

> HEAd'18

4th International Conference on Higher Education Advances

June 20-22, 2018
Valencia, Spain



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on Higher Education Advances**

**June 20-22, 2018
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PREFACE



Josep Domènech

Welcome to the Fourth International Conference on Higher Education Advances (HEAd'18) hosted by the Faculty of Business Administration and Management of the Universitat Politècnica de València, Spain during 20-22 June 2018. This fourth edition consolidates the series of HEAd conferences as a leading forum for researchers and practitioners to exchange ideas, experiences and research results relating to the preparation of students and the organization of higher educational systems.

The selection of the scientific program was directed by Paloma Merello, who led a team of 246 program committee members representing 50 countries in all five continents. Following the call for papers, the conference received 319 full paper submissions from 48 different countries. All the submitted papers were reviewed by at least two program committee members under a double blind review process. Finally, 105 papers were accepted as full papers for oral presentation during the conference. This represents an overall full paper acceptance rate of 33%, in line with the acceptance rate of the previous editions. This selection ensures a high-quality program which is greatly valued by the research communities. Additionally, 39 submissions were accepted as short papers and 39 as poster communications, all of them receiving high review scores and published by UPV Press. The organizing committee congratulates all the authors for having their papers accepted in the program of such a competitive conference.

HEAd'18 also features three keynote speakers that overviewed important and actual topics: Prof. Jose G. Lepervanche Valencia (Florida State College) talks about how to be prepared to influence the instant knowledge generations to be engaged global learners. The talk by Patrick van der Bogt (Hogeschool Utrecht) focuses on promoting the generative potential in educational design and in student's learning. Finally, Assoc. Prof. Cesar Ortega-Sanchez (Curtin University) talk deals with the development of thinking skills in higher education.

The organizing committee would like to thank all of those who make this year's HEAd a great success. Specifically, thanks are indebted to the invited speakers, authors, program committee members, reviewers, session chairs, presenters, sponsors, supporters and all the attendees. Our final words of gratitude must go to the Faculty of Business Administration and Management of the Universitat Politècnica de València for supporting, once again, the HEAd conference, making it possible to become a great event.

This year, the PETRA Workshop was collocated with HEAd'18. This workshop, led by Elena de la Poza and Javier Orozco-Messana focuses on presenting the main issues dealing with the reform of teaching and learning at higher education institutions in Azerbaijan.

June 2018
Josep Domènech

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 Ana Zorio-Grima, Universitat de València, Spain

KEYNOTES

WEDNESDAY 20th 09:30-10:30
Room: Salón de Actos (Conference Hall)

How to be prepared to influence the instant knowledge generations to be engaged global learners



Prof. Jose G. Lepervanche Valencia
Florida State College

Dr. Jose G. Lepervanche Valencia (@DrLepervanche) currently works as Professor of Management at Florida State College at Jacksonville. He also teaches Information Systems and eBusiness courses in online graduate programs. He was an Internet pioneer when he introduced the first commercial online service in Venezuela in the early 90s. He has been online publisher, web developer, Internet strategist and consultant, emerging technologies early adopter, and online professor since 1999. His blogs, newsletters, and videos are shared in online and ground courses. Visit www.lepervanche.org to use his online resources to enhance learning

experiences. After visiting more than 50 countries he developed his Global Learning Opportunities Building Engagement (GLOBE) educational model. He founded Global Learning News, a collaborative news outlet to integrate global knowledge by areas and to bring learning outside of the classroom. Resources include Outdoors University News, Global Learning Adventures, Free Campus Videos, and Scouting Adventures. In Spanish Aventura Global, Aventuras y Crónicas and Aventuras Scouts.

He is TEDxFSCJ Founder and Organizer. He uses TED, TED-Ed, and TEDx Talks to enhance management instruction beyond the classroom. He has published more than 50 TED Ed Lessons for higher education. TED videos and TED Ed Lessons have been embedded into discussions, announcements, and assignments. TEDxFSCJ Learning Adventures are small events created to do roundtables about topics related to Social Responsibility, Leadership, and Sustainable Development Goals using TED resources.

He is a retired Lieutenant Commander from the Venezuelan Navy and he has a Nuclear Engineer degree and a M.S. in Nuclear Engineering from the Massachusetts Institute of Technology. His undergraduate degree from the Venezuelan Naval Academy (First of the Class) is Lic. in Naval Sciences. He also was Honor Graduate of the International Electronic Warfare Course at the US Navy Atlantic Fleet Combat Training Center in Virginia. He earned his PhD in Organization & Management with specialization in Information Technology Management from Capella University.

He is lifelong Scout leader in Venezuela and Boy Scouts of America (BSA). He was one of the 43 2009 BSA National Distinguished Scoutmasters. He was Scoutmaster / Course Director of North Florida Council's National Youth Leadership Training. He developed a Personal Leadership Model to help youth leaders find their way to college and future careers. He is currently Vice President of Scouting Programs for BSA North Florida Council and Sea Scouts leader. He has been Unit Leader to World Jamboree in Japan, International Scottish Jamboree and BSA National Scout Jamboree. He is a Sudden Cardiac Arrest survivor after being saved with CPR/ AED during a Boy Scouts Summer Camp.

THURSDAY 21st 12:15-13:15 Room: Salón de Actos (Conference Hall)

How might you ignite the generative potential in your educational design and in your student's learning?



Patrick van der Bogt
Hogeschool Utrecht

Having worked in the arts and entertainment and being trained in anthropological and (inter)cultural competences he immediately put himself to work when entering higher education ten years ago on a myriad of courses, trainings and project coaching mainly in the field of organizational science & communication. Within a few years he initiated, developed and facilitated the use of digital simulations to help business students gain a holistic sense of their field and support communication students to relate various subtopics within a rich learning environment. Having acquired innovation funding in

2010 to stimulate mobile learning he initially developed over 20 simple but very effective explanations about theoretical concepts to facilitate place and time independent learning and evaluated the effects on learning behaviour.

Being in charge of a curriculum redesign project in 2013 to revitalize student learning and gain more constructive alignment with the needs of practice, he developed a daring blended learning approach and facilitated some 25 staff in finding their new roles within this and approach education from a co-teaching perspective. This put him in the line of sight of an organizational wide innovation programme that allowed him to develop numerous workshops, models for redesigning higher education and facilitation techniques which he as a consultant in innovation (for over 10 programmes as of 2018) keeps refining up to this day strengthened by his degree in Innovation & Learning.

Also training staff within the University of Utrecht since 2016 he has had ample opportunity to iterate new approaches to educational design and especially. Relentlessly pushing to synthesize all his practical and theoretical knowledge into instruments and platforms for: training students & staff in design thinking; evaluation and generative design of courses and projects; developing learning communities that cross department and functional boundaries; experimenting with open learning spaces that defy traditional and hierarchical roles that have dominated higher education for too long and have made it more and more irrelevant to tackle today's societal challenges. He endorses a guerilla tactic within the organizational network by initiating 'HU Studio' with several key players from within his organization and from without to quickly become and brand themselves as the authority in the fields mentioned above.

His organization wide network and his extensive experience in driving a complex innovation agenda culminated recently in a two day Education Festival with over 100 workshops, keynotes and activities for which he was part of the programme committee.

Another project that is dear to his heart is his involvement in the SAUNAC project to support six Vietnamese universities in their development of Smart Sustainable City education.

FRIDAY 22nd 12:30-13:30
Room: Salón de Actos (Conference Hall)

Development of thinking skills in higher education: Are we helping students learn how to think?



Prof. Cesar Ortega-Sánchez
Curtin University

Associate Professor Cesar Ortega-Sanchez is a Computer Systems Engineer from the Metropolitan Autonomous University in Mexico. He obtained the degree of Master of Science in Digital Systems from Brunel University and the degree of Doctor of Philosophy in Electronics from the University of York, both in the UK.

He joined Curtin University in 2005 as Senior Lecturer of the Electrical and Computer Engineering Department where he taught courses in digital design and embedded systems. More recently he has taken leading roles in teaching and learning at Department and Faculty levels. He is currently Academic Director of the Engineering Foundation Year, the common first year of engineering serving 700+ student engineers. He has supervised over 100 undergraduate and postgraduate theses and has published over 60 papers on Electronics and Engineering Education. His research interests are in embedded systems, bio-inspired architectures, intelligent systems, assessment and curriculum design.

BRIEF PROGRAM

	Wednesday 20 th	Thursday 21 st	Friday 22 nd	
9:00 - 10:30	Opening	4a. Educational technology (II)	8a. Competency-based learning	9:00 - 10:30
	Keynote I Jose G. Lepervanche	4b. Alternative devices in learning 4c. Studying abroad 4d. Active educational models	8b. Learning experiences 8c. Evaluating student performance 8d. Innovative applications for teaching	
10:30 - 11:00	Coffee break		Poster Session (III)	10:30 - 11:15
11:00 - 12:15	1a. Mobility and OOC experiences 1b. Skill assesment 1c. Learning and gamification	5a. MOOCs 5b. Student learning evaluation 5c. Educational strategies (I) 5d. Entrepreneurship and employment	9a. Higher education assessment 9b. Globalization programs 9c. Learning for employment 9d. Educational strategies (II)	11:15 - 12:30
12:15 - 13:15	1d. Students' motivations	Keynote II Patrick van der Bogt	Keynote III Cesar Ortega-Sanchez	12:30 - 13:30
13:15 - 14:30	Lunch		Closing	13:30 - 14:00
			Farewell Wine	14:00 - 15:00
14:30 - 16:00	2a. Current competences 2b. Game-based learning 2c. New teaching approaches (I) 2d. Learning models	6a. E-learning education 6b. New teaching approaches (II) 6c. Audiovisual tools for teaching 6d. Education accreditation	PETRA Workshop	15:00 - 18:00
16:00 - 16:45	Poster Session (I)	Poster Session (II)		
16:45 - 18:30	3a. Education quality value 3b. Encouraging education quality 3c. Educational technology (I) 3d. Facing higher education	7a. Education assessment 7b. Outside the classroom 7c. Innovative teaching materials 7d. Digital competences		

WEDNESDAY 20th

(F): FULL PAPERS, 20 min presentation plus 5 min Q&A
(S): SHORT PAPERS, 10 min presentation plus 5 min Q&A
(P): POSTER

Session 1a. Mobility and OOC experiences

Wednesday 20, 11:00 – 13:15. Room Aula 0.1. Chair: Fred Lazin

(F) Participation of the students of Riga Technical University in the Olympiad in mathematics
Sarmite Cernaveja, Inta Volodko

(F) Effects of Mobility Programmes on University Students' Academic Performance
Cristóbal González-Baixauli, Elvira Montañes-Brunet, Pedro J. Pérez-Vázquez

(F) Educational course “Basics of working with fans” as a factor in the objectification of perception of the 2018 FIFA World Cup and football fans in Russia

Victoria Alexandrovna Dihor, Nina Borisovna Serova, Dmitry Yurievich Narkhov

(F) Equity, Access, and Diversity through Short-term Study Abroad in Online Education
Programming

Rebecca A Clothey

(F) International academic mobility: the attraction factors of Brazilians students in Spain

Luciano Kingeski, Jordi Olivella Nadal

Session 1b. Skill assesment

Wednesday 20, 11:00 – 13:15. Room Aula 0.2. Chair: Nathalie Vallet

(F) Acquisition of general competences using project-based learning

Paula M. Castro, Francisco Laport, Adriana Dapena, Francisco J. Vazquez-Araujo

(F) Competence-based learning and societal awareness: Building up experiences within the discipline of interior architecture

Nathalie Vallet, Inge Somers, Michel Corthaut

(F) Training and developing soft skills in higher education

Federica Cornali

(F) Responsible Research and Innovation: an opportunity to develop creative skills at Higher Education

Mar Carrió, Gemma Rodríguez, Núria Saladié, Gema Revuelta, Clara Vizuete, Carolina Llorente

(F) Pre-school Education Degree students' prior knowledge and perception of digital competence

Rakel Gamito, Pilar Aristizabal, María Teresa Vizcarra

Session 1c. Learning and gamification

Wednesday 20, 11:00 – 13:15. Room Aula 0.3. Chair: Maria Limniou

(F) Traditional learning approach versus gamification: an example from psychology

Maria Limniou, Rosie Mansfield

(F) Implementation of game methods in the preparation of management personnel

Mikhail Vasilievich Vinichenko, Alexander Vasilievich Melnichuk, Sergey Anatolievich Makushkin

New university experiences: intergenerational archaeological excavations as a participatory learning method

Miguel Ángel Valero Tévar, Nuria Huete Alcocer

(F) Iterative Design of a Gamified Course in High Education: deployment and evaluation

Johan P. Baldeón, Inmaculada Rodríguez, Anna Puig, Maite Lopez-Sanchez

(S) Giving Permission to Play in Higher Education

Andrew Walsh

(S) Mindfulness and gamification in the higher education classroom: Friends or foes?

Katia G. Karadjova

Session 1d. Students' motivations

Wednesday 20, 11:00 – 13:15. Room Aula 0.4 Chair: Carlos Turró

(F) The impact of a teacher's motivational influence on pupils' emotional experience

Mariana Sirotova, Alzbeta Lobotkova

(F) How we have motivated students in sciences

Anne Uukkivi, Oksana Labanova

(F) Flipping the classroom in courses of statistics: analyzing the feedback from students

Ana Maria Perez-Marin, Jordi Lopez-Tamayo, Manuela Alcañiz, Carme Riera, Miguel

Santolino, Helena Chulia

(F) A study on assessment results in a large scale Flipped Teaching Experience

Carlos Turró, Juan Carlos Morales, Jaime Busquets-Mataix

Session 2a. Current competences

Wednesday 20, 14:30 – 16:00. Room Aula 0.1. Chair: Dries Vanacker

(F) Gentlestudent – The City as a Medium for Acquiring 21st Century Skills

Dries Vanacker, Lore Demedts, Hilde Van Puyenbroeck

(F) Defining a taxonomy of employability skills for 21st-century higher education graduates

Adriana Ornellas

(S) First-year business students' entrepreneurial attitudes

Marja-Liisa Kakkonen

(S) Yes you can, follow your goals! Individual Coaching for female Computer scientists on career development

Silvia Förtsch

Session 2b. Game-based learning

Wednesday 20, 14:30 – 16:00. Room Aula 0.2. Chair: Lee Partridge

(F) Game-based learning supported by audience response tools: game proposals and preliminary assessment

Maximo Cobos, Miguel Arevalillo-Herráez, Esther De Ves, Sandra Roger, Miguel García-Pineda, Francisco Grimaldo, Ariadna Fuertes, Isaías S. Sanmartín, Emilia López-Iñesta, Juan Gutiérrez-Soto, Jose M. Claver, María Asunción Castaño

(F) Game-based learning in an Industrial Service Operations Management Course

Müge Tetik, Mikael Öhman, Risto Rajala, Jan Holmström

- (F) Content review using Kahoot! with aeronautical engineering students
Vicente Albero, Carmen Ibáñez
- (S) LBMGs as educational means. The case of The Fellowship of the Umbrella.
Davide Spallazzo, Martina Sciannamé, Ilaria Mariani

Session 2c. New teaching approaches (I)

Wednesday 20, 14:30 – 16:00. Room Aula 0.3. Chair: Sérgio Soares

- (F) Duet Lectorials: An Engaging Approach to Interdisciplinary Teaching
Robyn Maree Slattery, Renea Anne Taylor, Christian Daniel Doerig
- (F) Drawing as dialogue
Federico Alberto Brunetti
- (F) From Time to Time: A Constructivist Approach to Sociality in Learning
Francesco Mancini, Tanja Glusac
- (S) Nursing Relational Laboratory: Educational, dialogical and critical project
Ana Torres, Sérgio Soares, Maribel Carvalhais

Session 2d. Learning models

Wednesday 20, 14:30 – 16:00. Room Aula 0.4. Chair: Patrick Flinn

- (F) Deconstruction of prior knowledge and visual narratives in Computing pedagogy
Md Golam Jamil, Sakirulai Olufemi Isiaq
- (F) Critting The Crit
Patrick Flynn
- (S) Engineering Graphics Concept Inventory: Instrument Development and Item Selection
Kaloki Nabutola, Heidi Steinhauer, Steven Nozaki, Nancy Study, Mary Sadowski
- (S) Initiating a Translational Bio-Mathematics Research Seminar for Undergraduate Students
Emma Turian, Lidia Filus

Poster Session (I)

Wednesday 20, 16:00 – 16:45. Faculty Hall

- (P) Statistics anxiety in university students in assessment situations
Dolores Frias-Navarro, Hector Monverde-I-Bort, Nuria Navarro-Gonzalez, Olaya Molina-Palomero, Marcos Pascual-Soler, Jose Perezgonzalez, Claudio Longobardi
- (P) Introduction of BIM methodology in education: Concept and application
Alcinia Zita Sampaio
- (P) Competency-based learning: Music education, the great forgotten
Ana Mercedes Vernia-Carrasco
- (P) “Tug of war” Maths&Sport Project
Paola Magnaghi-Delfino, Tullia Norando
- (P) Educational innovation in basic and advanced cardiopulmonary resuscitation in pediatrics and neonatology in a realistic context
María Montserrat Sánchez-Lorente, Pablo García-Molina, José María Blasco, Evelyn

Balaguer-López, Alejandro Tortajada Lohaces, Enrique Sanchis-Sánchez, Sylvia Georgieva

(P) Summative Peer Review of Teaching

Geoffrey Crisp

(P) Circuit simulators for circuit analysis in graduate engineering courses

Càndid Reig, María-Dolores Cubells-Beltrán

(P) Web visibility of Romanian universities – an analysis based on website analytics and social media data

Andreea Mirica, Iulia Elena Toma

(P) The higher education in modern russia as institute of cultural transfer and transformation

Elena Nikolaevna Narkhova, Dmitry Yur'evich Narkhov, Ekaterina Gennad'Evna Kalyuzhnaya

(P) Increasing engagement and participation in a large, third-level class setting using co-teaching

Anna Logan, Ann Marie Farrell

(P) A critical view to current economic topics through an Online-Forum activity

Vicent Caballer Tarazona, María Caballer Tarazona

(P) The ISA Lab workshop: a Project based learning initiative

Javier Orozco-Messana, Elena De La Poza

(P) Designing a programme for Sustainability in Vietnam: Smart Sustainable Vietnamese Cities, SSVc.

Elena De La Poza, Martijn Rietbergen, Javier Orozco-Messana

Session 3a. Education quality value

Wednesday 20, 16:45 – 18:30. Room Aula 0.1. Chair: Michael Niemetz

(F) External Peer Review of Teaching (ExPeRT) Portfolios for Promotion

Lee Partridge, Denise Chalmers

(F) Increasing Peer Review Quality in Online Learning Systems

Naemi Luckner, Peter Purgathofer, Geraldine Fitzpatrick

(F) On the Value of Pedagogical Assets

Maria Serna, Joaquim Gabarro

(F) Transdisciplinary Bachelor Course Connecting Business and Electrical Engineering

Thomas Fuhrmann, Michael Niemetz

Session 3b. Encouraging education quality

Wednesday 20, 16:45 – 18:30. Room Aula 0.2. Chair: Teresa Sánchez Chaparro

(F) A proposal to analyse the progress and difficulties of Higher Education teacher training

Elisa Navarro-Medina, Soraya Hamed Al-Lal, José Antonio Pineda Alfonso, Noelia Pérez Rodríguez, Olga Duarte Piña

(F) The Effectiveness of Different Levels of Activation in Higher Education

Paula Figas, Michael Sailer, Georg Hagel, Maximilian Sailer

(F) Increasing significance of external quality assurance in higher education: current strategies applied by European agencies

Teresa Sánchez Chaparro, Victor Gomez Frías

(S) Why recognising and rewarding excellent teaching in universities matters for students

Denise Chalmers

(S) A framework for the evaluation of educational development programs in higher education in Chile

Denise Chalmers, Beatriz Moya, Hector Turra

Session 3c. Educational technology (I)

Wednesday 20, 16:45 – 18:30. Room Aula 0.3. Chair: María Cutajar

(F) Student perceptions of a proposed generic e-Learning template aligned with the Engineering Council of South Africa accreditations template

Nicolaas Luwes, Leanri Van Heerden

(F) Using Wikipedia as a classroom tool — a translation experience

Robert Martínez Carrasco

(F) Digital scriptum – novel approach of student experiment preparation

Nikolas Roß, Robert Kuska, Iris Rieth, Sulamith Frerich

(S) Crowdsourced Recommender System

Mario Mallia Milanes, Matthew Montebello

(S) Impacting Networked Technologies on Teaching Practices

Maria Cutajar, Matthew Montebello

Session 3d. Facing higher education

Wednesday 20, 16:45 – 18:30. Room Aula 0.4. Chair: Veronica Sánchez-Romaguera

(F) A comparison of a first and third year UG enterprise unit: lessons from experiential learning and interdisciplinarity

Veronica Sanchez-Romaguera, Robert A Phillips

(F) 'I use my time more wisely...' The implications for learning and teaching in higher education of more 'commuter students'

Liz Thomas

(S) In search of health evidence. Proposal for self-learning

José María Blasco-Igual, Enrique Sanchis-Sánchez, Pablo García-Molina, Evelyn Balaguer-López, Sylvia Georgieva, María Montserrat Sánchez-Lorente

(S) Non-Natural Born lecturers: How to survive teaching in Dutch higher education

Charlotte Oude Alink, Alberto Martinetti, Arma?An Karahano?Lu, Marije Hahnen-Florijn

THURSDAY 21st

(F): FULL PAPER, 20 min presentation plus 5 min Q&A

(S): SHORT PAPER, 10 min presentation plus 5 min Q&A

(P): POSTER

Session 4a. Educational technology (II)

Thursday 21, 9:00 – 10:30. Room Aula 0.1. Chair: Ziyu Zhou

(F) Digitization of Analog Phonic Archives in a University Lab: A Report on a Young Apprenticeship Initiative

Luca Andrea Ludovico, Giorgio Presti

(F) Learning Lab “Digital Technologies” – Concept, Streams and Experiences

Lars Brehm, Holger Günzel

(S) Educating designers through Materials Club

Ziyu Zhou, Valentina Rognoli, Camilo Ayala-García

(S) Teaching to teach with a LMS: the experience at University of Perugia

Maria Filomia, Valentino Santucic, Gianluca Vinti, Giovanni Maria Perfetto De Santis, Floriana Falcinelli, Giuseppe Frenguelli, Carlo Lorenzi, Alessio Moriconi, Donatella Siepi, Furia Valori, David Ranucci, Alfredo Milani, Massimiliano Marianel

Session 4b. Alternative devices in learning

Thursday 21, 9:00 – 10:30. Room Aula 0.2. Chair: Vanessa Crump

(F) Self-learning through the PhysioEx™ 9.0 simulator as a teaching tool in Veterinary Physiology. The opinion of the students.

Francisco Alberto García Vázquez, Cristina Soriano Úbeda

(F) Students' motivation, concentration and learning skills using Augmented Reality

Daniel Sampaio, Pedro Almeida

(S) Game of phones: Integrating mobile technology into science and engineering classrooms.

Vanessa Crump, Julie Sparks

(S) LEGO blocks as a gamification tool

Pablo De Carlos Villamarín, Trinidad Dominguez Vila, Elisa Alén

Session 4c. Studying abroad

Thursday 21, 9:00 – 10:30. Room Aula 0.3. Chair: Frederik Ahlgrimm

(F) The development trends of the main drivers for attracting students into the tertiary education sector in Latvia – distance learning and internationalization

Aleksandrs Skvorcovs, Tatjana Titareva, Graurs Igors

(F) Cultural competence: a key component for training global citizens

Amy B. Mchugh-Cole, Gabrielle Sarah Russell-Mundine, Rachael Freya Simons

(F) Why students travel abroad (and so many others do not): Exploring predictors and decision-making processes in study-related student travel

Frederik Ahlgrimm, Andrea Westphal, Sebastian Heck

(S) Integrating foreign higher education institution (HEI) students to Finnish working life
Pia Kaari, Anna Ollanketo

Session 4d. Active educational models

Thursday 21, 9:00 – 10:30. Room Aula 0.4. Chair: Diego Galego

(F) Active methodologies and teaching performance: a necessary relationship in the field of education

M. Isabel Luis, Tamara De La Torre Cruz, Jonathan Huelmo, M. Camino Llamazares, Esther Ruiz, Carlos Prieto, Carmen Palmero, Alfredo Jiménez

(F) Embedding Social Innovation in Latin America Academic Curriculum

Diego Galego, Waldo Soto, Gabriela Carrasco, Marlene Amorim, Marta Ferreira Dias

(F) A New perspective to the Process of Education/Communication in the Era of Digital Technologies

Paulo Cesar Sousa, Lucilene Cury

(S) Educational Models against ageism in higher education

Carmen Requena, Paula Álvarez-Merino, María Plaza-Carmona

Session 5a. MOOCs

Thursday 21, 11:00 – 12:15. Room Aula 0.1. Chair: Jose Antonio Belloch

(F) Grading versus Reliability: how Academia perspectives evaluation on MOOCs

Ana S. Moura, M. Natália D.S. Cordeiro

(F) Accessible C-programming course from scratch using a MOOC platform without limitations

Jose Antonio Belloch, Adrián Castelló, Sergio Iserte

(S) When the Massive Open Online Courses, MOOC, become Hybrid at the Open University of Mauritius

Gundeea Narrainen

Session 5b. Student learning evaluation

Thursday 21, 11:00 – 12:15. Room Aula 0.2. Chair: Cristina Pardo-Ballester

(F) Effectiveness of bite-sized lecture on student learning outcomes

Noi Sian Koh, Swapna Gottipati, Venky Shankararaman

(F) A longitudinal study on language learning vocabulary in L2 Spanish

Cristina Pardo-Ballester

(F) Sharing system of learning resources for adaptive strategies of scholastic remedial intervention

Alice Barana, Luigi Di Caro, Michele Fioravera, Francesco Floris, Marina Marchisio, Sergio Rabellino

Session 5c. Educational strategies (I)

Thursday 21, 11:00 – 12:15. Room Aula 0.3. Chair: Alexander Bartel

(F) Strategic Plan of Graphic Expression to implement BIM on a Degree in Technical Architecture

Amparo Bernal, Ángel Rodríguez

(F) Emendo – A Toolchain for Creating Gamified Learning Arrangements for Online Learning Settings

Alexander Bartel, Georg Hagel, Christian Wolff

(F) Scene Design: First as a Methodology then as a New Professional Field

Sladana Milićević

Session 5d. Entrepreneurship and employment

Thursday 21, 11:00 – 12:15. Room Aula 0.4. Chair: Dimitri Prandner

(F) Who is even studying journalism to become a journalist?

Robert Moosbrugger, Dimitri Prandner

(F) Start It Up – Support for young entrepreneurship

Anna-Maija Tornainen

(F) Preparing students for service-learning and social entrepreneurship experiences

He Len Chung, Kayla Taylor, Caitlin Nehila

Session 6a. E-learning education

Thursday 21, 14:30 – 16:00. Room Aula 0.1. Chair: Matthew Montebello

(F) Student and instructor attitudes toward CALL and MALL in the L2 classroom

James W. Pagel, Stephen Lambacher, Hisayo Kikuchi, Sachiho Mori

(F) Realignment Course in Mathematics: design of an online valuable experience for students

Alice Barana, Alessandro Bogino, Michele Fioravera, Francesco Floris, Marina Marchisio

(S) The qualification of e-learning for higher education through the development of affective usability, self-evaluation test and virtual laboratory

Valeria Biasi, Anna Maria Ciraci

(S) Enriching Online Education through Differentiated Learning

Matthew Montebello, Petrilson Pinheiro, Bill Cope, Mary Kalantzis, Samaa Haniya, Anastasia Olga Tzirides, Tabassum Amina, Duane Searsmith

Session 6b. New teaching approaches (II)

Thursday 21, 14:30 – 16:00. Room Aula 0.2. Chair: Daniela Zehetmeier

(F) Improving the quality of learning in a blended learning environment for first-year biology

Angelique Kritzinger, Juanclaude Lemmens, Marietjie Potgieter

(F) Implementing Management Systems and Demand Driven MRP concepts: A Project Based Learning experience in Industrial Organization Engineering

Alaitz Kortabarria, Ander Elizburu

(F) Designing Lectures as a Team and Teaching in Pairs

Daniela Zehetmeier, Axel Böttcher, Anne Brüggemann-Klein

(S) Integration of TED-Ed Lessons and TED and TEDx Talks to Enhance College Classroom Instruction

Jose G. Lepervanche Valencia

Session 6c. Audiovisual tools for teaching

Thursday 21, 14:30 – 16:00. Room Aula 0.3. Chair: José-Víctor Rodríguez

(F) Successfully planning and implementing peer-to-peer lecture films – “Making it work”
Anja Pfennig

(F) Successfully planning and implementing peer-to-peer lecture films – “Making of”
Anja Pfennig, Jörg Maier-Rothe

(F) Audiovisual content as a learning aid for Business English learners: developing and validating a Matrix

Tiago Carvalho, Pedro Almeida, Ana Balula

(S) UPCT-Bloopbusters: Teaching Science and Technology through Movie Scenes and related Experiments

José-Víctor Rodríguez, Enrique Castro-Rodríguez, Juan-Francisco Sánchez-Pérez, José-Luis Serrano-Martínez

Session 6d. Education accreditation

Thursday 21, 14:30 – 16:00. Room Aula 0.4. Chair: Giorgio Giorgi

(F) Medical Physics in Expertia Program

Francisco Javier Jiménez, Eduardo García, José Miguel Ponce, Marina Gascón, María Del Mar Puertas, Agustina Méndez

(F) Advanced teaching module for the course “Theory of Probability and Statistics” based on a recurrent test system with an incremental level of complexity and dynamical case studies

Ekaterina Pavlovna Mochalina, Galina Vladimirovna Ivankova, Oleg Veniaminovich Tatarnikov

(F) Clinically relevant medicine label-based exercises: a friendly bridge between medicinal chemistry and pharmacotherapeutics

Giorgio Giorgi, María Del Carmen Bravo Llatas

(S) Analysis of two Leveling Courses in Chemistry: objectives, methodology, assessments and future prospects

Elena M Arroyo-De Dompablo, María José Ibáñez-González

Poster Session (II)

Thursday 21, 16:00 – 16:45. Faculty Hall

(P) Autonomous Learners’ Metacognitive Awareness Development with the Help of Trello Board

Anna Kalizhanova, Bayan Ibrayeva, Margarita Ishmuratova

(P) Supporting lecturers to demystify learning in a science faculty

Ina Louw

- (P) Graphical enhancements of the Virtual Programming Lab
Aidan Mooney, Emlyn Hegart Kelly
- (P) Flipped Classroom at the Defence University
Jowati Juhary, Ahmad Fahimi Amir
- (P) Information from Automated Evaluation in an Engineering School
Nicolas Serrano, Carmen Blanco, Francisco Carias, Enrique Reina
- (P) Students' Learning and Satisfaction In An Alternative Learning Centre In Malta
Antoinette Schembri
- (P) A pedagogical response to the challenges of delivering collaborative probation education in online environments
Laura Martin, Andrew Fowler
- (P) Integration of gamification in a traffic education platform for children
Malik Sarmad Riaz, Ariane Cuenen, Davy Janssens, Kris Brijs, Geert Wets
- (P) Results of the use of Kahoot! gamification tool in a course of Chemistry
José Bernal, Ana María Ares, Jorge Bernal, María Jesús Nozal, Francisco Javier Sánchez
- (P) "I see students' digital practices as an extreme impoverishment": The Non-Use of the Competences Framework and Stigmatisation of Technology of Italian Secondary School Teachers
Yvonne Vezzoli, Valentina Pagani
- (P) Comparative analysis of career choices by students in Latvia and the UK
Veronika Bikse, Inese Luzēnā – Ezera, Una Libkowska, Baiba Rivža
- (P) Use of Software Tools for Real-time Monitoring of Learning Processes: Application to Compilers subject.
Francisco Javier Sánchez, Jorge Bernal
- (P) Learning outcomes in the field of human resource management in business administration studies in the context of implementation of European Qualifications Framework (EQF) – examples from University of Valencia, Spain, and University of Dubrovnik, Croatia
Jose Rodolfo Hernandez-Carrión, Ivona Vrdoljak Raguč

Session 7a. Education assessment

Thursday 21, 16:45 – 18:30. Room Aula 0.1. Chair: Vicente Gonzalez-Roma

- (F) Social class and university graduates' overqualification: testing two mediated relationships
Vicente Gonzalez-Roma, Ana Hernandez, Juan Pablo Gamboa, Ines Tomas
- (F) Factors Driving University Choice: A Principal Component Analysis on Italian Institutions
Mara Soncin, Giovanni Azzone
- (F) Decoding the Disciplines in higher education institutions
Sandra Chistolini
- (S) Resource potential of the community of faculty members in the modernization of the russian higher education
Dmitry Yur' Evich Narkhov, Elena Nikolaevna Narkhova, Yury Rudol' Fovich Vishnevsky
- (S) Transforming assessment practices in a higher education institution
Carmen Tomas

Session 7b. Outside the classroom

Thursday 21, 16:45 – 18:30. Room Aula 0.2. Chair: Lorena D. Mathien

(F) The museum as an educational support in a Civil Engineering context

Alcinia Zita Sampaio

(F) Case Study: Use of Open Education Resources in Business Capstone

Lorena D. Mathien

(F) OERlabs: Empathy first, solution later?

Mathias Andrasch, Sandra Hofnues, Bence Lukács

(S) Outside the classroom: the participatory design workshop on Healthy City, Mixco, Guatemala.

Francesca Giofre', Mario Raúl Ramírez De León

(S) Theatre teaches

Mariasole Banno, Andrea Albertini, Ileana Bodini, Sandro Trento, Valerio Villa

Session 7c. Innovative teaching materials

Thursday 21, 16:45 – 18:30. Room Aula 0.3. Chair: Kevin Norton

(F) The Exercise Science Toolkit: a web application for exercise and health science students

Kevin Norton, Lynda Norton

(F) Business French and Translation in the Era of Google Translate: Variations on the Action-based Approach in Language Courses

Snejina Sonina, Sylvia Mittler

(F) Teaching and Learning with Smartphone: Qualitative Explorative Study from Pakistan

Haji Rahman, Mehtab Hameed

(S) Introducing Voice Recognition into Higher Education

Toby Dittrich, Sequoia Star

Session 7d. Digital competences

Thursday 21, 16:45 – 18:30. Room Aula 0.4. Chair: Yulia Guseva

(F) Developing Design Skills in Teaching 3D Modeling at the Pre-University Level

Vladimir Anatolievich Lokalov, Igor Viktorovich Klimov, Dmitrii Olegovich Makhlai

(F) Learning in the Era of Online Videos: How to Improve Teachers' Competencies of Producing Educational Videos

Tomi Kauppinen, Yulia Guseva

(F) Cluster Analysis of Digital Performance in Educational Techniques in Conditions of EU

Eva Huculova, Lucia Solcova

FRIDAY 22nd

(F): FULL PAPER, 20 min presentation plus 5 min Q&A
(S): SHORT PAPER, 10 min presentation plus 5 min Q&A
(P): POSTER

Session 8a. Competency-based learning

Friday 22, 9:00 – 10:30. Room Aula 0.1. Chair: David Sanchez Peñaranda

(F) Flipped classroom and ICTs as the tools to reach key competences

David Sanchez Peñaranda, Carmen Naturil Alfonso, Francisco Marco Jiménez, José Salvador Vicente Antón

(F) Developing career management skills within a flipped course in Managerial Communication

Bruce Alexander Johnstone

(F) Procrastination: the poor time management among university students

Carmen Naturil-Alfonso, David Sánchez Peñaranda, Jose Salvador Vicente, Francisco Marco-Jiménez

(S) Action Learning in the neighbourhood of Benicalap (Valencia): an innovative teaching and learning experience in an International Development Master

Victoria Pellicer-Sifres, Alejandra Boni, Monique Leivas Vargas, Vania Wassel Antich

Session 8b. Learning experiences

Friday 22, 9:00 – 10:30. Room Aula 0.2. Chair: Gareth Bramley

(F) A Grassroots, Practical Response to Student Belonging through Learning and Teaching Experiences

Rachel Wilson, Gabrielle Murray, Bronwyn Clarke

(F) Diverse Women Faculty Experiences Using Identity and Relational Concepts to teach Cultural Competence

Lashawn Williams

(S) Being there? A Collaborative Inquiry into Attendance

David Menendez Alvarez-Hevia, Janet Lord, Steven Naylor

(S) The intercultural competence of preservice teachers: An exploratory study

Denise Beutel, Donna Tangen

Session 8c. Evaluating student performance

Friday 22, 9:00 – 10:30. Room Aula 0.3. Chair: Anna Lukkarinen

(F) Factors that Influence Student Retention

Aisling Devereux, Markus Hofmann

(F) Explanatory factors of student performance in online tests for the continuous assessment: Is attendance really important?

Ana Zorio-Grima, Paloma Merello

(F) Relationship between student guidance and academic achievement

Anna Lukkarinen, Paula Koivukangas

(S) University classroom interactive situation microanalysis: cognitive attunement and pedagogical interpretation

Isaac Calduch, Gabriel Hervas, Beatriz Jarauta Borrasca, José Luís Medina

Session 8d. Innovative applications for teaching

Friday 22, 9:00 – 10:30. Room Aula 0.4. Chair: Leandra Yvonne Celaya

(F) **Introducing Geosciences in a blended Education Master degree**

Carne Huguet, Idael Francisco Blanco-Quintero, Martha Cecilia Henao Mejía, Francy Julieth Moreno Vela, Lizeth Andrea Chimbi Sanchez

(F) **Developing Healthcare Leaders, Fostering Collaboration, and Facilitating Transformation in the Kingdom of Saudi Arabia: Practice-Based Synthesis Projects in a Global Executive Graduate Program**

Leandra Yvonne Celaya, Daniel K Mueller, Samuel Robert Hernandez

(F) **Vegetable gardens for educational purposes: a specific toolkit for didactic contexts**
Claudia Mastrantoni, Martina Mazzarello

(S) **Holistic Architecture for Music Education: A proposal for empirical research in educational situations**

Rolando Angel-Alvarado, Miguel R. Wilhelm, Olga Belletich

Poster Session (III)

Friday 22, 10:30 – 11:15. Faculty Hall

(P) **Asking is not enough. A research study on teaching qualitative interviews in Italy**
Albertina Pretto

(P) **Participation in International Telecommunication Projects for Intercultural Communication and Creating an English Authentic Environment Development**

Anna Kalizhanova, Bayan Ibrayeva, Margarita Ishmuratova

(P) **An experimental tailor-made ESP course: experience of teaching English to students of Economics**

Anna Yurievna Shirokikh

(P) **The Personality of a University Teacher from the Perspective of Academic Culture**
Mariana Sirotova, Eva Frydkova

(P) **Subtitling as a Teaching Tool for English for Specific Purposes' Students**
Paula Buil Beltrán

(P) **Identifying the effectiveness of e-learning platforms among students using Eye-Tracking technology**

Raluca Giorgiana Chivu, Luiza Maria Turlacu, Ivona Stoica, Andra Victoria Radu

(P) **University students developing imaginative problem solving skills — The case of food engineering**

José S. Torrecilla, Roberto Aguado, Antonio Tijero, Menta Ballesteros, Ana Moral, Miguel Lastra

(P) **Forced vital capacity & oxygen consumption screening at students**

Florin Mostoflei

(P) **Internationalisation of a teaching experience: ToSCA UPC education for innovation workshop at UFPS, Colombia**

Marta Adroer Puig, Carmen Xiomara Díaz Fuentes, Joan Lluís Zamora I Mestre

(P) **Study-related Use of Instructional Videos by Undergraduate Engineering Students**
Markus Hennig, Bärbel Mertsching

(P) **NeuroBoricuas: a novel approach for incorporating neuroscience education in schools of Puerto Rico**

Christian Bravo-Rivera, Manuel Díaz-Ríos, Ariadna Aldarondo-Hernández, Bermay Santos-Vera, Liorimar Ramos-Medina, María Inés De Jesús-Burgos, Héctor Bravo-Rivera, Aranza Torrado, Ernesto Cabezas-Bou, Fabiola Cruz-Lopez, Jennifer Colón-Mercado, Jose Otero-Rivera, Kimberleve Rolon-Reyes, Miguel Mendez-Gonzalez, Yancy Ferrer-Acosta, Astrid Zayas-Santiago, Flavia Tejada, Amelia Merced, Zarcaly Quintero-

Martinez, Alicia Landivar, Luis Colon-Cruz, Jonathan Crooke-Rosado, David Rivera-Aponte, Agnes Acevedo-Canabal, María A Sosa-Lloréns, Eduardo Quijano-Rivera

(P) *Dyslexic students: from language learning to language testing*

Margherita Pelleriti

(P) *The Centre for Excellence in Teaching (CET) at Portucalense University: goals, strategies and expected outcomes.*

Sandra Raquel Gonçalves Fernandes, Paula Morais, Diana Mesquita, Marta Abelha, Sara Fernandes, Ana Silvia Albuquerque

Session 9a. Higher education assessment

Friday 22, 11:15 – 12:30. Room Aula 0.1. Chair: Merel Van Goch

(F) *Investigating the Colombian University System: What Does the Future Hold?*

Ali Sakkal

(F) *Creativity in liberal education before and after study commencement*

Merel Van Goch

(F) *Making It: Institutionalizing Collaborative Innovation in Public Higher Education*

Sean Mccarthy, Audrey Barnes, Keith S Holland, Erica Lewis, Patrice Ludwig, Nick Swayne

Session 9b. Globalization programs

Friday 22, 11:15 – 12:30. Room Aula 0.2. Chair: Colin Borg

(F) *The influence of globalisation and massification on public higher education in Malta: assessing the contextual realities*

Colin Borg

(F) *Transnational student consultancy – an integrated approach to business students' learning*

Veit Wohlgenuth, Tine Lehmann, Christina Saulich

(F) *The MEM project: experiences, challenges and outcomes of an international double master-level degree*

Roberto Montanari, Layek Abdel Malek, Paolo Andrei, Gino Ferretti, Simonetta Valenti, Luca Maria Mancinelli, Alessandro Bernazzoli, Eleonora Bottani, Joel S. Bloom, Fadi P. Deek

Session 9c. Learning for employment

Friday 22, 11:15 – 12:30. Room Aula 0.3. Chair: Tobi Thompson

(F) *EMI Teacher Training at the University of A Coruña*

Begoña Crespo, Ángela Llanos Tojeiro

(F) *Maintaining the diversity of the professional healthcare workforce through higher education qualification routes*

Liz Thomas, Vicky Duckworth

(F) *Preparing Effective Literacy Educators Through Professional Development*

Tobi Thompson, Ingrid Massey

Session 9d. Educational strategies (II)

Friday 22, 11:15 – 12:30. Room Aula 0.4. Chair: Frank Van Splunder

(F) Teaching and learning experience in soil consolidation aided by computer software
García Ros Gonzalo, Sánchez Pérez Juan Francisco, Fernández García Martina, Del Cerro Velázquez Francisco

(S) Attitudes towards English in Cuban Higher Education. Recent Developments and Challenges

Frank Van Splunder, Geisa Dávila Pérez

(S) Layering Learning for Work-Readiness in a Science Programme

Marianne Mckay, Antoinette Smith-Tolken, Anne Alessandri

(S) Education for innovation: engineering, management and design multidisciplinary teams of students tackling complex societal problems through Design Thinking

Guido Charosky, Lotta Hassi, Luciana Leveratto, Kyriaki Papageorgiou, Juan Ramos, Ramon Bragos

PETRA Workshop

(F): FULL PAPERS, 20 min presentation plus 10 min Q&A

(S): SHORT PAPERS, 10 min presentation plus 5 min Q&A

Friday 22, 15:00 – 18:00. Salon de Actos. Chairs: Elena de la Poza and Javier Orozco

(F) A Reflection on Teaching Practice: A Level 9 Microteaching Application”

Angela Siobhan Wright

(F) Hungarian ethnic minority higher education students in different countries of Central Europe

Gabriella Pusztai, Zsuzsanna Márkus

(F) Education Facing Globalization in Post-communist Country: Azerbaijan

Hamlet Isaxanli

(S) Creativity as a Component of Innovation

Nigar Zeynalova, Zarina Aslanova, Vusala Aghabayli

(S) Development of a conceptual model of multi-skilled specialist training

Javanshir Mammadov, Natig Talibov, Agil Huseynov, Loghman Abdullayev, Samira Mammadova

(S) Integration of HE system of Azerbaijan in the Global World

Ulviyya Abbasova, Natavan Babayeva

(S) Azerbaijan Education System: Transition from Traditional to Modern Teaching and Learning Strategies. A Review of Literature

Aygun Musayeva, Elchin Jafarov, Bakhtiyar Badalov, Samira Mammadova

(S) Technology based assessment in Geography education: Kahoot

Salih Sahin, Adnan Kan

SOCIAL PROGRAM



WEDNESDAY 20th, 19:30-21:00

Welcome Cocktail Reception at Mala Bar Brewery located at Veles e Vents building (Address: Marina Real Juan Carlos I, Muelle de la Aduana s/n, 46024, València). Dress code: Casual.



Guest Appearance: Grupo "El Garbí", Falla García Lorca-Olta

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THURSDAY 21st, 21:00-24:00

Conference Dinner at Terrace Lounge of Restaurant CONTRAPUNTO Les Arts (Address: Palau de les Arts Reina Sofia, Av. Del Professor López Piñero 1, 46013 València). Dress Code: Smart Casual.



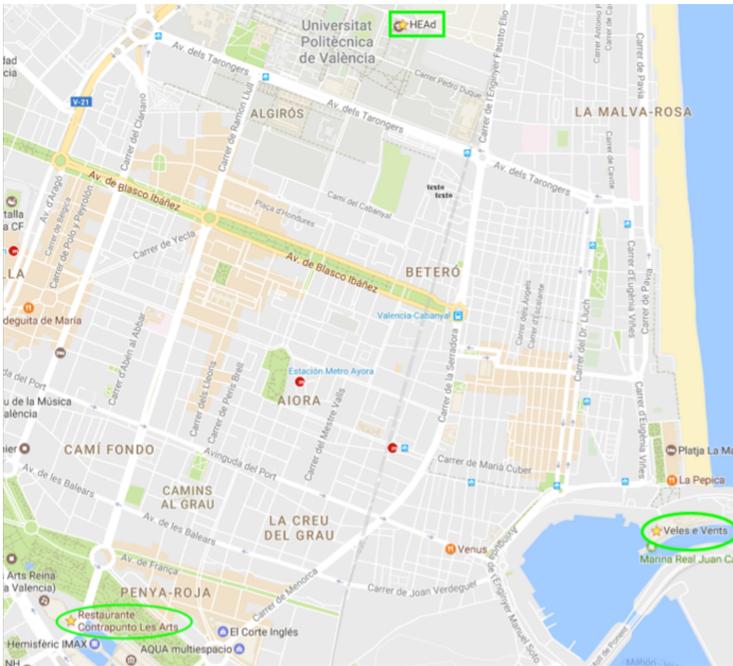
FRIDAY 22nd, 14:00-15:00

Closing Wine Reception at the Faculty Hall, UPV.

DIRECTIONS

From HEAD'18 to Mala Bar Brewery, you can take tram line number 6 (from Tarongers stop to Grau Canyonel stop) (approx 25 min).

From HEAD'18 to Restaurante Contrapunto Les Arts, you can take bus number 18 (from Tarongers-Facultat de Magisteri stop to Escultor J.Capuz-La Plata stop, approx 15 min). You can also take bus number 40 (from Ramón Llull-Albalat dels Tarongers stop to Tomàs Montañana-Albereda stop, approx 15 min).



UPV MAP



Building 7J
 Faculty of Business Administration and Management
 Conference Hall; Saló d'actes, 2nd floor.
 Faculty Hall; Main entrance, Ground floor.
 Rooms Aula 0.1, Aula 0.2 Aula 0.3, Aula 0.4; Ground floor.

Building 9D
 Cafeteria El Trimquet

ADDITIONAL INFORMATION

Lunch will be served on Wednesday and Thursday from 13:15-14:30 at Cafetería “ El Trinquet” (Building 9D) located behind the Faculty of Business and Management.

Coffee breaks will be served at the Faculty Hall:

- Morning 10:30-11:00 (on Friday during Poster Session III).
- Afternoon 16:00-16:45 (during Poster Session I and II).

Free wifi access will be provided for delegates at the conference.

Conference delegates will have access to a meeting room (Seminario 0.1) in the ground floor of the Faculty of Business Administration and Management.

Emergency numbers

Services

Services	Phone
Medical Service (Ambulancia)	Tel: 061
National Police (Policía Nacional)	Tel: 091
Local Police (Policía Municipal)	Tel: 092
Fire Service (Bomberos)	Tel: 080
Sea Rescue (Salvamento y seguridad marítima)	Tel: 900 202 202
Pan-European emergency number	Tel: 112

Taxi Companies

Taxi Company	Phone	e-mail
Radio Taxi	+34 96 370 33 33	admon.radiotaxi@mvaseguros.es
Taxi Valencia	+34 607 181 181	info@taxivalencia.com
Valencia Taxi	+34 96 374 02 02	
Tele Taxi	+34 96 357 13 13	

SUPPORTERS

