



<http://teemconference.eu>

# TEEM'15

Technological Ecosystems  
for Enhancing Multiculturality

**7-9 OCTOBER 2015**  
**ISEP, PORTO**

PROGRAMME

# TEEM'15

Technological Ecosystems for Enhancing Multiculturality

Porto, October 7<sup>th</sup>-9<sup>th</sup>, 2015

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**ISEP** Instituto Superior de Engenharia do Porto

**IPP** Instituto Politécnico do Porto

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Rua Dr. António Bernardino de Almeida, 431

4249-015 PORTO

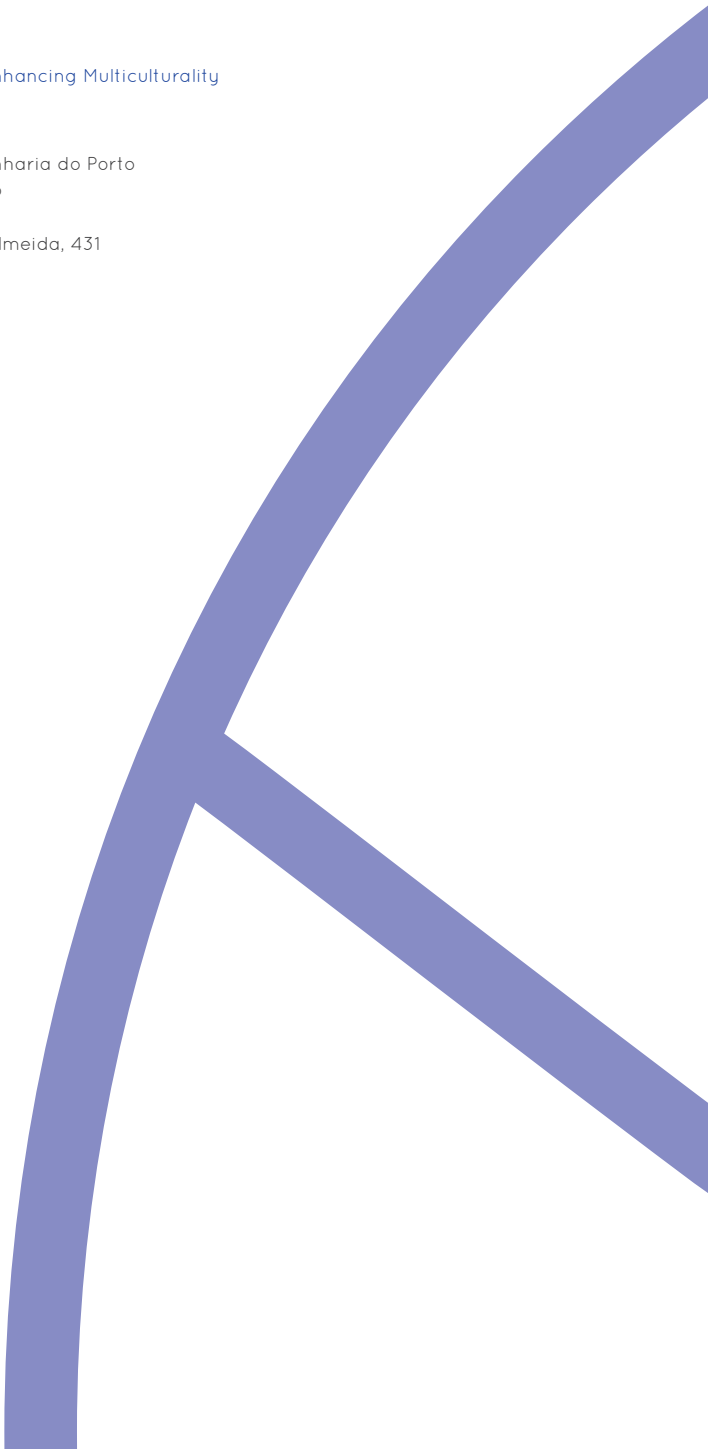
PORTUGAL

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# TEEM'15

Technological Ecosystems  
for Enhancing Multiculturality

**7-9 OCTOBER 2015**  
**ISEP, PORTO**

PROGRAMME

# TIMETABLE

	Wednesday, October 7 <sup>th</sup>	Thursday, October 8 <sup>th</sup>	Friday, October 9 <sup>th</sup>
8:00-8:30	REGISTRATION/HELP DESK Room E206	REGISTRATION/HELP DESK Room E206	REGISTRATION/HELP DESK Room E206
8:30-9:00			
9:00-9:30	OPENING SESSION Room E207	T2-I Room E208	ISELEAR'15 Room E207
9:30-10:00	T8 Room E207		
10:00-10:35			
10:35-11:00	COFFEE BREAK	COFFEE BREAK	COFFEE BREAK
11:00-11:30	T9-I Room E208	T10-I Room E210	T2-II Room E208
11:30-12:00			T14-I Room E210
12:00-12:35	T9-II Room E208	T10-II Room E210	T2-III Room E208
12:35-13:05			T14-II Room E210
13:05-14:00	LUNCH Room F227	LUNCH Room F227	Porto Design Factory Room E207
14:00-14:40	T9-III Room E208	T4 Room E210	Open Education Jam Mix Room E207
14:40-15:10			CLOSING SESSION Room E207
15:15-15:40	T9-IV Room E208	T13-I Room E210	FAREWELL LUNCH Room A202
15:40-16:25			
16:25-16:50	COFFEE BREAK	COFFEE BREAK	
16:50-17:25	T1-I Room E208	T13-II Room E210	
17:25-17:55			
18:00-18:30	T1-II Room E208		
18:35-19:00			T12 Room E210
19:00-19:30			
19:30-20:00			
20:30		GALA DINNER Fundação Cupertino Miranda	
22:00	OPEN SOCIAL PROGRAM		

# CAMPUS ISEP

- A**
  - Congress Center [A]
  - Students Union
  - Bar

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- B**
  - Informatics Engineering, Department of
  - Copy Center

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- C**
  - Geotechnical Engineering, Department of
  - Civil Engineering, Department of
  - ISEP Museum

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- D**
  - Geotechnics And Building Materials Laboratory

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- E**
  - Congress Center [E] - **TEEM'15**
  - Presidency
  - Library
  - Services
  - ISEP | GO - Student Counselling Service
  - Health Club
  - Travel Agency

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- F**
  - Mechanical Engineering, Department of
  - Electrical Engineering, Department of
  - CIDEM - Research And Development Center in Mechanical Engineering
  - GILT - Graphics, Interaction And Learning Technologies
  - Restaurant

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- G**
  - Chemical Engineering, Department of
  - Bar Sas.IPP

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- H**
  - Congress Center [H]
  - Mechanical Engineering, Department of
  - Chemical Engineering, Department of
  - Mathematics, Department of
  - Physics, Department of
  - Canteen/Cafeteria

- I**
  - Electrical Engineering, Department of
  - GECAD - Knowledge Engineering and Decision Support Research Center

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- J**
  - Civil Engineering, Department of
  - Management, Department of

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- L**
  - Technology Laboratory

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- M**
  - CIETI - Centre of Innovation in Engineering and Industrial Technology

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- N**
  - GECAD - Knowledge Engineering and Decision Support Research Center

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- O**
  - Intelligente Building

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- P**
  - LSA - Autonomous Systems Laboratory

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- Q**
  - Automotive Laboratory

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- R**
  - Academiaco.ISEP

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- S**
  - Biomark - Sensor Research
  - CEA - Water Studies Centre

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  - CISTER - Research Center In Real Time Computing Systems

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- 1**
  - Dr. António Bernardino de Almeida Street

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- 2**
  - Conde de Avranches Street

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- 3**
  - S. Tomé Street



# Wednesday, October 7<sup>th</sup>

8:00

**REGISTRATION / HELP DESK** (all day)

Room E206

9:00 - 9:30

**OPENING SESSION**

Auditório E (Room E207)

**President of IPP** (to be confirmed)

**Steering Committee Chair** - Francisco José García-Peñalvo - Uni. of Salamanca

**Conference Chair** - Gustavo Alves - ISEP

9:30 -10:35

**TRACK 08.**

Evaluation in education and guidance

Auditório E (Room E207)

**Presentation:** Maria José Rodríguez-Conde, Susana Olmos Migueláñez and

Maria João Silva

**#101** B-Learning in the School of Education at the Polytechnic Institute of Porto  
Armando da Silva

**#49** Assessment of the Intercultural Mentoring Programme  
Paloma No-Gutiérrez, M<sup>a</sup> José Rodríguez-Conde, Valentina Zangrando and  
Antonio M Seoane-Pardo

**#50** Digital literacy and digital competences in the educational evaluation:  
USA and IEA contexts

Ana Pérez-Escoda and M<sup>a</sup> José Rodríguez-Conde

**#87** Freshman's Perceptions in Engineering Courses: early findings  
Celina Pinto Leão, Filomena Soares, Anabela Guedes, Teresa Sena Esteves,  
Gustavo Alves, Isabel Brás Pereira, Romeu Hausmann and Clovis Petry

10:35-11:00

**COFFEE BREAK**

11:00-12:00

**TRACK 09-I.**

New publishing and scientific communication ways:

Electronic edition, digital educational resources

Sala de Atos (Room E208)

**Presentation:** José Antonio Cerdón, Raquel Gómez Díaz and Maria Manuel Borges

**#4** How Can Errors in English Abstracts Get into Final Copy? A Survey of Non-  
native Journal Editors and Authors  
Daniel Linder

**#15** Sensos-e: The Potential and Challenges of a Multimedia Journal of  
Research in Education

Maria João Silva, Armando Silva, José Alexandre Pinto, Silvia Barros, Manuela  
Pessanha, Cláudia Lima-Maia and Daniela Mascarenhas

11:00-12:00

### TRACK 10-I.

Transferring knowledge and experiences from informal to formal learning contexts

Sala de Reuniões (Room E210)

**Presentation:** Francisco José García-Peñalvo and Dai Griffiths

#### #46 Designing an Informal Learning Support Framework

Nikolas Galanis, Enric Mayol, Marc Alier and Francisco José García-Peñalvo

#### #75 Learning services-based technological ecosystems

Francisco José García-Peñalvo, Ángel Hernández-García, Miguel Ángel Conde, Ángel Fidalgo-Blanco, María L. Sein-Echaluze, Marc Alier, Faraón Llorens-Largo and Santiago Iglesias-Pradas

12:05-13:05

### TRACK 09-II.

New publishing and scientific communication ways:  
Electronic edition, digital educational resources

Sala de Atos (Room E208)

**Presentation:** José Antonio Cordón, Raquel Gómez Díaz and Maria Manuel Borges

#### #25 Building a corpus of printed Latin American and Caribbean literature for the analysis of search outcomes on digital platforms and digital libraries

Adrián Vila

#### #29 Theoretical-Methodological proposal to evaluate the quality of educational web sites to support education

Ana M. Santos

#### #55 The implications of Wikipedia for contemporary science education: Using Social Network Analysis Techniques for Automatic Organisation of Knowledge

Carlos G. Figuerola, Tamar Groves and Miguel Angel Quintanilla

12:05-13:05

### TRACK 10-II.

Transferring knowledge and experiences from informal to formal learning contexts

Sala de Reuniões (Room E210)

**Presentation:** Francisco José García-Peñalvo and Dai Griffiths

#### #78 Semantic Similarity algorithm for SOAQ assessment

Safa Ben Salem, Lilia Cheniti Belcadhi and Rafik Braham

#### #82 Design of the survey instrument to evaluate innovation in healthcare centers

Hilda A. Del Carpio Ramos and Francisco José García-Peñalvo

#### #93 The relationships between visual communication and informal learning

Felicidad García-Sánchez, Roberto Theron Sánchez and José Gómez Isla

13:05-14:00

### LUNCH

Restaurant & Bar (Room F227)

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14:00-15:10

**TRACK 09-III.**

New publishing and scientific communication ways:  
Electronic edition, digital educational resources

Sala de Atos (Room E208)

**Presentation:** José Antonio Cordón, Raquel Gómez Díaz and Maria Manuel Borges

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**#56** Hybrid Publishing Design Methods For Technical Books

Ana Catarina Silva and Maria Manuel Borges

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**#61** Open access repositories as channel of publication scientific grey literature Tránsito

Ferreras-Fernández, Francisco José García-Peñalvo and José A. Merlo-Vega

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**#64** The social role of the libraries: a perspective beyond books

Táisa Rodrigues Dantas

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14:00-15:10

**TRACK 04.**

Gamification ecosystems

Sala de Reuniões (Room E210)

**Presentation:** Miroslav Minović, Miloš Milovanović and Paula Escúdeiro

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**#14** Proposed Framework for Gamifying Research Activities

Shigeki Ohira, Saya Sugiura and Katashi Nagao

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**#67** VirtualSign Translator as a Base for a Serious Game.

Paula Escudeiro, Nuno Escudeiro, Marcelo Norberto and Jorge Lopes

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15:15-16:25

**TRACK 09-IV.**

New publishing and scientific communication ways:  
Electronic edition, digital educational resources

Sala de Atos (Room E208)

**Presentation:** José Antonio Cordón, Raquel Gómez Díaz and Maria Manuel Borges

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**#68** Going Digital! Nosolorol or a Different Way of Creating Books in the 21<sup>st</sup> Century

Héctor Sevillano Pareja

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**#81** Bibliometric Study and Network Analysis of the Phenomenon of Self-Publishing

Almudena Mangas-Vega

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**#94** e-Score; Impact, perception and uses in music educational institutions

Javier Merchán Sánchez-Jara

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15:15-16:25

### TRACK 13-I.

#### Engineering and technological learning in educational and professional contexts

Sala de Reuniões (Room E210)

**Presentation:** Clara Viegas, Arcelina Marques and Gustavo Alves

**#6** Introducing Big Data topics: a multcourse experience report from Norway  
Beathe Due, Monica Kristiansen, Ricardo Colomo-Palacios and Dang Ha The Hien

**#23** Enhancing STEM courses through A Robotic Innovative project  
Sérgio Silva, Salviano Soares, António Valente, Rolando Barradas and Paulo Bartolomeu

**#59** Mathematics and technological integration in the Brazilian basic education as motivation to STEM  
Priscila Cadorin Nicolete, Marta Adriana da Silva Cristiano, Juarez Bento Silva, Simone Meister Sommer Bilessimo, José Pedro Schardosim Simão, Kryscia Daviana Ramirez Benavides and João Bosco da Mota Alves

**#52** New technologies applied to the development of risk prevention competency in engineering students  
Laura Lavandero Mayo, Ana María Vivar Quintana and Ana Belén González Rogado

16:25-16:50

### COFFEE BREAK

16:50-17:55

### TRACK 01-I.

#### New Technologies in Health Education and Research

Sala de Atos (Room E208)

**Presentation:** Juan A. Juanes Méndez, Pablo Ruisoto Palomera and Piedade Barros

**#7** Synopsis of discussion session on defining a new quality protocol for medical apps  
Laura Briz-Ponce, Juan Antonio Juanes-Méndez and Francisco José García-Peñalvo

**#9** Practical Applications of Movement Control Technology in the Acquisition of Clinical Skills  
Juan A. Juanes, Juan J. Gómez, Pedro D. Peguero and Pablo Ruisoto

**#12** Technologic 3D view design of the anatomical structures with teaching purpose  
Raul Calle Escuredo, Juan A. Juanes Méndez, Belén Curto Diego, Felipe Hernandez Zaballo, Vidal Moreno Rodilla and Pablo Alonso Hernandez

**#20** Application of the 3D Slicer software in the Study of the Brain's Ventricular System  
Miguel G. Domínguez, Cristina Hernández, Pablo Ruisoto, Juan A. Juanes, Alberto Prats and Tomás Hernández

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16:50-17:55

**TRACK 13-II.**

Engineering and technological learning in educational and professional contexts

Sala de Reuniões (Room E210)

**Presentation:** Clara Viegas, Arcelina Marques and Gustavo Alves

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**#58** Higher Education Competences versus Companies Professional Needs in Engineering

Natércia Lima, Joaquim Alves and Gustavo Alves

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**#79** A Market Approach for Curricular Capstone-Internships

Antonio Cardoso Costa

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**#88** Internship Assessment from Company Supervisor's viewpoints: a five-year experience

Isabel M. Brás Pereira, Paulo Silva, Teresa Sena Esteves, Margarida Ribeiro, Anabela Guedes, Celina P. Leão and Filomena Soares

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**#97** Academic internships: the experience of the Civil Engineering Department of ISEP

Diogo Ribeiro, Tiago Abreu, Rui Camposinhos, Carlos Félix, Rui Gomes dos Santos, Maria de Fátima Portela and Sílvia Azevedo

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18:00-19:30

**TRACK 01-II.**

New Technologies in Health Education and Research

Sala de Atos (Room E208)

**Presentation:** Juan A. Juanes Méndez, Pablo Ruisoto Palomera and Piedade Barros

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**#10** Analysis of the Oculus Rift Device as a Technological Resource in Medical Training through Clinical Practice

Juan A. Juanes, Juan J. Gómez, Pedro D. Peguero, Juan G. Lagándara and Pablo Ruisoto

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**#21** Graphical Experiment Builder Applications for Neuroscientists

Pablo Ruisoto, Alberto Bellido, Javier Ruiz, Juan A. Juanes and Silvia L. Vaca

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**#40** A theoretical inquiry into the role of enaction in Cybertherapy

Cláudio Alexandre S. Carvalho

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**#44** e-Health Literacy in Ageing

Anabela Martins, Isabel Andrade, Ricardo Pocinho and Pedro Belo

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**#62** A simulation environment using a simulator mannequin for the acquisition of skills by medical students in traumatic brain injury.

M. José Sanchez-Ledesma, Juan A. Juanes, Carlos Bautista, David Miranda, Consuelo Sancho and Jesús M. Gonçalves

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**#73** Cooperative Networks and their Influence on Engagement with Nursing Students

Pilar Marqués-Sánchez, Javier Alfonso-Cendón, M<sup>º</sup> Elena Fernández-Martínez, Cristina Liébana-Presa, Arrate Pinto-Carral and Miguel Ángel Conde

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18:00-19:30 **TRACK 13-III.**

Engineering and technological learning in educational and professional contexts

Sala de Reuniões (Room E210)

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**Forum** Discussion between Academia, Companies and Students

**Moderator:** Gustavo Alves

**Invited Speakers:** Alfredo Soares Ferreira (Engenho & Obra), António Costa (ISEP), Diana Vieira (IPP), Diogo Ribeiro (ISEP), Inês Magalhães (ISEP-GO), Isabel Brás Silva (ISEP), Joaquim Alves ((ISEP), Joaquim Filipe (HealthyRoad), José Diogo Pimentel (Presidente da Associação de Estudantes do ISEP), José Manuel Fonseca (Universidade Nova de Lisboa), Manuela Azevedo (CIN), Paulo Couto (Bosch), Paulo Gil (Amorim), Paulo Silva (ISEP), Rita Faria (BEST), Tiago Monteiro (BEST).

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22:00

**OPEN SOCIAL EVENT**

# Thursday, October 8<sup>th</sup>

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**8:30**      **REGISTRATION / HELP DESK** (All day)  
Room E206

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**9:00-10:35**    **TRACK 02-I.**  
Educational innovation  
Sala de Atos (Room E208)  
**Presentation:** María Luisa Sein-Echaluce, Ángel Fidalgo-Blanco and Neuza Pedro

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**#8** High vs. low intensity courses. Student Technological Behavior  
Ernest Redondo, Lluís Giménez, Francesc Valls, David Fonseca, Isidro Navarro  
and Sergi Villagrasa

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**#16** Developing a VLE to Enable the Innovative Learning of English Pronunciation  
Ana M<sup>a</sup> Pinto-Llorente, M<sup>a</sup> Cruz Sánchez-Gómez and Francisco José García-Peñalvo

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**#19** Exploring the use of Quick Response Codes: accessing videos in the laboratory  
Marina Duarte, Andresa Baptista and Gustavo Pinto

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**#22** Virtual Heritage Territories: Augmented Reality and Pedestrian Navigation  
through educational implementation  
Jorge Joo Nagata, José García-Bermejo Giner and Fernando Martínez Abad

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**#17** Student Perception of the Use of a Blended-Learning Model to Improve  
Grammatical Competence  
Ana M<sup>a</sup> Pinto-Llorente, M<sup>a</sup> Cruz Sánchez-Gómez and Francisco José García-Peñalvo

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**10:35-11:00**    **COFFEE BREAK**

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**11:00-12:00**    **TRACK 02-II.**  
Educational innovation  
Sala de Atos (Room E208)  
**Presentation:** María Luisa Sein-Echaluce, Ángel Fidalgo-Blanco and Neuza Pedro

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**#26** Teacher Attitudes Towards ICT in the Context of Inclusive Education  
José M<sup>a</sup> Fernández-Batanero and M<sup>a</sup> Jesús Colmenero Ruiz

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**#27** Mobile Personal Learning Environments: conceptualization and structure  
Patricio Ricardo Humanante-Ramos, Francisco José García-Peñalvo and Miguel  
Ángel Conde-González

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**#42** Monitoring technologies in Suricata model for the formal and informal  
learning areas  
Roberto Domínguez-Rodríguez, Jose Carlos Nelson Santana and Enrique Rubio Royo

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**#66** Mobile Acceptance among Pre-Service Teachers: A Descriptive Study  
Using a TAM-Based Model  
José Carlos Sánchez Prieto, Susana Olmos Migueláñez and Francisco José  
García-Peñalvo

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11:00-12:00

**TRACK 14-I.**

Doctoral Consortium

Sala de Reuniões (Room E210)

**Presentation:** Francisco José García-Peñalvo

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**#13** Demographic Change – Towards a framework to manage IT-personnel in times of scarcity of talent

Olaf Radant, Ricardo Colomo-Palacios and Vladimir Stantchev

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**#54** Evolutionary Analysis of Online Labs

Raúl Cordeiro, José Manuel Fonseca and Gustavo R. Alves

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12:05-13:05

**TRACK 02-III.**

Educational innovation

Sala de Atos (Room E208)

**Presentation:** María Luisa Sein-Echaluce, Ángel Fidalgo-Blanco and Neuza Pedro

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**#70** Collaborative Learning using tablets in EFL to develop Oral Communication

Silvia Roda Couvaneiro and Neuza Pedro

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**#71** Teaching Sustainability in a Multicultural Environment

Nidia Caetano, João Rocha, José Carlos Quadrado, José Marílio Cardoso and Manuel Carlos Felgueiras

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**#83** Educational Innovation Management. A Case Study at the University of Salamanca

Francisco José García-Peñalvo, María Luisa Sein-Echaluce and Ángel Fidalgo-Blanco

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**#84** Design of an innovative approach based on Service Learning for Information Technology Government Teaching

Francisco José García-Peñalvo and Faraón Llorens-Largo

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12:05-13:05

**TRACK 14-II.**

Doctoral Consortium

Sala de Reuniões (Room E210)

**Presentation:** Francisco José García-Peñalvo

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**#60** The audiovisual and digital media as transmitting vehicle between academic world and work world in higher education.

David Martínez Sánchez, Francisco Javier Frutos Esteban and Isabel M. Barrios Vicente

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**#80** Personal Learning Environments (PLE) in The Teaching Ecosystem: A proposal in development

Cecilia Aranda Cortínez and Ana García-Valcárcel

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**#89** A Federation of Online Labs for Assisting Engineering and Sciences Education in the MENA Region

Razwan Mohmed Salah, Pedro Guerreiro and Gustavo R. Alves

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13:05-14:00

**LUNCH**

Restaurant & Bar (Room F227)

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14:00-15:10

## TRACK 02-IV.

### Educational innovation

Sala de Atos Room E208

**Presentation:** María Luisa Sein-Echaluce, Ángel Fidalgo-Blanco and Neuza Pedro

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**#85** Design of adaptive experiences in Higher Education through a Learning Management System

María Luisa Sein-Echaluce, Pedro Manuel Aguado, Javier Esteban-Escaño, Ana Esteban-Sánchez, María Columna Gracia-Gómez, Patricia Florentin, Dolores Leris, Fernando Vea and María Ángeles Velamazán

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**#86** A repository of students' resources to improve the teamwork competence acquisition

María Luisa Sein-Echaluce, Ángel Fidalgo-Blanco and Francisco José García-Peñalvo

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**#95** Identifying Educational Innovation Characteristics

Ángel Fidalgo-Blanco, María Luisa Sein-Echaluce and Francisco José García-Peñalvo

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**#106** Analysis of Knowledge Management Experiences in Spanish Public Administration

Alicia García-Holgado, Juan Cruz-Benito and Francisco José García-Peñalvo

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14:00-15:10

## TRACK 06-I.

### Mobile Apps and computational systems as learning tools

Sala de Reuniões Room E210

**Presentation:** Ana Iglesias Rodríguez, Blanca García Rianza and José Paulo Cravino

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**#18** Orbital Mechanics via a Simulation-based learning

Santiago E. Moll, José-A. Moraño, Luis M. Sánchez-Ruiz and Nuria Llobregat-Gómez

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**#41** Development of an App for Compressible Flow "App4Comp"

Andrés Adam Alberdi and P. Javier Gamez-Montero

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**#43** Doing Physics Experiments and Learning with Smartphones

Manuel Á. Gonzalez, Juarez Bento da Silva, Juan Carlos Cañedo, Félix Huete, Óscar Martínez, Diego Esteban, Javier Manso, Willian Rochadel and Miguel Á. Gonzalez

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15:15-16:25

## TRACK 05.

### Endless horizons? Addressing current concerns about learning analytics

Sala de Atos Room E208

**Presentation:** Miguel Ángel Conde-González, Ángel Hernández-García and Amílcar Oliveira

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**#3** Identifying writing profiles in game-based language using data mining

Manuel Palomo-Duarte, Anke Berns, Andrés Yañez Escolano and Juan Manuel Dodero

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**#24** Am I failing this course? Risk prediction using e-learning data

Celia González Nespereira, Ana Fernández Vilas and Rebeca P. Díaz-Redondo

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**#63** Analyzing the employability and employment factors of graduate students in Spain: The OEEU Information System

Francisco Michavila, Martín Martín-González, Jorge M. Martínez, Francisco J. García-Peñalvo and Juan Cruz-Benito

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15:15-16:25

## TRACK 06-II.

### Mobile Apps and computational systems as learning tools

Sala de Reuniões Room E210

**Presentation:** Ana Iglesias Rodríguez, Blanca García Riaza and José Paulo Cravino

#### #91 Educational experience of collaborative work with mobile devices in Primary Education

Ana Iglesias Rodríguez, Blanca García Riaza, M<sup>a</sup> Cruz Sánchez Gómez and Francisco Blanco Rubio

#### #51 APP Inventor as a Tool to Reach Students

Diogo Ramos, P. B. de Moura Oliveira and E. J. Solteiro Pires

#### #53 Creating a protocol for collaborative mobile applications for kids between 4 and 6 years old

Krystcia Ramírez-Benavides, Franklin García and Luis A. Guerrero

#### #57 Designing and building systems and tools to analyze visual communications on social networks

Felicidad García-Sánchez, Juan Cruz-Benito, Roberto Therón and José Gómez-Isla

16:25-16:50

## COFFEE BREAK

16:50-19:30

## TRACK 11.

### Project presentations

Sala de Atos Room E208

**Presentation:** Nick Kearney and Paula Peres

#### #28 Master Model to Gain Time in Your Classroom: An Ongoing European Project

Paula Peres and Anabela Mesquita

#### #30 Financial Literacy in Portugal: state of the art and gap analysis

Anabela Mesquita, Paula Peres and Luciana Oliveira

#### #35 Simulation for Entrepreneurship - ENTRE4FUTURE: An Ongoing European Project

Paulino Silva, Anabela Mesquita and Rui Bertuzi

#### #74 EOLES Project...Teaching Unit experiences

André Fidalgo, Manuel Gericota, Paulo Ferreira, Denis Barataud, Guillaume Andrieu, Renaat De Craemer, Mihail Cristea, Abdelhalim Benachenhou, Mohammed Ankrim and Karim Bouchlaghem

#### TACCLE2 Project

Presented by Prof. Dr. De Pryck

#### EduForHealthy Project

Presented by Zuhail Yilmaz

#### IERS Project

Presented by Alicia García-Holgado

#### VALS Project

Presented by Francisco J. García-Peñalvo

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**16:50-18:30 TRACK 03.**

**A robot in the classroom**

Sala de Reuniões Room E210

**Presentation:** Belén Curto, Vidal Moreno and Manuel F. Silva

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**#65** Modular Pick and Place Simulator using ROS Framework

Pedro Tavares, Pedro Costa, José Lima and António Paulo Moreira

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**#36** Development of Biomimetic Robots in the EPS Engineering Programme Capstone Project

Manuel F. Silva, Benedita Malheiro, Pedro Guedes, Paulo Ferreira, Cristina Ribeiro, Fernando Ferreira and Abel J. Duarte

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**#11** Implementation of a Novel Industrial Robotics Course and its Evaluation by Students

Manuel F. Silva

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**#33** Design and Implementation of a Biologically Inspired Flying Robot - An EPS@ISEP 2014 Spring Project

Bénédicte Caramin, Iain Dunn, Rauno Ney, Yvonne Klawikowski, Abel J. Duarte, Benedita Malheiro, Cristina Ribeiro, Fernando Ferreira, Manuel F. Silva, Paulo Ferreira and Pedro Guedes

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**#34** Design and Implementation of a Biologically Inspired Swimming Robot - An EPS@ISEP 2014 Spring Edition Project

Alicia Ishii, Magdalena Heibeck, Marcin Blazejewski, Rasmus Nybjörk, Abel J. Duarte, Benedita Malheiro, Cristina Ribeiro, Fernando Ferreira, Manuel F. Silva, Paulo Ferreira and Pedro Guedes

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**18:35-19:30 TRACK 12.**

**Learning the sustainability and social compromise skills**

Sala de Reuniões Room E210

**Presentation:** Jose Cabré, David López and Nidia Caetano

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**#31** Design and Development of a Solar Dryer for Microalgae Retrieval - An EPS@ISEP 2013 Spring Project

Alexandra Brygider, Bartłomiej Marciniak, Benedicte Verbraeken, Paul Ahlskog, Sven Petersen, Benedita Malheiro, Cristina Ribeiro, Manuel F. Silva, Nidia Caetano, Paulo Ferreira and Pedro Guedes

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**#32** Aquaponics System - An EPS@ISEP 2014 Spring Project

Anna Mesas Llauroado, Arlene Docherty, Gwénaél Méry, Natalia Sokolowska, Sean Keane, Abel J. Duarte, Benedita Malheiro, Cristina Ribeiro, Fernando Ferreira, Manuel F. Silva, Paulo Ferreira and Pedro Guedes

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**#47** Implementation of Competences of Social and Environmental Responsibility in IT Engineering Degrees

Rafael Miñano, Celia Fernández Aller and Aurea Anguera

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**#105** Participatory learning process through ICT4D projects

David Lopez, David Franquesa, Leandro Navarro, Fermín Sánchez, Jose Cabré and Marc Aliet Forment

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**20:30**

**GALA DINNER**

Fundação Cupertino de Miranda



# Friday, October 9<sup>th</sup>

**08:30-11:00** **REGISTRATION / HELP DESK** (All day)  
Room E206

**9:00-10:35** **ISELEAR'15** - International Workshop on Software Engineering for E-learning

Auditório E (Room E207)

**Presentation:** Miguel Ángel Conde-González, José Luis Sierra Rodríguez and Antonio Sarasa-Cabezuelo

**#98** Definition and deployment of a non-formal learning environment in a business context

Miguel Á. Conde, Gonzalo Esteban-Costales, Victor Rodríguez-Méndez, Camino Fernández-Llamas and Luis A. Amador

**#99** A Domain Specific Language to retrieve objective indicators for foreign language learning in virtual worlds

Antonio Balderas, Anke Berns, Manuel Palomo-Duarte, Juan M. Dodero, Raúl Gómez-Sánchez and Iván Ruiz-Rube

**#102** Influence of the students' learning strategy on the evaluation scores

P. Molins-Ruano, F. Jurado, P. Rodríguez, S. Atrio and G. M. Sacha

**#103** Faat - Freelance as a Team

Rodrigo Borrego Bernabé, Iván Álvarez Navia and Francisco José García-Peñalvo

**#104** Definition of a Technological Ecosystem for Scientific Knowledge Management in a PhD Programme

Alicia García-Holgado, Francisco J. García-Peñalvo and María José Rodríguez-Conde

10:35-11:00

COFFEE BREAK

11:00-11:30

**Porto Design Factory**

Auditório E (Room E207)

**Presentation:** Natália Guimarães

11:30-12:35

**Open Education Jam Mix**

Auditório E (Room E207)

**Presentation:** Graham Attwell, Ana Garcia and Jim Groom

12:35-13:05

**CLOSING SESSION**

Auditório E (Room E207)

President of ISEP (to be confirmed)

Steering Committee Chair - Francisco José García-Peñalvo - Uni. of Salamanca  
Conference Chair - Gustavo Alves - ISEP

13:05-14:40

**FAREWELL LUNCH**

Room A202

Organization

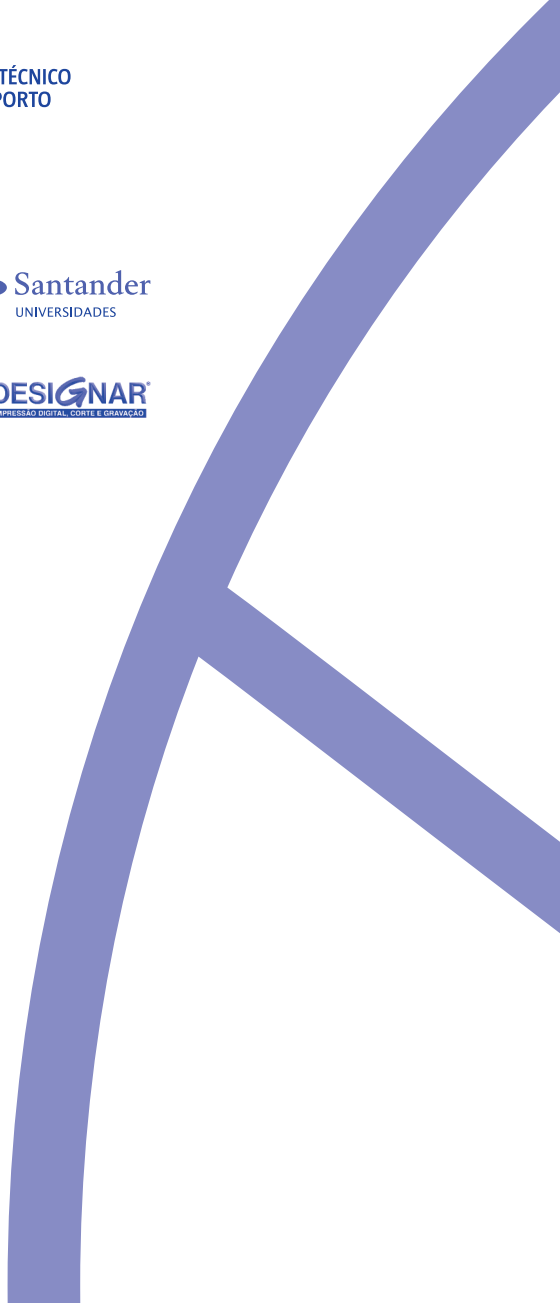


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# TEEM'15

Technological Ecosystems for Enhancing Multiculturality

Porto, October 7<sup>th</sup>-9<sup>th</sup>, 2015

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**ISEP** Instituto Superior de Engenharia do Porto  
**IPP** Instituto Politécnico do Porto

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