Location:
Instituto Universitario de Ciencias de la Educación (IUCE)
University of Salamanca
Faculty of Education
Paseo Canalejas, 169
37008 Salamanca, Spain
Phone: (+34) 923 294500 (ext. 3433)
Email: info@teemconference.eu

WEDNESDAY, 2nd NOVEMBER 2016

9.00 – 14.00  Registration. Help Desk.
16.00 – 19.30 Location: GRIAL Office (IUCE)

9.30 – 10.30  TEEM 2016 Conference Opening Session

9.30 – 10.00  Authorities Welcome speech
10.00 – 10.30  Presentation of the H2020 WYRED Project
Location: Assembly Hall. Faculty of Education.

10.30 – 11.00  Coffee break
Location: IUCE

11.00 – 14.00  Sessions: Track 10, 12 and 13.
14.00 – 16.00  Lunch
16.00 – 20.00  Sessions: Track 1, 6, 11, 12.
21.30  Gala dinner
Location: La Hoja 21 (C/ San Pablo, 21)

TRACK 10. TEACHER EDUCATION RESEARCH AND ICT

Wednesday, 2nd November
Room 17A (IUCE)

Presentation: Teacher education research and ICT. Juan José Mena and Maria Assunção Flores

11.00 – 11.15  Towards an online disciplines knowledge capitalization for MOOCs. Nacera Hammid and Farida Bouarab-Dahmani
<table>
<thead>
<tr>
<th>Time</th>
<th>Title</th>
<th>Authors</th>
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</thead>
<tbody>
<tr>
<td>11.15 – 11.30</td>
<td>Technological needs calling for the application of coaching in university advising: Functional proposal. Jose Antonio Montero, David Fonseca, Lluís Vicent, August Climent, Xavier Canaleta and Sergi Villagrasa</td>
<td>Jose Antonio Montero, David Fonseca, Lluís Vicent, August Climent, Xavier Canaleta, Sergi Villagrasa</td>
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<tr>
<td>11.30 – 11.45</td>
<td>Teachers’ use of technology in the university classroom. Albert Cubeles and David Riu</td>
<td>Albert Cubeles and David Riu</td>
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<tr>
<td>11.45 – 12.00</td>
<td>Fostering Teacher Development Using Simple Technologies to Listen and Respond to Accounts of Learning from Experience. Tom Russell</td>
<td>Tom Russell</td>
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<tr>
<td>12.00 – 12.15</td>
<td>Recognition of an optimal study modality in a continuous education program in Mexico. Adriana-Irene Carrillo-Rosas and Leonardo Glasserman</td>
<td>Adriana-Irene Carrillo-Rosas and Leonardo Glasserman</td>
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<tr>
<td>12.15 – 12.30</td>
<td>Enjoyment, Resistance to Change and mLearning Acceptance Among Pre-Service Teachers. José Carlos Sánchez Prieto, Susana Olmos-Migueláñez and Francisco José García Peñalvo</td>
<td>José Carlos Sánchez Prieto, Susana Olmos-Migueláñez, Francisco José García Peñalvo</td>
</tr>
<tr>
<td>12.30 – 12.45</td>
<td>Evidence-based Innovation methodology as a way to produce Open Educational Resources by in-service teachers. Celia Paola Sarango-Lapo, Juanjo Mena and Maria-Soledad Ramírez-Montoya</td>
<td>Celia Paola Sarango-Lapo, Juanjo Mena, Maria-Soledad Ramírez-Montoya</td>
</tr>
<tr>
<td>12.45 – 13.00</td>
<td>Methodological proposal for massive training of Ecuador’s civil servants, in the educational field, through MOOC courses on: Virtual Learning Environments. Lena Ivannova Ruiz Rojas and Francisco J. García Per álvo</td>
<td>Lena Ivannova Ruiz Rojas, Francisco J. García Per álvo</td>
</tr>
<tr>
<td>13.30 – 13.45</td>
<td>The use of wiki as a learning tool by pre-service Primary Education teachers: a pre-placement school study. Luis Gonzalez Rodero</td>
<td>Luis Gonzalez Rodero</td>
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</table>

**TRACK 12. EDUCATIONAL INNOVATION**

Wednesday, 2nd November  
Room 16A (IUCE)

Presentation: Educational Innovation. Ángel Fidalgo and María Luisa Sein-Echaluce

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<thead>
<tr>
<th>Time</th>
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<tbody>
<tr>
<td>11.00 – 11.15</td>
<td>Evaluation of teamwork competence acquisition by using CTMTC methodology and Learning Analytics Techniques. Miguel Ángel Conde, Francisco Jesús Rodríguez-Sedano, Lidia Sánchez-González, Camino Fernández-Llamas, Francisco J. Rodríguez-Lera and Vicente Matellan-Olivera</td>
<td>Miguel Ángel Conde, Francisco Jesús Rodríguez-Sedano, Lidia Sánchez-González, Camino Fernández-Llamas, Francisco J. Rodríguez-Lera, Vicente Matellan-Olivera</td>
</tr>
<tr>
<td>11.15 – 11.30</td>
<td>Systematic mapping of the literature: social innovation laboratories for the collaborative construction of knowledge from the perspective of open innovation. José Antonio Yañez-Figueroa, Maria Soledad Ramírez-Montoya and Francisco J. García-Peñalvo</td>
<td>José Antonio Yañez-Figueroa, Maria Soledad Ramírez-Montoya, Francisco J. García-Peñalvo</td>
</tr>
</tbody>
</table>
11.45 – 12.00 Training to capture software requirements by role playing. **Pablo Delatorre and Alberto Salguero**

12.00 – 12.15 The Use of Online Quizzes for Continuous Assessment and Self-Assessment of Second-Language Learners. **Ana María Pinto-Llorente**, Mª Cruz Sánchez-Gómez, Francisco José García-Peñalvo and Sonia Casillas-Martín

12.15 – 12.30 A strategy to reduce the blank answers on math tests at first engineering courses. **Susana Nieto and Higinio Ramos**

12.30 – 12.45 Dynamic visualization of the relative position of straight lines on the plane using Mathematica. **Higinio Ramos and Susana Nieto**

12.45 – 13.00 Betting on innovation and experiments. **Ana Pérez Antón**, M Jesús Santos, M Dolores Merchán and Cristina Prieto

13.00 – 13.15 Incidence of Hearing Training in Musical Reading at First Sight. An exploratory research. **Rubén Vázquez Sánchez**, Rocío Chao-Fernández and Aurelio Chao-Fernández

13.15 – 13.30 Analyzing navigation logs in MOOC: the Coursera case. **Martín Alonso Mercado-Varela**, Alicia García Holgado, Francisco José García Peñalvo and Maria Soledad Ramírez Montoya

**Wednesday, 2nd November**  
**Room 12A (IUCE)**

16.00 – 16.15 Relation between adaptive learning actions and profiles of MOOCs users. **Dolores Leris**, Miguel Hernández, Maria Luisa Sein-Echaluce and Ángel Fidalgo

16.15 – 16.30 Potential of the MOOC of MiriadaX for the formation of learning communities. **Silmara Marchena**, Erla Morales-Morgado and Vanessa Izquierdo

16.30 – 16.45 A3bycomp: a software tool to help social organizations to manage skills. **Daniel Clavero**, Miguel Ángel Verdugo and Maria Cruz Sánchez

16.45 – 17.00 ECO European Project: Inclusive Education through Accessible MOOCs. **Sara Osuna Acedo** and **Sara Tejera Osuna**

17.00 - 17.15 A cross-platform interoperable component for course analytics. **Daniel Pérez Berenguer and Jesús García Molina**

17.30 – 18.00 Coffee Break


18.15 – 18.30 How Wiki-based Tasks, and Forums Favor University Students’ Writing Skills and Promote Collaborative Autonomy. **Ana María Pinto-Llorente**, Mª Cruz Sánchez-Gómez, Francisco José García-Peñalvo and Marcos Cabezas-González

18.30 – 18.45 Leveraging chatbots to improve self-guided learning through conversational quizzes. **Juan Antonio Pereira**
18.45 – 19.00 ICT as an interdisciplinary learning platform of Mathematics, Music and Arts in Secondary Education. Rocio Chao-Fernández, Dorinda Mato-Vázquez and Vicente A. López-Chao

19.00 – 19.15 Study of the Methodologies used by the Teaching staff of Graphic Expression for adaptation to European Higher Education Area. University of Galice Case (Spain). Vicente López-Pena, Vicente A. López-Chao and Dario Ramiro Aparicio


19.30 – 19.45 Perception about Augmented Reality and Mobile Pedestrian Navigation tools with heritage content in the field of education. Jorge Joo, Fernando Martinez-Abad and Jose Rafael Garcia-Bermejo

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**TRACK 13. NEW TRENDS IN DIGITAL HUMANITIES**

Wednesday, 2nd November
Room 12A (IUCE)


11.00 – 11.30 Extracting static and dynamic model elements from textual specifications in humanities. Patricia Martin-Rodilla and Cesar Gonzalez-Perez.

11.30 – 12.00 What is translational literature and how to classify it? Crowd-sourcing as a starting point for corpus building and type distinction in Comparative Literature. Christine Ivanovic and Barbara Seidl.

12.00 – 12.30 Engaging Students in Curriculum Development: The Case of an Undergraduate Course in Digital Humanities. Esperanza Román Mendoza


13.00 – 13.30 From syllables, lines and stanzas to linked open data: standardization, interoperability and multilingual challenges for digital humanities. Elena González-Blanco García, Mara Manailescu and Salvador Ros

Wednesday, 2nd November
Room 17A (IUCE)

Presentation: Computational thinking in pre-university education. Francisco J. García-Peñalvo

16.00 – 16.15 A survey of resources for introducing coding into schools. Francisco J. García-Peñalvo, Angela Marie Rees, Jenny Hughes, Ilkka Jormanainen, Tapani Toivonen, Jens Vermeersch

16.15 – 16.30 From computational thinking to coding and back. Koen DePryck

16.30 – 16.45 Smart Textile objects and conductible ink as a context for arts based teaching and learning of computational thinking at primary school. Daniela Reimann and Christiane Maday

16.45 - 17.00 Computational thinking beyond STEM: an introduction to “moral machines” and programming decision making in Ethics classroom. Antonio M. Seoane Pardo

17.00 – 17.15 Developing Computational Thinking via the Visual Programming Tool: Lego Education WeDo. Ana Maria Pinto-Llorente, Sonia Casillas-Martín, Marcos Cabezas-González and Francisco José García-Peñalvo.

17.30 – 18.00 Coffee Break

18.00 – 18.15 Does computational thinking correlate with personality? The non-cognitive side of computational thinking. Marcos Román-González, Juan-Carlos Pérez-González, Jesús Moreno-León and Gregorio Robles.

18.15 – 18.30 Analysing the attitude of students towards robots when lectured on programming by robotic or human teachers. Miguel Ángel Conde, Camino Fernández Llamas, Francisco Javier Rodríguez-Lera, Francisco Javier Rodríguez-Sedano, Vicente Matellán and Francisco J. García Peñalvo.

18.30 – 18.45 Phogo: A low cost, engaging and modern proposal to learn how to program. Carlos Gonzalez-Sacristan, Carlos Garcia-Saura and Pablo Molins-Ruano

18.45 – 19.00 Relationship of knowledge to learn in programming methodology and evaluation of computational thinking. Arturo Rojas and Francisco J. García-Peñalvo

19.00 – 19.15 Student2student: Arduino Project-based Learning. Pablo Martin-Ramos, Maria João Lopes, M. Margarida Lima Da Silva and Manuela Ramos Silva

19.15 – 19.30 Improving computational skills and curriculum of Vocational Training students. Case Study: Technological Behaviour of pharmacy students in a Digital Marketing Course. Xavier Canaleta, David Fonseca, August Climent and Lluís Vicent

19.30 – 19.45 What is the question? Impact of question length and illustration support on the success and skip rates of pre-university mock online tests. Ernest Redondo, Joaquim Regot, David Fonseca, Francesc Valls and Lluís Giménez
TRACK 11. GAMIFICATION ECOSYSTEMS

Wednesday, 2nd November
Room 13A (IUCE)

Presentation: Gamification Ecosystems. Miroslav Minovic, milos Milovanovic and Francisco Gallego


16.30 – 16.45 Designing game-like activities to engage adult learners in higher education. Alberto Mora, Elena Planas and Joan Arnedo-Moreno

16.45 – 17.00 Design Patterns for Gamification of Work. Jakub Swacha and Karolina Muszyńska

17.00 - 17.15 Challenge-based gamification and its impact in teaching mathematical modeling. Elvira G Rincón Flores, María Soledad Ramírez Montoya and Juanjo Mena

17.15 – 17.30 Perceived Risks in Social Media Use – A Longitudinal Study Among University Students. Heli Aramo-Immonen, Jari J. Jussila, Ilona Ilvonen and Nina Helander

TRACK 6. LIFELONG EDUCATION

Wednesday, 2nd November
Room 13A (IUCE)

Presentation: LifeLong Education. Ricardo Pocinho, Pedro Belo and Eva Sánchez.

18.00 – 18.15 OPALESCE – Online Portal and Active Learning System for Senior Citizens in Europe.. Giselle Janeiro, Luis Jacob and Maria José Rodríguez Conde

18.15 – 18.30 Open Assessment Resources recommendation for competence assessment. Ameni Khacheb and Lilia Cheniti Belcadhi

18.30 – 18.45 Cultural Equipments as Elements for Knowledge Creation: Analysis of ‘Ley de la Ciencia, La Tecnología y La Innovacion’ of Spain. Elaine Da Silva, Marta Lígia Pomim Valentim and Marta de La Mano

18.45 – 19.00 Study of the Perception of Active Workers in Preparation for Retirement: Analysis of the Effect of the Education for Retirement in Psychological Well-being. Ricardo Pocinio, Esperanza Navarro Pardo, Juan José Fernandez Muñoz and Pedro Belo

19.00 – 19.15 Happiness in advanced adulthood and the elderly: the role of positive emotions, flourishing and mindfulness as well-being factors for successful aging. Cristina Cruz, Esperanza Navarro Pardos, Ricardo Pocinho and António Ferreira

19.15 – 19.30 Tourism Education in Spain: analysis and proposals from public and private sector. Clara Martín, Diana Gómez, Marta Plumed and Juan José Fernández

### THURSDAY, 3rd NOVEMBER 2016

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<td>9.00 – 14.00</td>
<td><strong>Registration. Help Desk.</strong></td>
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<tr>
<td>16.00 – 19.00</td>
<td><strong>Location:</strong> GRIAL Office (IUCE)</td>
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<td>11.00 – 11.30</td>
<td>Coffee break</td>
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<tr>
<td>09.00 – 14.00</td>
<td><strong>Sessions:</strong> Track 2, 4, 5, 7, 16 and Workshop</td>
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<tr>
<td>14.00 – 16.00</td>
<td>Lunch</td>
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<tr>
<td>16.00 – 20.00</td>
<td><strong>Sessions:</strong> Track 3, 15, 16 and Workshop</td>
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<td>21.30</td>
<td>Gala dinner</td>
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<td><strong>Location:</strong> La Hoja 21 (C/ San Pablo, 21)</td>
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### TRACK 2. ENGINEERING AND TECHNOLOGICAL LEARNING IN EDUCATIONAL AND PROFESSIONAL CONTEXTS

**Thursday, 3rd November**  
**Room 12A** (IUCE)

Presentation: Engineering and technological learning in educational and professional contexts. **Clara Viegas, Maria Marques and Gustavo Alves.**

**9.00 – 9.15** Design of Sustainable Domes in the Context of EPS@ISEP. **Akos Serfozo, Arne Speckstadt, Bogdan Marius Barb, Gergely Rajnai, Jaehyun Park, Jairo Pérez Daza, Joppe Balbaert, Klaudia Skonieczna, Marine Cazelles, Ramon Marimon Farran, Stancel Constantin Domenic, Abel Duarte, Benedita Malheiro, Cristina Ribeiro, Fernando Ferreira, Manuel Silva, Paulo Ferreira and Pedro Guedes.**

**9.15 – 9.30** Students’ expectations analysis before and after a curricular internship. **Isabel Pereira, Paulo Silva, M. Teresa Sena Esteves, Margarida M. Ribeiro, Anabela Guedes, Celina Leão and Filomena Soares.**

**9.30 – 9.45** Academic performance correlation with the qualification of Final Projects in Civil Engineering Degrees. **Francisco Cambronero, Jesús Mínguez and Roberto Serrano**

**9.45 – 10.00** Learning software project management in teams with diverse backgrounds. **Terje Samuelsen, Ricardo Colomo-Palacios and Monica Kristiansen.**
TRACK 7. ON TECHNOLOGICAL CHANGE: CHALLENGES AND OPPORTUNITIES FOR IMPROVING LIVES, SOCIETY AND SUSTAINABLE DEVELOPMENT

Thursday, 3rd November
Room 12A (IUCE)


TRACK 4. NEW PUBLISHING AND SCIENTIFIC COMMUNICATION WAYS: ELECTRONIC EDITION, DIGITAL EDUCATIONAL RESOURCES

Thursday, 3rd November
Room 12A (IUCE)


11.30 – 11.45 Electronic Scientific Journals at the University of Salamanca: perception and use. Javier Merchán Sánchez-Jara, Sofia Pelosi, Almudena Mangas Vega, Taisa Dantas, Raquel Goméz Díaz, Araceli García Rodríguez and José Antonio Cordón García
11.45 – 12.00 Ebooks and Electronic Devices at the University of Salamanca: perception and use. Taisa Rodrigues Dantas, Almudena Mangas Vega, Javier Merchán Sánchez-Jara, Sofia Pelosi, Raquel Goméz Díaz, Araceli García Rodríguez and José Antonio Cordón García
12.00 – 12.15 Digital habits and competences of health professionals the Health Area East of Málaga–Axarquía (Málaga). Antonia María Fernandez-Luque, Gómez Díaz Raquel and Jose Antonio Cordón-García
12.15 – 12.30 Evaluation of educational websites to support Primary and High School in Portugal. Ana M. Santos
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<thead>
<tr>
<th>Time</th>
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<tbody>
<tr>
<td>12.45 – 13.00</td>
<td>Digital Curation and Costs: Approaches and Perceptions. Luís Corujo, Carlos Guardado Da Silva and Jorge Revez</td>
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<tr>
<td>13.00 – 13.15</td>
<td>Fundamental concepts in digital preservation. Laerte Silva Júnior and Maria Manuel Borges</td>
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**TRACK 5. LEARNING ANALYTICS: NEEDS AND OPPORTUNITIES**

Thursday, 3rd November
Room 17A (IUCE)

**SESSION 1**

<table>
<thead>
<tr>
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<tbody>
<tr>
<td>9.00 – 9.15</td>
<td>Learning analytics: Needs and opportunities. Ángel Hernández-Garcia and Miguel Ángel Conde.</td>
</tr>
<tr>
<td>9.45 – 10.00</td>
<td>A Learning Analytics tool with hybrid graphical and textual interpretation generation. Daniel Amo, Marc Alier Forment, María José Casany Guerrero and Enric Mayol</td>
</tr>
<tr>
<td>10.00 -10.15</td>
<td>Relationship between learning indicators in the development and result of the Building Engineering Degree Final Project. Enric Pería, David Fonseca and Nuria Martí</td>
</tr>
<tr>
<td>10.15 – 10.30</td>
<td>Performance measures for peer assessment. Rafael Molina-Carmona, Rosana Satorre-Cuerda, Patricia Compañ-Rosique and Faraón Llorens-Largo</td>
</tr>
<tr>
<td>10.45 – 11.00</td>
<td>Approximation of Statistical Implicative Analysis to Learning Analytics: A systematic review. Rubén Pazmiño, Miguel Ángel Conde and Francisco José García Peñalvo</td>
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<thead>
<tr>
<th>Time</th>
<th>Coffee break</th>
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<td>11.00 – 11.30</td>
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**SESSION 2**

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<th>Time</th>
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<tbody>
<tr>
<td>11.30 – 11.45</td>
<td>RubricVis: Enriching Rubric-Based Formative Assessment with Visual Learning Analytics. Mikel Villamañe, Mikel Larrañaga, Ainhoa Alvarez and Begoña Ferrero</td>
</tr>
</tbody>
</table>
11.45 – 12.00 Using Learning Analytics to assess project management skills on engineering degree courses. Iratxe Menchaca, Mariluz Guenaga and Josu Solabarrieta

12.00 – 12.15 Learning analytics to identify the influence of leadership on the academic performance of work teams. Fidalgo Ángel, María Luisa Sein-Echaluce, Javier Esteban Escaño, Francisco José García Peñalvo and Miguel Ángel Conde.

WORKSHOP: INTERNATIONAL LEARNING ANALYTICS NETWORKS AND PROJECTS

Workshop Scheduled for: 12.15 – 14.00 H
Thursday, 3rd November
Room 13A (IUCE)

WORKSHOP: SHARING EXPERIENCES IN THEMATIC RESEARCH NETWORKS OF EXCELLENCE

Workshop Scheduled for: 16.00 – 17.30 H
Thursday, 3rd November
Room 13A (IUCE)

TRACK 15. COMMUNICATION, EDUCATION AND HEALTH PROMOTION

Thursday, 3rd November
Room 13A (IUCE)

Presentation: Communication, education and health promotion. Juan José Igartúa.

18.00 – 18.20 The concept of health and the evaluation of Internet as a health information search tool of the youth of the Basque Country and Navarra. Milagros Ronco, Lázaro Echegaray and Carmen Peñafiel.


18.40 – 19.00 Narrative Persuasion and Gender Violence. Juan José Igartua and Daniela Fiuza.

19.00 – 19.20 Development and Validation of a Digital Literacy Scale for Teenagers. Isabel Rodríguez-De-Dios, Juan-José Igartua and Alejandro González-Vázquez.

Presentation: Evaluation in education and guidance. María José Rodríguez Conde, Susana Olmos Migueláñez and Susana Nieto Isidro


16.20 – 16.30 A proposal to measure the quality of virtual teaching. Ana María Fernández-Pampillón Cesteros and Antonio Sarasá Cabezuelo.


16.50 – 17.00 Analysis of the use and design of rubrics in competency assessment in engineering degrees. Leticia Concepción Velasco-Martínez and Juan Carlos Tójar Hurtado.

17.00 – 17.10 Integrating Generic Competences in an Engineering Degree Curriculum: the Students’ Point of View. Carmen García Berdonés, Francisco David Trujillo Aguilera and Juan Carlos Tojar Hurtado.

17.10 – 17.20 Monitoring and Information on Skills Development at University: A Multiple-case Study. María Soledad Ibarra-Sáiz, Gregorio Rodríguez-Gómez and Susana Olmos Migueláñez.

17.20 – 17.30 Assessing the development of student generic competences in education-related university degrees. Susana Olmos-Migueláñez, Adriana Gamazo, Eva María Torrecilla-Sánchez and José Carlos Sánchez-Prieto.

17.30 – 18.00 Coffee break

18.00 – 18.10 Educational coaching as a methodological strategy for the career development in 4th grade of Secondary Education. Orienta-te: a multidisciplinary approach. Joaquín-Lorenzo Burguera, María-Del-Henar Pérez-Herrero and Marta Virgós-Sánchez.

18.10 – 18.20 Assessment of Pre-Primary Education Pre-Service Teachers Dispositional Resistance to Change Using RCS. José Carlos Sánchez Prieto, Susana Olmos-Migueláñez and Francisco José García-Peña.
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<tr>
<td>18.20 – 18.30</td>
<td>Training for the employment of women heads of lone parent families: Adaptation of the European program Restart 3 to the Spanish situation. Susana Menéndez Amado, Raquel Muñoz Casado and Fernando Lezcano Barbero</td>
</tr>
<tr>
<td>18.30 – 18.40</td>
<td>Assessment, training and innovation in basic competencies in compulsory education: progress of a research team in Spain. María José Rodríguez Conde, M.Esperanza Herrera-García, Susana Olmos-Migueláñez, Fernando Martínez-Abad, Eva María Torrecilla, Juan Pablo Hernández-Ramos, Patricia Torrijos, Antonio M. Seoane and Adriana Gamazo</td>
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<tr>
<td>18.40 – 20.00</td>
<td>Discussion</td>
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**TRACK 16. DOCTORAL CONSORTIUM**

Thursday, 3rd November  
Room 16A (IUCE)

**Information Society and Education**

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<th>Time</th>
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<tbody>
<tr>
<td>9.40 – 9.50</td>
<td>Open access to educational resources in energy and sustainability: Usability evaluation prototype for repositories. Laura Icela González Pérez, María Soledad Ramírez-Montoya and Francisco J. García-Peñalvo.</td>
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**Interaction and eLearning**

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<th>Session</th>
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<tr>
<td>9.50 – 10.00</td>
<td>Designing a model to estimate the impact and cost effectiveness of online learning platforms. Doris Meza-Bolaños, Patricia Compañ-Rosique and Rosana Satorre-Cuerda.</td>
</tr>
<tr>
<td>10.00 – 10.10</td>
<td>Personal social network as a facilitating tool for collaborative knowledge construction. Dunia Inés Jara-Roa, Maria Soledad Ramírez-Montoya and Marcos Cabezas González.</td>
</tr>
<tr>
<td>10.10 – 10.20</td>
<td>Websites of learning support in Primary and High School in Portugal: a performance and usability study. Jose A. Cordón García, Gómez Díaz Raquel and Ana M. Santos.</td>
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**Computers in Education**

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<tbody>
<tr>
<td>10.20 – 10.30</td>
<td>Challenge-based gamification as a teaching’ Open Educational Innovation strategy in the energy sustainability area. Elvira G Rincón Flores, María Soledad Ramírez and Juanjo Mena.</td>
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<tr>
<td>10.40 – 10.50</td>
<td>Open innovation laboratories for social modeling sustainable society sensitive to social needs. José Antonio Yañez-Figueroa, María Soledad Ramírez-Montoya and Francisco J. García-Peñalvo.</td>
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<tr>
<td>10.50 – 11.00</td>
<td>Personalized contents based in cognitive level of student’s computational thinking for learning basic competencies of programming using an environment b-learning. Arturo Rojas and Francisco J. García-Peñalvo.</td>
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<tr>
<td>11.00 – 11.30</td>
<td>Coffee break</td>
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<tr>
<td>11.40 – 11.50</td>
<td>A technology-based approach to revitalise indigenous languages and cultures in online environments. Evaristo Ovide and Francisco José García Peñalvo.</td>
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<tr>
<td><strong>Education Assessment and Orientation</strong></td>
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<tr>
<td>11.50 – 12.00</td>
<td>Evaluation of the integration of a web application for foreign language learning in vulnerable rural schools in Colombia. Geovanny Alexander Abaunza and María José Rodríguez Conde.</td>
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<tr>
<td>12.00 – 12.10</td>
<td>Multilevel models for the assessment of school effectiveness using PISA scores. Adriana Gamazo, Susana Olmos-Migueláñez and Fernando Martínez-Abad.</td>
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<tr>
<td>12.10 – 12.20</td>
<td>Mediation practices for learning in MOOC courses to promote open innovation. Gioconda Riofrío-Calderón, María-Soledad Ramírez-Montoya and María-José Rodríguez-Conde.</td>
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<tr>
<td>12.20 – 12.30</td>
<td>Model for Quality Evaluation and Improvement of Higher Distance Education based on Information Technology. Rafael Molina-Carmona and Gina Susana Mejía Madrid.</td>
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<td>12.30 – 12.40</td>
<td>The construction of teaching practical knowledge in teachers training within the practicum. Raquel Gómez, Juanjo Mena and Mª Luisa García.</td>
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<tr>
<td>12.40 – 12.50</td>
<td>Open innovation and social construction through MOOCs of energy sustainability: contributions from theoretical foundation. Ruth-Elizabeth Minga-Vallejo, María-Soledad Ramírez-Montoya and María-José Rodríguez-Conde.</td>
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<tr>
<td><strong>Communication Media and Education</strong></td>
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<td>12.50 – 13.00</td>
<td>Risks of interactive communication in teenagers. Digital literacy diagnosis and intervention. Isabel Rodríguez-De-Dios and Juan-José Igartua.</td>
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<td>13.00 – 13.10</td>
<td>The Narrative and Media Literacy as influential factors in the efficacy of programs for the prevention of teenage pregnancy. Catalina González-Cabrera and Juan José Igartua.</td>
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<tr>
<td>13.10 – 13.20</td>
<td>Impact of the narrative formats on the behavior improvement in relation to the socially stigmatized groups: the effect of empathy and similarity in terms of social identity. Diego Cachón and Juan José Igartua.</td>
</tr>
</tbody>
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Medicine and Education

13.20 – 13.30 Artificial Neural Networks applications in Computer Aided Diagnosis. System design and use as an educational tool. Jorge Hernández Rodríguez, María José Rodríguez Conde and Francisco Javier Cabrero Fraile.

Engineering and Education


13.50 – 14.00 Learning ecosystems for knowledge management in educational institutions. Alicia García Holgado and Francisco José García Peñalvo.

Thursday, 3rd November
Room 12A (IUCE)

16.00 – 17.30 Discussion Panel

17.30 – 18.00 Coffee Break

18.00 – 19.30 Discussion Panel
FRIDAY, 4th NOVEMBER 2016

9.00 – 13.30  Registration. Help Desk.  
Location: GRIAL Office (IUCE)

10.45 – 11.15  Coffee break  
Location: IUCE


13.30 – 14.00  Closing Ceremony  
Location: Room 16A (IUCE)

TRACK 8. LATEST TECHNOLOGY TRENDS IN HEALTH SCIENCES EDUCATION

Friday, 4th November  
Room 12A (IUCE)

Presentation: Latest technology trends in health sciences education. Juan Antonio Juanes and Pablo Ruisoto

10.05 – 10.15  Exploring Mobile Learning Apps for medical students and health care professionals. Laura Briz, Juan Antonio Juanes-Méndez and Francisco José García-Peñalvo


10.35 – 10.45  Virtual Reality Medical Training System. Santiago Gonzalez Izard and Juan Antonio Juanes Mendez

10.45 – 11.15  Coffee break

11.15 – 11.25  Creating interactive 3D models of the skull base for learning anatomy. Roberto-Domingo Tabernero-Rico, Juan A. Juanes and Alberto Prats-Galino

11.25 – 11.35  3D Reconstructions of Brain Ventricles Using Anaglyph Images. Miguel Gonzalo Dominguez, Maria Cristina Hernández Rodriguez, Pablo Ruisoto, Juan Antonio Juanes, Jose Martin Marin Balbin and Alberto Prats


Use of bioimpedanciometer as predictor of mountain marathon performance. Vicente Javier Clemente-Suárez and Pantelis Theodoros Nikolaidis

Use of biotechnology devices to analyse fatigue process in swimming training. Vicente Javier Clemente-Suárez and Juan Jaime Arroyo Toledo

Computer Aided Detection and Diagnosis in medical imaging: a review of clinical and educational applications. Jorge Hernández Rodríguez, Francisco Javier Cabrero Fraile, María José Rodríguez Conde and Pablo Luis Gómez Llorente

Heuristic evaluation of SocialNet, the private social network for psychiatric patients and their relatives. José Miguel Toribio-Guzmán, Alicia García-Holgado, Felipe Soto Pérez, Francisco José García Peñalvo and Manuel Franco Martín

Processesing and additive manufacturing of bones for the teaching of human anatomy. María Teresa Ugidos Lozano, Juan Antonio Juanes Mendez, Carlos Molino Día, Sadia Manzoor, Gonzalo Ferrer Ugidos and Fernando Blaya Haro

**TRACK 9. A WORLD OF DIGITAL COMPETENCES: MOBILE APPS, E-CITIZENSHIP AND COMPUTATIONAL SYSTEMS AS LEARNING TOOLS**

Friday, 4th November
Room 16A (IUCE)


**9.50 – 10.00** A Collaborative Mobile Learning System to Facilitate Foreign Language Learning and Assessment Processes. Manuel Palomo-Duarte, Anke Berns, José-Luis Isla-Montes, Juan Manuel Dodero and Owayss Kabtoul.

**10.00 – 10.10** Developing a MOOC for the learning of mobile app design. The AppSkil Project. Jose Manuel Pastor Benlloch, Laura Uxera Catano and Jose Luis Soler Domínguez.

Motivations to read and learn in videogame lore: the case of League of Legends. **Marçal Mora Cantallops and Miguel-Angel Sicilia.**

**10.45 – 11.15** Coffee break

Augmented Reality and Pedestrian Navigation through of mobile implementation on heritage content. **Jorge Joo, José Rafael Garcia-Bermejo and Fernando Martínez-Abad.**

Augmented reality sandbox: a platform for educative experiences. **Sergio Álvarez Sánchez, Laura Delgado Martín, Miguel Angel Gimeno-González, Teresa Martín-Garcia, Fernando Almaraz-Menéndez and Camilo Ruiz.**

The construction of identity of young people in an interconnected society. **Inés Ruiz Requies, Eduardo Fernandez Rodríguez, Jose Miguel Gutiérrez Pequeño and Rocío Anguita Martínez.**

Design and validation of an instrument to evaluate educational apps and creation of a digital repository. **Amaya Jareño, Erla Morales-Morgado and Fernando Martínez.**

Digital competence in use: From DigComp 1 to DigComp 2. **Ana Pérez- Escoda and Nieves González Fernández-Villavicencio.**

Media Literacy for an Inclusive Knowledge Society: International Indicators. **Ana Pérez, Ana Castro-Zubizarreta, Rosa García-Ruiz and Ignacio Aguaded.**

Nurturing digital citizenship: Teachers and Students Facing Digital Competences. **Ana Pérez-Escoda, Ana Iglesias-Rodríguez and Mª Cruz Sánchez-Gómez.**

Mobile devices as learning tools: present and prospective use by future professionals of education. **Blanca García-Riaza and Ana Iglesias-Rodríguez.**

Methodological triangulation as a research strategy in educational innovation processes: case study of the b-learning methology in the university context. **Mª Cruz Sánchez-Gómez, Ana Iglesias-Rodríguez and Antonio Víctor Martín-García.**

**12.45 – 13.30** Discussion

**TRACK 14. 7TH INTERNATIONAL WORKSHOP ON SOFTWARE ENGINEERING FOR E-LEARNING (ISELEAR’16)**

Friday, 4th November
Room 17A (IUCE)

Presentation: 7th International Workshop On Software Engineering For E-Learning (ISELEAR’16) **Miguel Angel Conde, Antonio Sarasa and José Luis Sierra.**

Applying CIAM Mobile Methodology: A Case Study for Smartphones. **Yoel Arroyo, Christian Navarro, Miguel Redondo and Ana Isabel Molina Díaz.**

Design of an annotation tool for educational resources. **Felix Buendia.**
11.55 – 12.15  HCore: A game engine independent OO architecture for fast development of haptic simulators for teaching/Learning, Javier de Pedro, Gonzalo Esteban, Miguel A. Conde and Camino Fernández.


12.35 – 12.55  MDD Inclusion of Navigational, Structural and RBAC Elements for JSF and ASP.NET MVC Frameworks in UML Models. Humberto Cortes and Antonio Navarro


13.15 – 13.35  A Development Environment to Customize Assessment through Students Interaction with Multimodal Applications. Antonio Balderas, Iván Ruiz-Rube, José Miguel Mota-Macias, Juan Manuel Dodero and Manuel Palomo-Duarte
Eat...

1. Cafetería Facultad de Educación
   Paseo de Canalejas, 169
   37008 Salamanca

2. Café Bar El Trastero
   Rosario, 30
   37001 Salamanca
   Phone: +34 923 26 90 27

3. Bar restaurante VinoDiario
   Plaza Basílios, 1
   37001 Salamanca
   Phone: +34 923 61 49 25

4. El Alquimista
   Plaza de San Cristóbal, 6
   37001 Salamanca
   Phone: +34 923 21 54 93
   elalquimistarestaurante.es

5. Con Pan Y Vino
   Calle Jardines, 12
   37001 Salamanca

6. Tapas 2.0 Gastrotasca
   Calle Felipe Espino, 10
   37002 Salamanca
   Phone: +34 679 79 10 57

7. Hotel San Polo
   Arroyo de Santo Domingo, 2
   37008 Salamanca
   Phone: +34 923 21 11 77

8. Restaurante Mencía
   Calle Grillo, 11
   37001 Salamanca
   Phone: +34 923 21 37 18

9. Bar La Viga
   Calle del Consuelo, 16
   37001 Salamanca
   Phone: +34 923 21 09 04

10. Hits Café
    Calle Banzo, 6
    37001 Salamanca
    Phone: +34 923 61 61 79

11. 269 Gastro Vegan
    Calle Condes de Crespo Rascón, 11
    37002 Salamanca
    Phone: +34 923 01 12 69
Sleep…

1. Hotel Palacio San Esteban ****
   Arroyo de Santo Domingo, 3
   37008, Salamanca
   Phone: +34 923 26 22 96

2. Hotel Alameda Palace *****
   Paseo de la Estación, s/n
   37004, Salamanca
   Phone: +34 923 28 26 26

3. Eurostars Las Claras ****
   Marquesa de Almarza s/n
   37001, Salamanca
   Phone: +34 923 12 85 00

4. NH Salamanca Palacio Castellanos ****
   San Pablo, 58-64
   37008, Salamanca
   Phone: +34 923 26 18 18
   Reservations:  902 091 857

5. Hotel EXE Salamanca ****
   Calle Álava, 8
   37001, Salamanca
   Phone: +34 923 26 11 11

6. Estrella Albatros ****
   Calle Grillo, 18
   37001, Salamanca.
   Phone: +34 923 26 60 33

7. Hotel San Polo ***
   Arroyo de Santo Domingo, 2
   37008, Salamanca
   Phone: +34 923 21 11 77

8. Hotel Ibis Salamanca **
   Calle de la Marina, 15
   37001, Salamanca
   Phone: +34 923 27 23 80
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37008 Salamanca

Locations...