

Conference Brochure



**8th IEEE International Symposium on
Industrial Embedded Systems**

Porto, Portugal June 19-21, 2013

Conference Overview

		Tuesday June 17	Wednesday June 18	Thursday June 19	Friday June 20
Morning Sessions	CiWork 2013		Keynote	Keynote	Keynote
			Optimization	Requirements	WSN Platforms
Afternoon Sessions			Multicore	Scheduling	Timing Analysis
			Work-in-Progress Session	Test, Error and Complexity	Networks and Communication
Evening Program		<i>Reception</i>	<i>Cellars and Banquet</i>		

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Welcome Message

Welcome to the 8th IEEE International Symposium on Industrial Embedded Systems (SIES 2013). The aim of SIES is to bring together researchers and practitioners from the industry and academia, and provide a platform to report recent developments, deployments, technology trends and research results related to embedded systems and their applications in various industrial environments.

SIES 2013 comes after a number of previous successful editions held in Karlsruhe (Germany 2012), Västerås (Sweden 2011), Trento (Italy 2010), Lausanne (Switzerland 2009), La Grande Motte (France 2008), Lisbon (Portugal 2007) and Antibes Juan-Les-Pins (France 2006). The 2013 edition is being held in Porto (Portugal), which is a city well known for the Polytechnic Institute of Porto or IPP.

SIES 2013 will feature three keynotes – by Rolf Ernst from TU Braunschweig, Michael Paulitsch from EADS, and Chenyang Lu from Washington University in St. Louis. In addition it will feature a number of invited talks and peer reviewed paper presentations that have been organized into a total of 9 sessions, one of them consisting of Work-in-Progress papers. The contributions cover various aspects of industrial embedded systems, which range from requirement capture, design and optimization of multi-core architecture, WSN platforms and communication networks, to methods for task scheduling and timing analysis, as well as testing, error detection and complexity measurement.

We welcome you to Porto, with an outstanding array of attractions. These include Port Wine, the World Heritage Historic Centre of Porto, award winning modern architecture, FC Porto, the Douro River and São João to name but a few. The local arrangements chairs Filipe Pacheco and Vincent Nélis with the help of Inês Almeida brought together not only the conference practicalities but also an energizing collection of social events which include the reception in the former Port Wine Stock Exchange, Palácio da Bolsa and the banquet at the Michelin Star awarded Yeatman Hotel overlooking the Douro. On behalf of everyone who contributed towards organizing this event, we wish you an enjoyable conference and an exciting stay in Porto.

SIES 2013 General Chairs:

Eduardo Tovar, ISEP-IPP, Portugal
Richard Zurawski, ISA Group., USA

SIES 2013 Program Chairs:

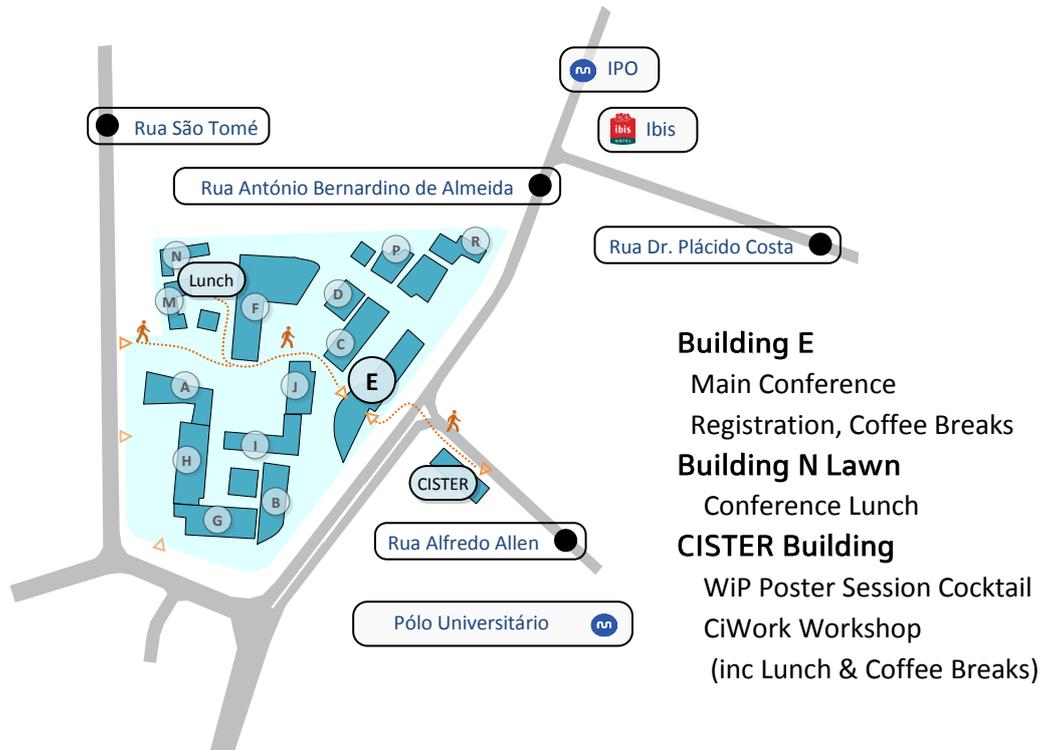
Roberto Passerone, University of Trento, Italy
Karl-Erik Årzén, University of Lund, Sweden

SIES 2013 Work-in-Progress Chairs:

Arvind Easwaran, NTU, Singapore
Luca Santinelli, ONERA, France

Maps

Campus



Complimentary Services

Network Connection

The configuration for the wireless network of SIES2013 is:

SSID: conf2011
Shared Key: #conf2011#

Eduroam is also available in the Auditorium of Building E.

Printing

The conference offers two computers and a printer to print boarding passes and the like. These are located just outside the main Auditorium in Building E.

Meetings

As the conference is not just about the technical presentations, but also to forge collaborations and serve as a meeting place for projects, we offer three meeting rooms of various sizes. Contact the conference organisers personally, or via phone or at the registration desk.

Organisers' Contacts

Landline +351 228 340 502
Conference mobile +351 926 522 996
Email: infaa@isep.ipp.pt (Inês Almeida)

CiWork 2013 Workshop

About the Workshop

An autonomous workshop will take place on the 18th June, the day before SIES 2013, at the CISTER building.

The aim of the **CISTER Industrial Workshop** is to bring together researchers and practitioners from the industry and academia and provide them with a platform to report on recent advances and developments in the newly emerging areas of real-time and embedded technologies, as well as actual and potential applications to industrial systems.

The format of this workshop is to have multiple 30-minute talks providing the need and technical challenges in the design, development and deployment of real-time systems and embedded systems.

The workshop also includes poster presentations by CISTER researchers and researchers from other institutions. Focus will be given to PhD students works. These works will be show cased during the standing lunch and coffee breaks.

Industrial areas of interest include, but by no means are limited to:

- » Factory automation and control
- » Energy-efficient buildings, data centers and power distribution systems
- » Wellbeing, healthcare systems and high-confidence medical devices
- » Networked cyber-physical and control systems
- » Avionics, automotive and robotic electronic systems
- » Mobile communication and distributed systems

Talks on case studies, design methodologies, tools, deployment experiences and industry challenges are also welcome.

Workshop Program

- 9:30 Registration and Morning Coffee
- 10:00 Opening and CISTER Highlights
- 10:30 Industry/Academia Brainstorm
- 11:00 *Coffee Break & Research Posters*
- 11:30  João Brito
- 12:00  José Fonseca
- 12:30  Paulo Ferreira dos Santos
- 13:00 *Standing Lunch & Research Posters*
- 14:30  Júlio Viana
- 15:00  Jorge Landeck
- 15:30  Teresa Cardoso
- 16:00 *Coffee Break & Research Posters*
- 16:30  Pedro Silva
- 17:00  Rodolfo Martins
- 17:30  Nuno Cunha
- 18:00 Closing Remarks

Venue

CiWork 2013 will take place at the CISTER Building at Rua Alfredo Allen, 535. That's near ISEP campus, just across the street from Rua António Bernardino de Almeida's entry.

Work-in-Progress Session

The Work-in-Progress (WiP) session at SIES 2013 will be dedicated to new and on-going research in systems, methodologies, theory, tools and applications for Industrial Embedded Systems. The primary purpose of the WiP session is to provide researchers from industry and academia with an opportunity to discuss new and creative ideas, intuitions and approaches and gather feedback from the research community. Topics cover all areas of embedded industrial systems, including

- » Design and development methodologies, languages and tools;
- » System Architectures, Operating Systems and Middleware;
- » System-on-Chip and Network-on-Chip: Design of Application-Specific Instruction-Set Processors;
- » Networked Embedded Systems;
- » Embedded Applications.

The papers will be presented in a session from 16:00 till 17:30 at the Auditorium of Building E, and then we will have a Poster Session and light Cocktail at the CISTER building till 19:00.

SIES 2013 Work in Progress Co-Chairs

Arvind Easwaran, NTU, Singapore

Luca Santinelli, ONERA, France

Program

Smart Localization platform for IEEE 802.11 Industrial Networks - *Mario Collotta, Arcangelo Lo Cascio, Giovanni Pau and Gianfranco Scatà*

Digital Hardware Projects: A New Tool for Automated Complexity Analysis - *Benjamin Menhorn, Lukas Brix and Frank Slomka*

Strategies for the Interconnection of CAN buses through an Ethernet switch - *Abdelaziz Ahmed Nacer, Katia Jaffrès-Runser, Jean-Luc Scharbarg and Christian Fraboul*

Evaluation of the Overheads and Latencies of a Virtualized RTOS - *Mehdi Aichouch, Jean-Christophe Prévotet and Fabienne Nouvel*

Efficient Semi-Partitioning and Rate-Monotonic Scheduling Hard Real-Time Tasks on Multi-Core Systems - *Mahmoud Naghibzadeh, Peyman Neamatollahi, Reza Ramezani, Amin Rezaeian and Toktam Dehghani*

Scheduling Parallel Real-Time Tasks using a Fixed-Priority Work-Stealing Algorithm on Multiprocessors - *Cláudio Maia, Luis Nogueira and Luis Miguel Pinho*

SWIFTNET: A data acquisition protocol for a fast-reactive monitoring application - *Femi Aderohunmu, Giacomo Paci, Davide Brunelli, Luca Benini and Jeremiah D. Deng*

Towards Implementation of Virtual-Clustered Multiprocessor Scheduling in Linux - *Syed Md Jakaria Abdullah, Nima Moghaddami Khalilzad, Moris Behnam and Thomas Nolte*

Embedded Soundscape Rendering for the Visually Impaired - *Luca Rizzon and Roberto Passerone*

A Self-Adaptive Approximate Interpolation Scheme for Densely Instrumented Systems - *Maryam Vahabi, Eduardo Tovar and Michele Albano*

Real-Time For the Masses, Step 1: Programming API and Static Priority SRP Kernel Primitives - *Johan Eriksson, Fredrik Häggström, Simon Aittamaa, Andrey Kruglyak and Per Lindgren*

Towards Transparent Parallel/Distributed Support for Real-Time Embedded Applications - *Ricardo Garibay-Martinez, Luis Lino Ferreira, Claudio Maia and Luis Miguel Pinho*

Keynotes

Rolf Ernst

Technical University Braunschweig

Automotive Communication - From Buses to Switched Networks

Today, automotive networks consist of a heterogeneous system of different field buses and gateways with new protocols and topologies in almost every generation. The network is tailored to the set of applications integrated in a car following different cost, safety, and performance targets.

First required by the infotainment systems, Switched Ethernet is about to be introduced in cars and has become a hot candidate as backbone and integration platform for future automotive systems.

After a short overview on the requirements leading to this development, the talk will elaborate on the opportunities, the limitations and fallacies behind that development, and will pledge for a holistic approach for the design and optimization of such networks.

Michael Paulitsch

EADS Innovation

Dependable and secure computing and networks in aerospace - the past, the present and a glimpse into the future

Embedded control systems in aircraft has been regarded as one of the most challenging engineering topics regarding dependability.

Pilots of modern aircraft today are fully relying on embedded electronics to master their flight with an extremely successful and daily improving safety record.

Automation in the cockpit with systems like fly-by-wire and flight management systems has been requiring the highest levels of dependable design.

Today, automation stretches into air traffic control and will require direct cooperation between aircraft i.e. reaching a new level of integration. For this as well as passenger and maintenance connectivity not only dependability, but security aspects increases.

Some recent embedded architectures and current architectural and system challenges will be presented. Networks and computing need to consider dependability and security aspects in new embedded aircraft control architecture. New computing approaches for consumer electronics like multicore computing architectures are promising for reaching new computing power levels at low power dissipation. However, using multicore safely has been and is a challenge in such systems. This talk will focus presenting some aspects on this topic and highlight some of the reservations of certification authorities on this topic as well as describe problems of worst case execution time analysis.

Chenyang Lu

Washington University in St. Louis

Real-Time Wireless Control Networks for Cyber-Physical Systems

Wireless control systems represent a new frontier of cyber-physical systems. Rapid adoption of wireless sensing and actuation networking standards has demonstrated the feasibility of reliable wireless communication for industrial automation. However, wireless control networks face significant challenges in meeting real-time communication requirements of control systems. Furthermore, close coupling between control and communication requires a cyber-physical co-design approach to optimize control performance under stringent resources constraints. This talk will present recent advances in real-time wireless control networks. (1) I will describe a new real-time wireless scheduling theory that supports real-time performance analysis for wireless control networks. (2) I will address the scheduling-control co-design problem of determining the optimal sampling rates of feedback control loops sharing a wireless network. (3) I will present Wireless Cyber-Physical Simulator (WCPS), a holistic environment for realistic simulations of large-scale wireless control systems, as well as two case studies of wireless structural control for civil infrastructure.

I will conclude my talk by highlighting future challenges and opportunities on wireless cyber-physical systems.



Conference Program

Wednesday

08:30	<i>Welcome</i>
08:45	Keynote by <i>Rolf Ernst</i> Automotive Communication - From Buses to Switched Networks <i>Chair: Robert Passerone</i>
10:00	<i>Coffee Break</i>
10:30	Session 1: Optimization <i>Chair: Luca Santinelli</i> <ul style="list-style-type: none"> › An Energy-Aware Algorithm Exploiting Limited Preemptive Scheduling under Fixed Priorities <i>Mario Bambagini, Marko Bertogna, Mauro Marinoni and Giorgio Buttazzo</i> › Temperature-aware DVFS-DPM For Real-Time Applications under variable ambient temperature <i>Khaled Baati and Michel Auguin</i> › Prioritization for Real-Time Embedded Systems on Dual-Core Platforms by Exploiting the Typical- and Worst-Case Execution Times <i>Matthias Freier and Jian-Jia Chen</i>
12:00 13:30	Lunch Break

Thursday

09:00	Keynote by <i>Michael Paulitsch</i> Dependable and secure computing and networks in aerospace - the past, the present and a glimpse into the future <i>Chair: Karl-Erik Arzen</i>
10:00	<i>Coffee Break</i>
10:30	Session 3: Requirements <i>Chair: Thomas Nolte</i> <ul style="list-style-type: none"> › Formalization and completeness of evolving requirements using Contracts <i>Leonardo Mangeruca, Orlando Ferrante and Alberto Ferrari</i> › Real-Time Scheduling Interfaces and Contracts for the Design of Distributed Embedded Systems <i>Ingo Stierand, Philipp Reinkemeier, Tayfun Gezgin and Purandar Bhaduri</i> › Engineering Functional Requirements of Reactive Systems using Synchronous Languages <i>Erwan Jahier, Nicolas Halbwachs and Pascal Raymond</i>
12:00 13:30	Lunch Break

Friday

09:00	Keynote by <i>Chenyang Lu</i> Real-Time Wireless Control Networks for Cyber-Physical Systems <i>Chair: Eduardo Tovar</i>
10:00	<i>Coffee Break</i>
10:30	Session 6: WSN Platforms <i>Chair: Luis Almeida</i> <ul style="list-style-type: none"> › An Open Framework to Deploy Heterogeneous Wireless Testbeds for Cyber-Physical Systems <i>Marcin Szczodrak, Yong Yang, Dave Cavalcanti and Luca Carloni</i> › Design of a tailor-made Memory Protection Unit for low power Microcontrollers <i>Oliver Stecklina, Peter Langendörfer and Hannes Menzel</i> › A wireless computational platform for distributed computing based traffic monitoring involving mixed Eulerian-Lagrangian sensing <i>Jiming Jiang and Christian Claudel</i>
12:00 13:30	Lunch Break

13:30	Session 2: Multicore <i>Chair: Luis Miguel Pinho</i> <ul style="list-style-type: none"> › Deconstructing Bus Access Control Policies for Real-Time Multicores <i>Javier Jalle, Jaume Abella, Eduardo Quiñones, Luca Fossati, Marco Zulianello and Francisco Cazorla</i> › Identifying the Sources of Unpredictability in COTS-based Multicore systems <i>Dakshina Dasari, Benny Akesson, Vincent Nelis, Muhammad Ali Awan and Stefan Petters</i> › Efficient Partitioning of Sporadic Real-Time Tasks with Shared Resources and Spin Locks <i>Alexander Wieder and Björn Brandenburg</i> › Multi-ASIP Platform Synthesis for Real-Time Applications <i>Laura Micconi, Deepak Gangadharan, Paul Pop and Jan Madsen</i>
15:30	<i>Coffee Break</i>
16:00	Work in Progress Session
17:30	Cocktail and WiP Poster Session
19:00	<i>at CISTER Building</i>

19:00	<i>Meeting at SIES Registration Desk</i>
19:30	Reception at Palácio da Bolsa

13:30	Session 4: Scheduling <i>Chair: Karl-Erik Arzen</i> <ul style="list-style-type: none"> › Virtual scheduling for compositional real-time guarantees <i>Martijn M.H.P. Van Den Heuvel, Reinder Bril and Johan Lukkien</i> › Mixed-criticality scheduling upon unmonitored unreliable processors <i>Zhishan Guo and Sanjoy Baruah</i> › Multitask Implementation of Synchronous Reactive Models with Earliest Deadline First Scheduling <i>Zaid Al-Bayati, Haibo Zeng, Marco Di Natale and Zonghua Gu</i> › Schedulability Analysis of On-board Satellite Software Based on Model-Driven and Compositionality Techniques <i>Javier Fernandez, Pablo Parra, Ignacio Garcia, Sebastian Sanchez and Oscar R. Polo</i>
15:30	<i>Coffee Break</i>
16:00	Session 5: Test, Error and Complexity <i>Chair: Stefan Petters</i> <ul style="list-style-type: none"> › A Complexity Metric for Concurrent Finite State Machine Based Embedded Software <i>Liangpeng Guo, Alessandro Pinto and Alberto Sangiovanni Vincentelli</i> › Test Profiling for Usage Models by Deriving Metrics from Component-Dependency-Models <i>Philipp Luchscheider and Sebastian Siegl</i> › Error Recovery in Time-Triggered Communication Systems Using Servers <i>Luis Marques, Verónica Vasconcelos, Paulo Pedreiras and Luis Almeida</i>
17:30	<i>Coffee Break</i>

18:00	<i>Meeting at SIES Registration Desk</i>
18:30	Cellars Tour and Banquet at The Yeatman

13:30	Session 7 - Timing Analysis <i>Chair: Jean-Luc Scharbarg</i> <ul style="list-style-type: none"> › Measurement-Based Probabilistic Timing Analysis: Lessons from an Integrated-Modular Avionics Case Study <i>Franck Wartel, Leonidas Kosmidis, Code Lo, Benoit Triquet, Eduardo Quiñones, Jaume Abella, Adriana Gogonel, Andrea Baldovin, Enrico Mezzetti, Liliana Cucu, Tullio Vardanega and Francisco Cazorla</i> › An EVT-based Worst-Case Response Time Analysis of Complex Real-Time Systems <i>Meng Liu, Moris Behnam and Thomas Nolte</i> › Hardware architecture specification and constraint based wcet computation <i>Hajer Herbegue, Hugues Cassé, Mamoun Filali and Christine</i>
15:00	<i>Coffee Break</i>
15:30	Session 8: Networks and Communication <i>Chair: Richard Zurawski</i> <ul style="list-style-type: none"> › SOAcom: Designing Service communication in adaptive automotive networks <i>Alberto Ballesteros, Marco Wagner and Dieter Zöbel</i> › Performance Analysis of Master-Slave Multi-Hop Switched Ethernet Networks <i>Mohammad Ashjaei, Moris Behnam, Thomas Nolte and Luis Almeida</i> › On the Control of Lossy Networks with Hold Strategy <i>Milton Cunguara, Tomás António Oliveira e Silva and Paulo Pedreiras</i>
17:00	Closing Session

Social Program

Reception

Wednesday



“Palácio da Bolsa”, the old Stock Exchange of Porto is the location we choose for the Reception (*Tourist Map Reference Number 13*). It was built to impress and

earn the credibility of European investors and so we hope to impress you as well when you stroll around establishment.



Built on the ruins of the cloisters of the St. Francis Convent, it houses to this day the commercial association of Porto and is intimately tied to the trade

of Port Wine. The big atrium displays around the ceiling all the countries Portugal had trading relations with. See for yourself if you can recognize them.

The mixture of architectural styles gives the ensemble an interesting flair and the Arab Room in particular intrigued many before.

We will join a guided tour through the building and subsequently we will have finger food and drinks.

Note: For those who want to go out for dinner afterwards please consult the magazine “time out” also included in the welcome pack.

How to get there

Meet at the Registration Desk of SIES2013 at 19:00 and we’ll make our way together to the venue in the city centre. We will take the Metro (using the **Andante Cards provided in your SIES bag**) and disembark at São Bento Metro Station (*Tourist Map Ref: 3*). From there we walk down Rua das Flores to Palácio da Bolsa.

Banquet

Thursday

Sandeman Cellars in Porto

The Sandeman Porto Cellars welcome guests from all over the world and is landmark spot for visitors to Porto and the North of Portugal. Located on the riverbank of Vila Nova de Gaia, this handsome building believed to been built as early as 1797. Sandeman took possession of this majestic building in 1811.

The Yeatman Hotel in Porto



Member of the prestigious Relais & Châteaux collection of hotels and distinguished with a Michelin Star for its restaurant under the direction of Chef Ricardo Costa, The Yeatman

Hotel in Porto is a unique landmark in the world of classic luxury hotels. It blends the finest Portuguese traditions of hospitality with a British flair for stylish comfort. And on top of that it enjoys breathtaking panoramic views over the historic centre of Porto declared as World Heritage by UNESCO.

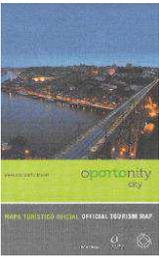
How to get there

Meet at the Registration Desk of SIES2013 at 18:00 and we’ll make our way together to the venue. We will take the Metro (using the **Andante Cards provided in your SIES bag**) and disembark at Jardim do Morro after Ponte D. Luis (*Tourist Map Ref: 99, see also the Port Wine Cellars detail*). From there take the stairway next the metro station down to Av. Diogo Leite. After the **Sandeman’s** cellars we will continue our way up the hill towards the **Yeatman Hotel** (H8, situated in Rua do Choupelo).

Alternative Route (+15 minute walk): get out at São Bento Metro Station and walk down Rua Mouzinho da Silveira and cross the Luis I Bridge.

Getting Around

Reference Point



All the reference numbers mentioned can be looked up in the official Tourist Map you received with the welcome pack. Be aware that the map has both front and a back and the number might be on the other side.

Andante System



We have also included an **Andante Card** in your welcome pack. **This card is already charged with 5 Trips**

or *titles* as they are called. The cards are intended to be used for the social events, but feel free to charge the cards with more trips according to your needs (see below). The Andante cards can be used for all trips by Metro, bus, the old trams and Funicular (The “lift” down or up from the Ribeira. *Tourist Map - Lilac line next to the Historic Wall Ref 10*)



All cards must be validated every time you get on board, even at any change of vehicle. If you are within the time (at least one hour) and zone limit it will not deduct further trips. On trains and underground

trains the machines for ticket validation are situated in the stations, whereas on buses they are placed at the entrance of the vehicle. To validate the ticket, just touch the black circle mark with the card. A green light or an acoustic sound will confirm the operation and the balance will be displayed. A red light followed by a message on the display indicates that a problem has occurred, and you must repeat the operation. Now, one title has been used and is valid for 1 hour and you can change lines and means of transport during that time.

If you just want to check your balance or add some titles to it, use the ticket machines available at all the Metro stations. Here you can



also recharge or top up the cards with additional trips. The machines are bilingual (Portuguese/English). We would appreciate if you could hand us back your card after the

conference for those who don't need it to go to the airport. The pre-charged Z2 tickets will carry you to the far end of the Metro system on the Gaia side, down to the Foz area near the sea and over to Campanha Railway station. Going to Matosinhos you may need a Z3 ticket. The guide in your welcome pack has information on the Zoning.

To the Airport

When using the ticket for the airport, the ticket type needs to be changed to a Z4 ticket if you are in the city center or a Z3 ticket if you are in the Campus Area (as a quirk of the zone system means you need less zones going to the airport than coming from it). Leaving the conference venue you need to take the Yellow Metro Line D towards Trindade station and from there the Purple Line E to the airport. It takes about one hour from ISEP's doorstep to the baggage drop/checkin counter at the airport.

Taxi

Taxis in Porto are fairly cheap by international standards. From the Ribeira to the Conference location it's about 6-8 Euros. From the conference location to the airport a single journey costs 15-20 Euros (depending on time of day) and takes about 20 minutes. If you need a taxi, the easiest is to use the taxi stand near the south-west corner of ISEP. You can also ask one of the organisers to call a taxi for you, as the taxi centrals are having difficulties dealing with English.

Discover Porto

When somebody mentions Porto, the first things that spring to mind are probably Port Wine, the charming character of the World Heritage Historic Centre of Porto and, guess what, FC Porto.

Port wines are unique, some of them among the best wines ever engineered! One example of a perfect wine is the Dow's Vintage 2007 Port that received a rare 100-point score by Wine Spectator in 2010.

But in what wines are concerned, Porto and Douro Valley are also world class in table wines (2 Douro wines are in the Wine Spectator top 25 of the 2010 ranking). Worth also to mention the increasingly famous and unique Vinho Verde; like no other wine in the world!

Don't get us wrong, we are proud of these icons, but the city of Porto has much more to offer.

Innovative Architecture and Design



Porto is becoming famous for architecture, design and modernity.

The angular Casa da Música by Rem Koolhaas was considered one of the top 5 buildings of the decade by The Times.

The Vodafone Headquarters by Barbosa & Guimaraes was named the Building of the Year in the Institutional Category by renowned Arch Daily in 2010.

The Hotels & Restaurants award of the same year went to Diogo Aguiar & Teresa Otto for the temporary bar of the Architecture School in the city's annual student's party.

This might not be such a surprise when one realizes that Porto is the "alma mater" of two Pritzker Awards (considered the Nobel Prize of Architecture): Siza Vieira (in 1992), and Souto Moura (in 2011).

The River side...



Porto has some remarkable examples of older buildings to visit. Near the river, on the World Heritage area of the Ribeira neighbourhood there is the medieval São Francisco Church featuring extraordinary lavish baroque interiors.

Moving up, Clerigos Tower has 200 challenging steps but provides an amazing 360° view of the old city area. The nearby Lello bookstore is open since 1881 and besides a comprehensive book collection offers impressive Art Nouveau

decoration with Gothic Revival features including wood panels, stain glass and a notable swirling stair. No wonder it is considered as one of the most amazing bookstores in the world by The Guardian in 2008.

Porto is famous by its Cafés, including Guarany, Confeitaria do Bolhão, Majestic and so many others. Notably, Café Majestic is considered among the top 10 most beautiful cafés in the world.

... and the Sea side



Porto is famous for the Douro River, but a big share of Porto is on the sea side.

The elegant Foz area includes beautiful seaside walkways, promenades and bicycle tracks stretching for various kilometres, plentiful of beach esplanades and fancy restaurants.

The area also features one of the most beautiful city parks in the world, Parque da Cidade, the city's largest green area, with a tranquil set of

lakes, trees, grass and foot paths connecting the city to the actual beach in the Atlantic Ocean.

The nearby Serralves House, and its copious gardens, is an Art Déco extravaganza that is not to be missed.

The Contemporary Art Museum (by Siza Vieira) shares the same property and includes the latest in art from all over the world.

Find out more

For finding restaurants, night clubs, bars and more we suggest to consult the Time Out Porto

for Visitors Magazine which you received in your welcome pack.

Useful Information

Hotel Contacts

Hotel B&B Porto +351 22 040 7000
Praça da Batalha, 32. 4000-101 Porto

Eurostars Oporto Hotel +34 902932424
Rua Mestre Guilherme Camarinha, 212.
4200-537 Porto

Grande Hotel do Porto +351 222 076 690
Rua de Santa Catarina, 197. 4000-450 Porto

Hotel Ibis Porto Centro +351 223400700
Rua da Alegria, 29. 4000-041 Porto

Hotel Ibis Porto São João +351 225 513 100
Rua Dr Plácido Costa. 4200-450 Porto

Intercontinental Porto +351 220 035 600
Praça Da Liberdade 25, 4000-322 Porto

Porto Palácio +351 226 086 600
Avenida de Boavista, 1269. 4100-130 Porto

Porto Trindade Hotel +351 222 061 520
Rua de Camões, 129. 4000-144 Porto

Quality Inn Praça da Batalha + 351 223 392 300
Praça da Batalha, 127. 4000-102 Porto

Sheraton Porto Hotel & Spa +351 220 404 000
Rua Tenente Valadim, 146. 4100-476 Porto

Hotel Star Inn +351 228 347 000
Rua Senhora Porto 930. 4250-453 Porto

Hotel Teatro +351 220 409 620
Rua Sá Bandeira 84. 4000-427 Porto

The Yeatman +351 220 133 100
Rua do Choupelo. 4400-088 Vila Nova de Gaia

Emergency Numbers

National Emergency Line (health, police, fire) **112**

Nearby police station +351 222 056 675

Hospital de São João +351 225 512 100

Supporters of the Conference

We are proud of the generous support of SIES2013 by the following companies and institutions. They have helped fundamentally to deliver on what you experience in these days and we are indeed very grateful.



