# **FINAL PROGRAM**







27-29 April 2015

IST, Lisbon

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# **NOTES**

### ECEC'2015 – FUBUTEC'2015 – EUROMEDIA'2015 FINAL PROGRAMME

Overhead and LCD Projector are standard

The underlined authors are usually the presenters.

Conference Site: Centro de Congressos do IST, Room 02.3, Instituto Superior Técnico Campus Alameda, Av. Rovisco Pais, 1, 1049-001 Lisbon, Tel: +351 218 418 069(ext. 2069),

Fax: +351 218 418 070, E-Mail: ccongressos@ist.utl.pt

### Only papers in gray boxes are eligible for the best paper award

### Monday, April 27, 2015

08.30 - 15.30 **Registration** 

09.00 - 09.15 **Welcome** 

**Welcome Address** 

Prance Lieben Portugal

Branco, Lisbon, Portugal

09.15 - 10.00 **Session I** 

### **NEW MEDIA FRONTIERS I**

09.15-10.00

**Session Chairperson:** 

<u>Paulo Jorge Sequeira Gonçalves</u>, Polytechnic Institute of Castelo Branco, Lisbon, Portugal

WEBTEC 01

Cloud Computing and (new) Mobile Storytelling in the Internet of

**Things** 

Helena Barbas ......96

10.00 - 10.30 **Coffee/Tea Break** 

Coffee breaks will be served outside room 02.3

# Monday, April 27, 2015

### 10.30 - 12.30 **Session II**

### **DATA MANAGEMENT**

10.30-12.30	Session Chairperson: <u>Paulo Jorge Sequeira Gonçalves</u> , Polytechnic Institute of Castelo Branco, Lisbon, Portugal
	STAT_01 Business Bankruptcy Prediction Based on Hybrid CBR Model
	Bruno Trstenjak and Dzenana Donko
	ECEC_07_02
	First Principles Simulation Model identification Based on real Indus- trial Process Data
	Igor Slastenov, Salimjan Tasanbaev and Victor Dozortsev
	ECEC_08_02
	XML-based Modeling Languages and Data Binding for Collaborative
	Design in Multidisciplinary Teams
	Martin Hoppen, Malte Rast, Michael Schluse, Juergen Rossmann,
	Lars Pfotzer and Thomas Meschede15

### 12.30 - 14.00 Lunch Break



Lunches will be served at Café Imperio
Av. Almirante Reis, 205 A, 1000-048 Lisbon, Portugal +351 212 471 765
cafeimperio@gmail.com https://goo.gl/maps/VqWiW

### Monday, April 27, 2015

#### 14.00 - 15.00 **Session III**

### **NEW MEDIA FRONTIERS II**

### 14.00-15.00 Session Chairperson:

Helena Barbas, Universidade Nova de Lisboa, Lisbon, Portugal

ECEC\_HE\_01

**Mediated Reality in Dental Technology** 

### **MEDIATEC 01**

Toward Free and Open Source Film Projection for Digital Cinema Nicolas Bertrand, Jean-Denis Durou, Vincent Charvillat

and Carsten Griwodz......104

15.00 - 15.30 **Coffee/Tea Break** 

15.30 - 18.00 **Session IV** 

### **TUTORIAL**

#### 15.30-18.00

### **Session Chairperson:**

Helena Barbas, Universidade Nova de Lisboa, Lisbon, Portugal



TUT\_01
Image quality assessment for global illumination methods based
on machine learning.
André Bigand,
Littoral University
Calais, France

#### FREE EVENING

# Tuesday, April 28, 2015

08.30 - 15.30	Registration
09.00 - 10.00	Session V
	VR BASED ENGINEERING
09.00-10.00	Session Chairperson: Gerrit Janssens, Hasselt University, Hasselt, Belgium
	ECEC_03_01 Supporting Product Engineering by Technologies of Virtual and Augmented Reality Iris Gräßler and Patrick Taplick
	ECEC_05_03 A V-Model based Comparison of Systems Engineering Approaches Iris Gräßler and Julian Hentze80
10.00 - 10.30	Coffee/Tea Break
10.30 - 12.30	Session VI
	LOGISTICS AND ROUTING OPTIMIZATION
10.30-12.30-	Session Chairperson: <u>Dan Predică</u> , SISW Romania, Brasov, Romania
	ECEC_FAC_01 A Simulation Study of the Make to Stock and Make to Order Production Nuno O. Fernandes and Sílvio Carmo-Silva
	ECEC_FAC_02 Pickup and Delivery Selection with Compulsory Requests Katrien Ramaekers, An Caris, Gerrit K. Janssens and Tabitha Maes

# Tuesday, April 28, 2015

	A Bi-Objective Simulation-Optimization Approach for solving the Dynamic Vehicles Routing Problem in Bicycle Sharing Systems  Ahmed A. Kadri, Karim Labadi and Imed Kacem
	COMTEC_01 Adaptive Mobile Ad Hoc Networks (AMAN): A QOS Framework for Mobile Ad-Hoc Networks Benny M Nyambo, Gerrit K Janssens and Wim Lamotte42
12.30 - 14.00	Lunch Break
14.00 - 15.15	Session VII
	ENGINEERING APPLICATIONS
14.00-15.15	Session Chairperson:  Paulo Jorge Sequeira Gonçalves, Polytechnic Institute of Castelo Branco, Lisbon, Portugal
	ECEC_10_05 FEM as a Tool for Concurrent Civil Engineering Ion Manea, Ştefan Sorohan, Daniela Vasiliu, Nicolae Vasiliu and Florin Rădoi
	ECEC_10_03  Modern Concurrent Approach for Wind Turbine Drivetrain Dynamics and Durability Prediction  Dan Predică and Nicolae Vasiliu
	ECEC_06_01 Thermal and Structural Analysis of an Auxiliary Vehicle Heater System Rădoi Florin, Sorohan Ştefan, Vasiliu Nicolae and Călinoiu Constantin
45 45 45 20	Coffee/Tee Breek

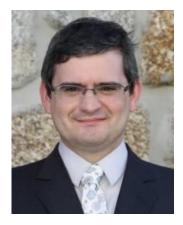
### Tuesday, April 28, 2015

15.30 - 18.00 Session VIII

### **TUTORIAL**

15.30-18.00 Session Chairperson:

André Bigand, Littoral University, Calais, France



TUT\_02
Robotic Assisted and Computer-Integrated Surgery
Paulo Jorge Sequeira Gonçalves,
Polytechnic Institute of Castelo Branco,
Lisbon, Portugal

### 19.30 - **CONFERENCE DINNER**



The conference dinner will be held at the <u>Holiday Inn Lisbon</u>

Avenida de António José de Almeida 28 Lisboa, Portugal

**3**+351 21 004 4000

Email: hill@grupo-continental.com

# Wednesday, April 29, 2015

08.30	-	09.00	Registration
09.00	_	10.00	VISIT

### **VISIT TO THE IST LABS**



All participants are invited to come and visit the IST Labs

10.00 - 10.30	Coffee/Tea Break
10.30 - 12.00	Session IX
	REMOTE EDUCATION
10.30-12.00	Session Chairperson:  Paulo Jorge Sequeira Gonçalves, Polytechnic Institute of Castelo Branco, Lisbon, Portugal
	APTEC_03 Augmenting Distance Education Skills Development in Paramedic Science through Mixed Media Visualisation Michael Cowling, Emma Moore and James Birt113
	APTEC_01 Evaluation of the Process Operator Knowledge Formation Resulting from Computer Based Training Victor Dozortsev, Vladimir Nazin, Alexander Oboznov, Svetlana Gutsykova and Anastasia Mironova
	APTEC_05 Teaching Fluid Power Systems by Remote Laboratories Marius D. Bontos, Daniela Vasiliu, Nicolae Vasiliu and Bogdan Mihalescu

# Wednesday, April 29, 2015

12.00 - 12.15 **Session X** 

### **CLOSING SESSION**

12.00-12.15- Session Chairpersons:

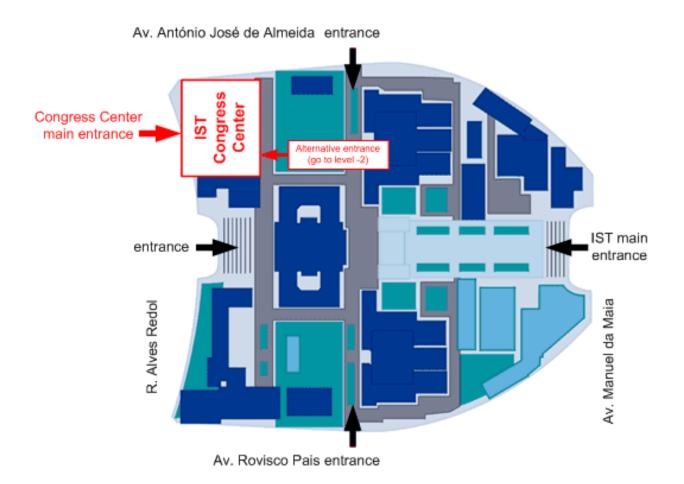
Paulo Jorge Sequeira Gonçalves, Polytechnic Institute of Castelo

Branco, Lisbon, Portugal

Philippe Geril, EUROSIS, Ostend, Belgium

Best Paper Award Ceremony and closing statements

### **CONFERENCE LOCATION MAP**



### ECEC'2016-FUBUTEC'2016-EUROMEDIA'2016

# SEE YOU NEXT YEAR AT ECEC'2016- FUBUTEC'2016 - EUROMEDIA'2016 April 13-15, 2016 - Plymouth University, Plymouth, United Kingdom



Suggestions for tracks and workshops can be sent in by September 1<sup>st</sup> 2015

#### 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 responsibility to chair** 

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

# 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 Society is 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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# **At Conference Registration Form**

Please legibly print or type and fill out completely. (Check appropriate boxes where necessary)

FIRS	T NAME	LAST NAME	M.I.		
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	tudents, <u>who are not authors</u> bu	ut who wish to attend the confere	ence, or <b>ONE DAY</b>	€	
	CIPANTS pay: € 425				
refresh	e registration fees include, one cop iments, coffees and social program participate in the conference dinr	n,) One Day Participants and No			
	onference Tutorial only € 100			€	
6. [] C	onference Dinner Ticket for Cor	mpanion € 60 [] Lunch Ticket for	Companion € 25/day	€	
7. [] E	xtra Conference Proceedings €	40 Cash and Carry		€	
VAT N	umber if applicable:				
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[]3)	Or pay by <b>CREDIT CARD</b> and f	ill in the information below:			
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