TUTORIAL III**

**Chair: Jeanne Schreurs, Limburg Universitair Centrum,  
Diepenbeek, Belgium**



**TUTORIAL III**

**Structuring of Learning Content in learning Objects**

**Jeanne Schreurs**

**ROOM B - 13.30-15.30**

**E-LEARNING**

**Chair: Rik Van de Walle, Ghent University, Ghent, Belgium**



**Intercultural Communication for Management –Plurilingua (Multimedia Language  
Cdroms supporting semi-selfconstruction**

**Martine Verjans**

**The new Mindmap e-learning concept with the traditional “web-pages” e-learning  
concept**

**Wim Govaerts**

**Life Long Learning in the E-LEARN-ELIVE Project**

**Jan Claes**

**Corporate E-learning success stories of tailor-made solutions**

**Johan Lenssens**

**HALL WAY- 13.30-15.00**

**INTERNET ACCESS**



Tuesday, 20<sup>th</sup> April 2004

15.00 - 15.30 –16.00 (for those in the group datawarehousing)  
**COFFEE BREAK**

15.30 - 17.30

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**ROOM A - 15.30-17.30**



**BLENDED LEARNING AND MEDICAL APPLICATIONS**

**Chair:** Charles van der Mast, TU Delft, Delft, The Netherlands

**APTEC-1**

**Blended Learning within a University Context an Evaluation and Comparison  
of a Module in Online Mode and Traditional Mode**

**Adriana Gnudi, Agostino Lorenzi and Lucia Malvisi ..... 33**

**APTEC-2**

**Tele-Education and Blended Learning in complex Networks of Competence**

**Christian-Andreas Schumann, Kay Grebenstein and Jana Weber ..... 40**

**APTEC-10**

**Usability of Therapist's User Interface in Virtual Reality Exposure Therapy for Fear of  
Flying**

**Lucy T. Gunawan, Charles van der Mast, Mark A. Neerincx, Paul Emmelkamp  
and Merel Krijn..... 125**

**APTEC-4**

**Patient Consent Advisory System**

**Titis Karweni, Steven M Furnell and Nick Gaunt ..... 133**

**ROOM B - 16.00-17.30**



**DATAMINING AND SME's and Innovative Projects**

**Chair:** Danny Van Welden, Ghent University, Ghent, Belgium

**Modeling Travel Behaviour using Datamining**

**Geert Wets**

**Experiences of Datamining**

**Danny Van Welden**

**Tuesday, 20<sup>th</sup> April 2004**

Ondersteuning door IWT via verschillende Subsidiemogelijkheden  
Bruno Krekels

HALL WAY- 15.30-17.30  
INTERNET ACCESS



**19.30 – 22.00**

**ECEC-EUROMEDIA 2004  
Conference Dinner**

**More info on the actual site will be  
given at the conference.**



Wednesday, 21<sup>st</sup> April 2004

HALLWAY

Registration

08.30 - 09.00

09.00 – 10.00

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ROOM A - 09.00-10.00

ENGINEERING DATA MANAGEMENT

Chair: Joachim Herbst, DaimlerChrysler, Ulm, Germany

7.1

A Standard Access Interface for Product Data

Uwe von Lukas and Steffen Nowacki ..... 35

7.3

Data Analysis of the Logistical Benchmarking Database Webscan

Danielle De Vos and Hendrik Van Landeghem..... 43



ROOM B - 09.00-09.30

E-LEARNING TOOLS AND BACK-UP

Chair: Rachel Moreau, Limburgs Universitair Centrum, Diepenbeek, Belgium

APTEC-6

An Introductory Study on Development of a Syllabus Generator

Zeynel Cebeci and Fuat Budak ..... 52

Extra slot for the author who missed his or her appointed presentation slot



HALL WAY- 09.00-10.00

INTERNET ACCESS

Parallel Sessions - Wednesday

# Wednesday, 21<sup>st</sup> April 2004

10.00 - 10.30  
COFFEE BREAK

10.15 - 12.30

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**ROOM A - 10.15-12.30**  
**ORGANIZATION AND MANAGEMENT**  
Chair: Iris Graessler, Robert Bosch GmbH, Reutlingen, Germany

2.1 Release-Management – The Emerging Success Factor for Product Innovativeness G. Schuh, J.C.Desoi, M.Lenders and V.Witte ..... 5
--

2.2  
Life Cycle Costing in the Mold and Die Industry  
Gunther Schuh, Andrean Kubosch, and Tanja Leffin ..... 10

2.3  
Cost Engineering within Collaborating Production Networks  
Paul Baguley, Nikos Armoutis, Oliver Vogt, Graham Coates  
Qing Wang and Paul G. Maropoulos ..... 14

2.4  
Concurrent Engineering the Virtual Enterprises: Agents and their Structural  
Organisation  
Valentina Plekhanova ..... 19

Design and Change Management for Mass Customization  
Iris Graessler



**ROOM B - 10.15-12.30**  
**TELECOMMUNICATION SECURITY AND PRIVACY**  
Chair: Jeanne Schreurs, Limburgs Universitair Centrum,  
Diepenbeek, Belgium.

COMTEC-1  
E-Learning as a Tool: Framework for building an Information Security Awareness  
Programme for a local Teleoperator  
Jorma Kajava and Rauno Varonen..... 81

Parallel Sessions - Wednesday

## Wednesday, 21<sup>st</sup> April 2004

**COMTEC-3**  
**e-learning and Information Security. Evolutionary versus Revolutionary Approach**  
Jorma Kajava and Rauno Varonen..... 86

**COMTEC-7**  
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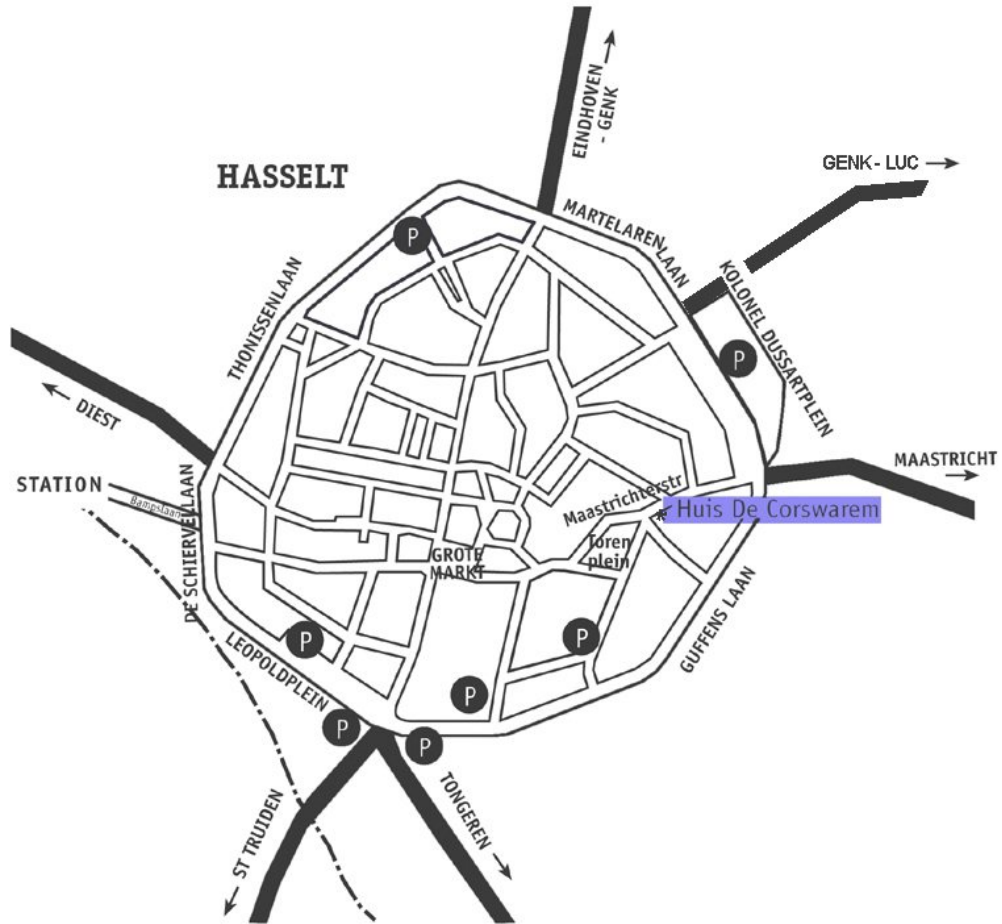
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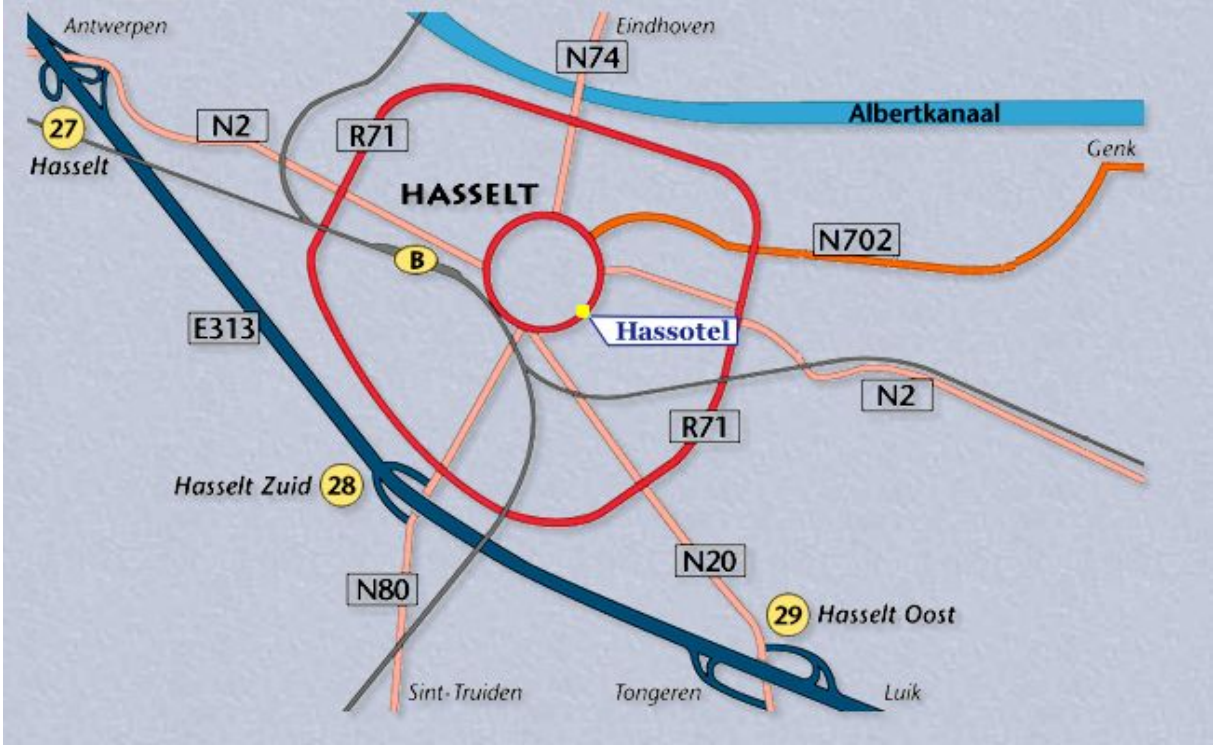
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# Conference Site Maps





# Conference Site Maps



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

**Philippe Geril**  
**EUROSIS-ETI**  
**Ghent University**  
**Coupure Links 653**  
**B-9000 Ghent, Belgium**  
**Tel: +32.9.233.77.90**  
**Fax: +.32.9.223.49.41**  
**Email: Philippe.Geril@ugent.be**

Please send me info on EUROSIS:

Name: .....

Address:.....

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Telephone .....

Fax:.....

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