

# 13th International Conference on Remote Engineering and Virtual Instrumentation

**Date: Wednesday, 24/Feb/2016**

8:30am - 9:00am	<b>Registration opens</b> UNED facilities location and how to get there <a href="http://www.rev-conference.org/REV2016/documents/Madrid_practical_infos.pdf">http://www.rev-conference.org/REV2016/documents/Madrid_practical_infos.pdf</a>			
9:00am - 10:30am	<b>WS-1A: Workshop - Lab sessions in VISIR laboratories</b> Location: <b>Salon de Grados</b> Chair: <b>Gustavo R. Alves</b> , Polytechnic of Porto - School of Engineering  <b>Lab sessions in VISIR laboratories</b> <b>Gustavsson, Ingvar; Nilsson, Kristian; Zackrisson, Johan; Claesson, Lena; Alves, Gustavo R.; Fidalgo, André V.; García Zubía, Javier; Hernández Jayo, Unai; Castro...</b>	<b>WS-1B: Workshop - The TATU Lab &amp; Smart Education</b> Location: <b>Ricardo Marin</b> Chair: <b>Reinhard Langmann</b> , Duesseldorf University of Applied Sciences  <b>The TATU Lab &amp; Smart Education</b> <b>Langmann, Reinhard; Makarova, Yuliya; Rojas-Peña, Leandro; Galkin, Pavlo; Klyuchnik, Igor; Voropaeva, Viktoriya; Pozepaev, Valerii; Zinyuk, Lyubov; Skrypyuk, Rostislav; S...</b>	<b>WS-1C: Workshop - Simple modular system „iSES Remote Lab SDK“ for creation of remote experiments accessible from PC, tablets and mobile phones</b> Location: <b>Florentino Sanz</b> Chair: <b>Frantisek Lustig</b> , Charles University Prague  <b>Simple modular system „iSES Remote Lab SDK“ for creation of remote experiments accessible from PC, tablets and mobile phones</b> <b>Lustig, Frantisek</b>	
10:00am - 12:00pm	<b>IAOE EC meeting: IAOE Executive Committee meeting</b> Location: <b>Andres Bello room</b>			
10:30am - 11:00am	<b>Coffee Break</b>			
11:00am - 12:30pm	<b>WS-2A: Workshop - Lab sessions in VISIR laboratories</b> Location: <b>Salon de Grados</b> Chair: <b>Gustavo R. Alves</b> , Polytechnic of Porto - School of Engineering	<b>WS-2B: Workshop - The TATU Lab &amp; Smart Education</b> Location: <b>Ricardo Marin</b> Chair: <b>Reinhard Langmann</b> , Duesseldorf University of Applied Sciences	<b>WS-2C: Workshop - Simple modular system „iSES Remote Lab SDK“ for creation of remote experiments accessible from PC, tablets and mobile phones</b> Location: <b>Florentino Sanz</b> Chair: <b>Frantisek Lustig</b> , Charles University Prague	
12:30pm - 2:00pm	<b>PL1: Opening and Keynote Session - IAoE message</b> Location: <b>Salon de Actos</b> Chair: <b>Manuel Castro</b> , UNED Chair: <b>Ether Souto</b> , UNED  <b>Remote Labs: 360 Degrees View</b> <b>Garcia-Zubia, Javier</b>			
2:00pm - 3:00pm	<b>Lunch Break</b>			
3:00pm - 4:30pm	<b>1A: PhD Forum 1 (internal session)</b> Location: <b>Salon de Actos</b> Chair: <b>Oscar M Bonastre</b> , Miguel Hernandez University  <b>Online Lab Infrastructure as a Service: A new Paradigm to Simplify the Development and Deployment of Online Labs</b> <b>Zutin, Danilo; Auer, Michael; Orduña, Pablo; Kreiter, Christian</b>  <b>Competency-based learning</b>	<b>1B: Full Papers</b> Location: <b>Salon de Grados</b> Chair: <b>Sergio Martin</b> , Spanish University for Distance Education (UNED)  <b>Models of Remote Laboratories and Collaborative Roles for Learning Environments</b> <b>Zapata Rivera, Luis Felipe; Larrondo-Petrie, Maria M.</b>	<b>1C: Full Papers</b> Location: <b>Ricardo Marin</b> Chair: <b>Doru Ursutiu</b> , "University ""Transilvania"" of Brasov, Romania"  <b>Variable Interactivity with Dynamic Control Strategies in Remote Laboratory Experiments</b> <b>Maiti, Ananda; Kist, Alexander A.; Maxwell,</b>	<b>1D: Full Papers</b> Location: <b>Florentino Sanz</b> Chair: <b>Karsten Henke</b> , Ilmenau University of Technology  <b>Additional Specialty of a Technical Teacher for Engineers Acquired in Continuing Education at Tallinn University of</b>

	<p>management systems Practices using remote laboratories to improve the use of the subjects and get required competences</p> <p><u>Menacho, Antonio</u>; Gil,...</p>	<p><b>The Evaluation of Remote Laboratories - Development and application of a holistic model for the evaluation of online remote laboratories in manufacturing technology education</b></p> <p><u>May, Dominik</u>; Terkowsky, Claudius; Ortelt, Tobias R.; Tekkaya, A. Erman</p> <hr/> <p><b>Remote Laboratories for Electronics and New Steps in Learning Process Integration</b></p> <p><u>Garcia-Loro, Felix</u>; Macho, Alejandro; Sancristobal, Elio; Rodriguez Artacho, Miguel; Diaz, Gabriel; Castro, Manuel</p> <hr/> <p><b>REMLABNET III – federated remote laboratory management system for university and secondary schools</b></p> <p>Schauer, Franz; Krbeček, Michal; Beño, Pavel; Gerža, Michal; Pálka, Lukáš; Špiláková, Petra; <u>Tkac, Lukas</u></p>	<p><b>Andrew D.</b></p> <hr/> <p><b>Classifying online laboratories: reality, simulation, user perception and potential overlaps</b></p> <p><u>Orduña, Pablo</u>; Garcia-Zubia, Javier; Dziabenko, Olga; Rodriguez-Gil, Luis; Angulo, Ignacio; Hernández, Unai; Azcuenaga, Esteban</p> <hr/> <p><b>Automated Experiments on EjsS Laboratories</b></p> <p><u>Galan, Daniel</u>; Heradio, Ruben; de la Torre, Luis; Dormido, Sebastian; Esquembre, Francisco</p> <hr/> <p><b>A Wireless Robotic Educational Platform approach</b></p> <p><u>Plaza Merino, Pedro</u>; Sancristobal Ruiz, Elio; Carro Fernandez, German; Castro Gil, Manuel</p> <hr/> <p><b>Mobile Devices and Applications Enhancing Engineering Education in ESP</b></p> <p><u>Simonova, Ivana</u>; Poulouva, Petra</p>	<p><b>Technology</b></p> <p><u>Rüttmann, Tia</u></p> <hr/> <p><b>Overview of the first year of the L3-EOLES training</b></p> <p><u>Andrieu, Guillaume</u>; Farah, Said; Fredon, Thomas; Benachenhou, Abdelhalim; Ankrim, Mohamed; Bouchlaghem, Karim; Aknin, Noura; Barataud, Denis; Gericota, Manuel; De...</p> <hr/> <p><b>Students' Perception of Implementing a Smart Learning System (SLS) based on Moodle at Fujairah College</b></p> <p><u>AlHamad, Ahmad Qasim</u></p> <hr/> <p><b>Remote control and instrumentation of Android devices</b></p> <p><u>Díaz Zayas, Almudena</u>; Recio Pérez, Álvaro Manuel; García-Pérez, Cesar Augusto; Merino, Pedro</p>
<p>4:30pm - 5:00pm</p>	<p>Coffee Break</p>			
<p>5:00pm - 6:30pm</p>	<p><b>2A: PhD Forum 2 (open session)</b></p> <p>Location: <u>Salon de Actos</u> Chair: <u>Oscar M Bonastre</u>, Miguel Hernandez University</p> <hr/> <p><b>Online Lab Infrastructure as a Service: A new Paradigm to Simplify the Development and Deployment of Online Labs</b></p> <p><u>Zutin, Danilo</u>; Auer, Michael; Orduña, Pablo; Kreiter, Christian</p> <hr/> <p><b>Competency-based learning management systems Practices using remote laboratories to improve the use of the subjects and get required competences</b></p> <p><u>Menacho, Antonio</u>; Gil, Rosario; Castro, Manuel; Pérez Molina, Clara María</p> <hr/> <p><b>An architecture for new</b></p>	<p><b>2B: Full Papers</b></p> <p>Location: <u>Salon de Grados</u> Chair: <u>Alexander A. Kist</u>, University of Southern Queensland</p> <hr/> <p><b>MOOLs for MOOCs, a first edX scalable implementation</b></p> <p>Salzmann, Christophe; Piquet, Yves; <u>Gillet, Denis</u></p> <hr/> <p><b>Evolution of teaching tools and the learning process: from traditional teaching to edX courses</b></p> <p><u>Rodríguez-Sevillano, Ángel Antonio</u>; Barcala-Montejano, Miguel Ángel; Tovar-Caro, Edmundo; López-Gallego, Pablo</p> <hr/> <p><b>Key Aspects of Integrating Augmented Reality Tools into Peer-to-Peer Remote Laboratory User Interfaces</b></p> <p>Maiti, Ananda; <u>Kist,</u></p>	<p><b>2C: Short Papers</b></p> <p>Location: <u>Ricardo Marin</u> Chair: <u>Katarina Zakova</u>, SUT, Slovakia</p> <hr/> <p><b>A customizable platform for remotely teaching &amp; learning LVDTs The relevance of using the IEEE1451.0 Std. to facilitate its design and access</b></p> <p><u>Costa, Ricardo Jorge</u>; Fernandes, Samuel; Jorge, Joni; Alves, Gustavo R.</p> <hr/> <p><b>An FPGA-based Remote Laboratory: Implementing Semi-Automatic Experiments in the Hybrid Cloud</b></p> <p><u>Toyoda, Yuichi</u>; Koike, Nobuhiko; Li, Yamin</p> <hr/> <p><b>Remote Software Laboratories: Facilitating access to Engineering Softwares</b></p>	

	<p><b>models of Online Laboratories: educative multi-user gamified hybrid laboratories based on Virtual Environments</b></p> <p><u>Rodriguez-Gil, Luis;</u> García-Zubia, Javier; Orduna, Pablo</p> <hr/> <p><b>A new Model for a Remote Connection with Hardware Devices using Javascript</b></p> <p><u>Sáenz, Jacobo;</u> Esquembre, Francisco; García, Felix J.; de la Torre, Luis; Dormido, Sebastián</p>	<p><u>Alexander; Smith, Mark</u></p> <hr/> <p><b>A PROPOSED FRAMEWORK FOR AN ADAPTIVE LEARNING OF MASSIVE OPEN ONLINE COURSES(MOOCs)</b></p> <p><u>Alzaghoul, Ahmad</u></p> <hr/> <p><b>Overview of architectures with Arduino boards as building blocks for data acquisition and control systems</b></p> <p><u>Cvjetkovic, Vladimir</u> <u>Miodrag; Matijevic, Milan</u></p>	<p><b>Online</b></p> <p><u>Ram, Kalyan B;</u> Kumar, S Arun; Sarma, Mallikarjuna B; Bhaskar, Mahesh; Kulkarni, Chetan S</p> <hr/> <p><b>Mobile Application for Remote Control of Thermo-Optical Plant</b></p> <p>Stefka, Pavol; <u>Zakova,</u> <u>Katarina</u></p>	
<p>7:30pm - 9:30pm</p>	<p><b>Welcome Reception at City Hall</b></p> <p>Plaza Mayor (Major Square) location and how to get there</p> <p><a href="http://www.rev-conference.org/REV2016/documents/Madrid_practical_infos.pdf">http://www.rev-conference.org/REV2016/documents/Madrid_practical_infos.pdf</a></p>			

**Date: Thursday, 25/Feb/2016**

8:30am - 9:00am	Registration opens
9:00am - 10:30am	<p><b>DEMO 1: Interactive Demonstrations</b> Location: <a href="#">Ricardo Marin and Florentino Sanz</a> Chair: <a href="#">Maria Teresa Restivo</a>, Faculty of Engineering of University of Porto Chair: <a href="#">Alberto Cardoso</a>, University of Coimbra</p> <p><b>The Game and Activity Environment of RALfie</b> <a href="#">Kist, Alexander A.</a>; Maiti, Ananda; Maxwell, Andrew D.; Orwin, Lindy; Albion, Peter; Ting, Wu; Burtenshaw, Ryan</p> <p><b>GOLDi – Grid of Online Lab Devices Ilmenau</b> <a href="#">Henke, Karsten</a>; Vietzke, Tobias; Hutschenreuter, René; Wuttke, Heinz-Dietrich</p> <p><b>Labicom Labs: Remote and Virtual Solid-State Laser Lab, RF&amp;Microwave Amplifier Remote and Virtual Lab (Interactive demonstration of Labicom labs in winter 2016)</b> <a href="#">Titov, Igor</a>; Glotov, Alexander; Yelizarov, Andrey; Petrov, Victor</p> <p><b>Simple modular system „iSES Remote Lab SDK“ for creation of remote experiments accessible from PC, tablets and mobile phones</b> <a href="#">Lustig, Frantisek</a></p> <p><b>Demonstrating Active Noise Control and Acoustics experiments using real test setup via the Internet</b> <a href="#">Khan, Imran</a>; Claesson, Lena; Håkansson, Lars</p> <p><b>Virtual labs: a new tool in the Education</b> <a href="#">Fernández-Avilés Pedraza, Daniel</a>; Dotor Jara, Diego; Contreras Masedo, Daniel; Salazar Calderón, Jose Carlos</p> <p><b>A Raspberry PI Cluster and Geiger Counter Supporting Random Number Acquisition in the CS Operating Systems Class</b> <a href="#">Wolfer, James</a>; Keeler, William J.</p> <p><b>Using Augmented Reality Smart Glasses to Design Games for Cognitive Training</b> Chang, Yao-Jen; Liu, Hung-Huan; Kang, Ya-Shu; Chang, Yao-Sheng; <a href="#">Kao, Chia Chun</a></p> <p><b>ViPLab - an Online Programming Laboratory - Demo session</b> <a href="#">Boehringer, David</a>; Richter, Thomas</p> <p><b>Easy Creation and Deployment of Javascript Remote Labs with EjsS and Moodle</b> <a href="#">de la Torre, Luis</a>; Andrade, Tiago Faustino; Restivo, Maria Teresa; Sanchez, Jose</p>
9:00am - 10:30am	<p><b>IEEE EdSoc Standards Meeting</b> Location: <a href="#">Andres Bello room</a> Chair: <a href="#">Hamadou Saliyah-Hassane</a>, TELUQ - Université du QUÉBEC</p>
10:30am - 11:00am	Coffee Break
11:00am - 12:30pm	<p><b>DEMO 2: Interactive Demonstrations</b> Location: <a href="#">Ricardo Marin and Florentino Sanz</a> Chair: <a href="#">Alberto Cardoso</a>, University of Coimbra Chair: <a href="#">Maria Teresa Restivo</a>, Faculty of Engineering of University of Porto</p> <p><b>Live Demo of two Experiments using a Remote Lab for Forming Technology</b> <a href="#">Ortelt, Tobias R.</a>; Meya, Rickmer; Selvaggio, Alessandro; Chatti, Sami; Tekkaya, A. Erman</p> <p><b>Demonstration of a remote lab based on a vibrating beam apparatus</b> <a href="#">Cardoso, Alberto</a>; Sousa, Vitor; Restivo, Maria Teresa; Gil, Paulo</p> <p><b>Use of Virtual and Pocket Labs in Education</b> <a href="#">Klinger, Thomas</a>; Madritsch, Christian</p> <p><b>An Inclined Plane Remote Lab</b></p>

**Cardoso de Lima, João Paulo; Schardosim Simão, José Pedro; Bento da Silva, Juarez; Nardi da Silva, Isabela; Cadorin Nicolete, Priscila; da Mota Alves, João Bosco**

### **A Tool for Grip Evaluation and Learning**

**Carneiro, Fernando; Santos, Bruno; Abreu, Paulo; Restivo, Maria Teresa**

### **Displacement measurements versus time using a remote Inclined Plane laboratory**

**Claesson, Lena; Håkansson, Lars**

### **Remotely Analyze Spine Angle in Rehabilitation After Spine Surgery using Acceleration and Gyro Sensors**

**Peulic, Aleksandar; Mijailovic, Nikola; Milankovic, Ivan; Jovanovic, Zeljko**

### **Remote System for Measuring Geometric Tolerances: Roundness**

**Bajči, Brajan; Dudić, Slobodan; Šulc, Jovan; Milenković, Ivana; Šešlija, Dragan; Reljić, Vule**

### **Augmented Reality for Cognitive and Social Skills Improvement in Children with ASD**

**Cunha, Pedro; Brandão, Jorge; Vasconcelos, José; Carvalho, Vitor; Soares, Filomena O.**

### **Virtual environment for instrumented glove**

**Tavares, Rafael; Sousa, Pedro; Abreu, Paulo; Restivo, Maria Teresa**

<p>11:00am - 12:30pm</p>	<p><b>IEEE EdSoc Standards Meeting</b> Location: <a href="#">Andres Bello room</a> Chair: <a href="#">Hamadou Saliyah-Hassane</a>, TELUQ - Université du QUÉBEC</p>		
<p>12:30pm - 2:00pm</p>	<p><b>3A: Special Session: Reusable solutions for Remote Laboratories</b> Location: <a href="#">Salon de Actos</a> Chair: <a href="#">Pablo Orduña</a>, DeustoTech, University of Deusto Chair: <a href="#">Danilo Zutin</a>, CUAS</p> <p><b>Experiment Lab Server Architecture: a Web Services Approach to Supporting Interactive LabVIEW-based Remote Experiments under MIT's iLab Shared Architecture</b> <a href="#">Mendes, Luciano A.</a>; <a href="#">Li, Letitia</a>; <a href="#">Bailey, Philip H.</a>; <a href="#">DeLong, Kimberley R.</a>; <a href="#">del Alamo, Jesus A.</a></p> <p><b>The Mach-Zehnder Interferometer - A Smart Remote Experiment Based on a Software Template</b> <a href="#">Halimi, Wissam</a>; <a href="#">Salzmann, Christophe</a>; <a href="#">Gillet, Denis</a></p> <p><b>Reusable Solutions for Embedded Systems' Design</b> <a href="#">Parkhomenko, Anzhelika</a>; <a href="#">Gladkova, Olga</a>; <a href="#">Sokolyanskii, Aleksandr</a>; <a href="#">Shepelenko, Vladislav</a>; <a href="#">Zalyubovskiy, Yaroslav</a></p> <p><b>Remote framework for publishing distributed RCLs</b> <a href="#">Fortunato, João</a>; <a href="#">Lopes, Josue</a>; <a href="#">Neto, Rui</a>; <a href="#">Balula,</a></p>	<p><b>3B: Special Session: New Experiences and Strategies in Remote Laboratories and apps for Electronics</b> Location: <a href="#">Salon de Grados</a> Chair: <a href="#">Javier Garcia-Zubia</a>, University of Deusto Chair: <a href="#">Elio San Cristobal Ruiz</a>, UNED</p> <p><b>Reshaping digital methodologies to the analog world</b> <a href="#">Felgueiras, Manuel C.</a>; <a href="#">Areias, Dinis</a>; <a href="#">Fidalgo, André V.</a>; <a href="#">Macedo, José</a>; <a href="#">Alves, Gustavo R.</a></p> <p><b>Remote laboratory for teaching of control systems design as an integrated system</b> <a href="#">Poliakov, Mykhailo</a>; <a href="#">Larionova, Tetiana</a>; <a href="#">Henke, Karsten</a>; <a href="#">Tabunshchyk, Galyna</a>; <a href="#">Parkhomenko, Anzhelika</a></p> <p><b>Teaching through inquiry on vocational training: The IES San Juan de la Rambla experience, using an Inquiry Learning Space (ILS) and the LXI-VISIR Deusto</b> <a href="#">Rodríguez, Wilme</a></p> <p><b>Remote diagnostics of remote laboratory – on example of Joule's experiment as a probe into microworld</b></p>	<p><b>3C: Special Session: Open Educational Resources and Competences related with Practices and Laboratories</b> Location: <a href="#">Fernandez Huertas</a> Chair: <a href="#">Edmundo Tovar</a>, Technical University of Madrid Chair: <a href="#">Oscar M Bonastre</a>, Miguel Hernandez University</p> <p><b>Turning the internet of (my) things into a remote controlled laboratory</b> <a href="#">Torres, André</a>; <a href="#">Santos, Manuel</a>; <a href="#">Balula, Samuel</a>; <a href="#">Fortunato, João</a>; <a href="#">Fernandes, Horacio</a></p> <p><b>Bringing Egyptology to the Classroom: Virtual Reconstruction of the TT 209 Site</b> <a href="#">Gomez, Sacha</a>; <a href="#">Molinero, Miguel Angel</a>; <a href="#">Hernandez, Cristo</a>; <a href="#">Mendez, Daniel</a>; <a href="#">Naranjo, Tatiana</a>; <a href="#">Diaz, Yolanda</a>; <a href="#">Perez, Sofia</a>; <a href="#">Acebo, Ainara</a>; <a href="#">Molins, Pablo</a>; <a href="#">Jurado, Francisco</a>; R...</p> <p><b>Evaluation of remote experiments by different target groups, NeReLa project case study</b> <a href="#">Krneta, Radojka</a>; <a href="#">Rojko, Andreja</a>; <a href="#">Restivo, Maria Teresa</a>; <a href="#">Urbano, Diana</a></p> <p><b>"Virtual" Algorithm Experimentation with Optimality</b></p>

	<b>Samuel; Fernandes, Horacio</b>	<b>Schauer, Franz; Krbeček, Michal; Ozvoldova, Miroslava; Tkac, Lukas</b>	<b>Velázquez-Iturbide, J. Ángel</b>	
<b>2:00pm - 3:00pm</b>	<b>Lunch Break</b>			
<b>3:00pm - 4:30pm</b>	<b>PL2: Keynote Session and announcement of GOLC Online Lab and iJOE Outstanding Paper Awards</b> Location: <b>Salon de Actos</b> Chair: <b>Edmundo Tovar</b> , Technical University of Madrid Chair: <b>Michael Auer</b> , CTI  <b>Flipping the Classroom, the Laboratory and Social Media to Scaffold Engineering Design Instruction for First Year Engineering Students</b> <b>Meier, Russ</b>  <b>"EVILINHD", a virtual research environment for the Digital Humanities Innovation Lab</b> <b>González-Blanco García, Elena</b>			
<b>4:30pm - 5:00pm</b>	<b>Coffee Break</b>			
<b>5:00pm - 6:30pm</b>	<b>4A: Honorary session on the occasion of Doru Ursutiu's 65th birthday</b> Location: <b>Salon de Actos</b> Chair: <b>Michael E. Auer</b> , Carinthia University of Applied Sciences  <b>The Remote Lab Cloud "goldi-labs.net"</b> <b>Henke, Karsten; Vietzke, Tobias; Hutschenreuter, René; Wuttke, Heinz-Dietrich</b>  <b>A PLC as an Industry 4.0 component</b> <b>Langmann, Reinhard; Rojas-Peña, Leandro</b>  <b>Work in Progress: Remote Experiment Control through Gesture Recognition</b> <b>Moore, Peter; Kist, Alexander; Maiti, Ananda; Maxwell, Andrew</b>	<b>4B: Full Papers</b> Location: <b>Salon de Grados</b> Chair: <b>Ananda Maiti</b> , University of Southern Queensland  <b>Remote laboratories used in physics teaching: a state of the art</b> <b>Arguedas Matarrita, Carlos Alberto; Concari, Sonia Beatriz; Orduña, Pablo</b>  <b>An advanced Go-Lab scenario for the GUI-based analysis of large samples of particle physics data</b> <b>Vourakis, Stylianos; Fassouliotis, Dimitris; Kourkoumelis, Christine</b>  <b>The Pupils' Academy of Serious Gaming: Strengthening Study Skills with ERPsim</b> <b>Utesch, Matthias; Heining, Robert; Krcmar, Helmut</b>  <b>A Remote Lab for Teaching Mechanics</b> <b>Simão, José Pedro Schardosim; Lima, João Paulo Cardoso de; Heck, Carine; Coelho, Karine dos Santos; Mellos, Carlos, Lucas; Bilessimo, Simone Meister Sommer; Silva, Juarez...</b>  <b>E-Learning Model for Teaching Programming Language for Secondary School Students in Indonesia</b> <b>Tundjungsari, Vitri</b>	<b>4C: Short Papers</b> Location: <b>Ricardo Marin</b> Chair: <b>Gustavo R. Alves</b> , Polytechnic of Porto - School of Engineering  <b>WebLab-Deusto Microscope</b> <b>Martinez-Pieper, Gabriel; Angulo, Ignacio; García-Zubia, Javier</b>  <b>Building Experiment System to Examine a Method for Supporting Verbal Explanation</b> <b>Iwane, Noriyuki; Gao, Chunming; Yoshida, Makoto</b>  <b>Remote Experiments For Embedded Systems Reliability Studies</b> <b>Tabunshchik, Galyna; Van Merode, Dirk; Arras, Peter; Henke, Karsten</b>  <b>Improving of positioning for measurements to control the operation and management of earth-moving and construction machinery</b> <b>Golubeva, Tatyana Viktorovna; Konshin, Sergey Vladimirovich</b>  <b>Automated Checking of Matlab Script Functionality</b> <b>Souc, Miroslav; Zakova, Katarina</b>	<b>4D: Full Papers</b> Location: <b>Florentino Sanz</b> Chair: <b>Mario A. Bochicchio</b> , University of Salento  <b>Development of a Cupping Test in Remote Laboratories for Engineering Education</b> <b>Selvaggio, Alessandro; Sadiki, Abdelhakim; Ortelt, Tobias R.; Meya, Rickmer; Becker, Christoph; Chatti, Sami; Tekkaya, A. Erman</b>  <b>Deploying a novel Web-based Laboratory Using HTML5</b> <b>Lei, Zhongcheng; Hu, Wenshan; Zhou, Hong</b>  <b>A new approach to conduct remote experimentation over embedded technologies</b> <b>Angulo, Ignacio; Rodríguez-Gil, Luis; Orduña, Pablo; García-Zubia, Javier</b>  <b>CS4VRU: remote monitoring and warning system for Vulnerable Road Users</b> <b>Hernández-Jayo, Unai; Perez, Jagoba; de-la-Iglesia, Idoia; Carballedo, Roberto</b>

**8:30pm**

**Conference Social Cocktail**

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Arte Canal cocktail and Cleopatra exhibition private session (near Plaza Castilla)


**10:30pm**

[http://www.rev-conference.org/REV2016/documents/Madrid\\_practical\\_infos.pdf](http://www.rev-conference.org/REV2016/documents/Madrid_practical_infos.pdf)

**Date: Friday, 26/Feb/2016**

8:30am - 9:00am	<b>Registration opens</b>			
9:00am - 10:30am	<b>IAoE and GOLC Annual General Meetings</b> Location: <a href="#">Andres Bello room</a>			
10:30am - 11:00am	<b>Coffee Break</b>			
11:00am - 12:30pm	<p><b>5A: Open Innovation Round Table</b> Location: <a href="#">Salon de Actos</a> Chair: <a href="#">Michael E. Auer</a>, Carinthia University of Applied Sciences</p> <p><b>The OnlineLabs4All Project from CUAS and Austrian Secondary Schools</b> <a href="#">Zutin, Danilo</a>; <a href="#">Auer, Michael</a></p> <p><b>Examples of Open Innovation in the University Context</b> <a href="#">Kist, Alexander A.</a></p> <p><b>The Flipped Lab: Reimagining Science Education with Next-Generation Virtual Laboratories</b> <a href="#">Córdoba, Ainara López</a>; <a href="#">Fakhri, Maarooif</a></p>	<p><b>5B: Short Papers</b> Location: <a href="#">Salon de Grados</a> Chair: <a href="#">Gabriel Diaz Orueta</a>, UNED</p> <p><b>A distributed laboratory architecture for game-based learning in cybersecurity and critical infrastructures</b> <a href="#">Cano, Jesus</a>; <a href="#">Hernandez, Roberto</a>; <a href="#">Ros, Salvador</a>; <a href="#">Tobarra, Llanos</a></p> <p><b>Practical Application of the Learning Mechanics–Game Mechanics (LM-GM) framework for Serious Games Analysis in Engineering Education</b> <a href="#">Callaghan, Michael James</a>; <a href="#">McShane, Niall</a>; <a href="#">Gómez Eguíluz, Augusto</a>; <a href="#">Teillès, Thomas</a>; <a href="#">Raspail, Pierre</a></p> <p><b>Extensive and repeatable experimentation in mobile communications with programmable instruments</b> <a href="#">García Pérez, Cesar Augusto</a>; <a href="#">Recio Pérez, Álvaro Manuel</a>; <a href="#">Ríos Gómez, Álvaro</a>; <a href="#">Díaz Zayas, Almudena</a>; <a href="#">Merino Gómez, Pedro</a></p>	<p><b>5C: Full Papers</b> Location: <a href="#">Ricardo Marin</a> Chair: <a href="#">Mario A. Bochicchio</a>, University of Salento</p> <p><b>Augmented Reality Environment for Engineering Distance Learner in Acquiring Practical Skill</b> <a href="#">Chennam Vijay, Venkatesh</a>; <a href="#">Lees, Mel</a>; <a href="#">Chima, Parmjit</a>; <a href="#">Chapman, Craig</a></p> <p><b>Improving Mobile Communications Research and Education with UXM Wireless Test Set</b> <a href="#">Rivas Tocado, Francisco Javier</a>; <a href="#">Díaz Zayas, Almudena</a>; <a href="#">Merino, Pedro</a></p> <p><b>The Role of Online Labs in the European e-Science Infrastructure</b> <a href="#">Bochicchio, Mario A.</a>; <a href="#">Longo, Antonella</a>; <a href="#">Zappatore, Marco</a>; <a href="#">Tarantino, Donato</a></p> <p><b>Flexible Technologies for Smart Campus</b> <a href="#">Tabunshchyk, Galyna</a>; <a href="#">Van Merode, Dirk</a>; <a href="#">Patrakhalko, Kostiantyn</a>; <a href="#">Goncharov, Yuriy</a></p>	<p><b>5D: Full Papers</b> Location: <a href="#">Florentino Sanz</a> Chair: <a href="#">Pablo Orduña</a>, DeustoTech, University of Deusto</p> <p><b>Laboratories as a Service integrated into Learning Management Systems</b> <a href="#">Tobarra Abad, Llanos</a>; <a href="#">Ros Muñoz, Salvador</a>; <a href="#">Pastor Vargas, Rafael</a>; <a href="#">Hernandez Berlinches, Roberto</a>; <a href="#">Castro, Manuel</a>; <a href="#">Al-Zoubi, Abdullah Al</a>; <a href="#">Dmour, Mamoun</a>; <a href="#">Robles Gomez...</a></p> <p><b>Cloud-based Remote Virtual Prototyping Environment for Embedded Control Applications</b> <a href="#">Werner, Stephan</a>; <a href="#">Lauber, Andreas</a>; <a href="#">Becker, Jürgen</a>; <a href="#">Sax, Eric</a></p> <p><b>THE REMOTE EXPERIMENT COMPATIBILITY WITH INTERNET OF THINGS</b> <a href="#">Samoila, Cornel</a>; <a href="#">Ursutiu, Doru</a>; <a href="#">Jinga, Vlad</a></p> <p><b>Prototype of the modern hands-on smart lab for automation engineering</b> <a href="#">Makarova, Yuliya</a>; <a href="#">Langmann, Reinhard</a></p>
12:30pm - 2:00pm	<p><b>PL3: Keynote Session, presentations of REV Awards and introduction to REV 2017</b> Location: <a href="#">Salon de Actos</a> Chair: <a href="#">Doru Ursutiu</a>, "University ""Transilvania"" of Brasov, Romania" Chair: <a href="#">Ricardo Mairal</a>, UNED</p> <p><b>Remote Experimentation from Research to Education: A European Roadmap</b> <a href="#">Marquez-Barja, Johann M.</a></p> <p><b>Gaming Learning Analytics: how projects RAGE and BEACONING are improving serious games</b></p>			



	<b>applicability</b> <b>Fernandez-Manjon, Baltasar</b>
2:00pm - 3:00pm	<b>Lunch Break</b>
3:00pm - 5:00pm	<b>eMadrid Open Project Presentations</b> Location: <b>Salon de Actos</b> Chair: <b>Manuel Castro</b> , UNED <a href="http://www.emadridnet.org/en/seminario-emadrid-sobre-nuevas-experiencias-en-laboratorios-remotos-2016-02-26">http://www.emadridnet.org/en/seminario-emadrid-sobre-nuevas-experiencias-en-laboratorios-remotos-2016-02-26</a> <ul style="list-style-type: none"><li>• <b>15:00-15:45</b>: Online Experimentation and New Experiences in Remote Laboratories. María Teresa Restivo, Universidad de Oporto.</li><li>• <b>15:45-16:30</b>: Remote Labs and the Industry 4.0 project. Reinhard Langmann, University of Applied Sciences</li></ul> ... 
5:00pm - 6:00pm	<b>Farewell Coffee</b>