EDULEARN 19

11TH INTERNATIONAL CONFERENCE ON EDUCATION AND NEW LEARNING TECHNOLOGIES

PALMA (SPAIN)
1ST - 3RD OF JULY, 2019

CONFERENCE PROCEEDINGS

EDULEARN 19

CONFERENCE PROCEEDINGS

EDULEARN19 Proceedings
11th International Conference on Education and New Learning Technologies
July 1st-3rd, 2019 — Palma, Mallorca, Spain

Edited by
L. Gómez Chova, A. López Martínez, I. Candel Torres
IATED Academy

Book cover designed by
J.L. Bernat

EDULEARN19 COMMITTEE AND ADVISORY BOARD

Agustín López	SPAIN	*Juanan Herrero*	SPAIN
Alexander Mikroyannidis	UNITED KINGDOM	*Keren Levy*	ISRAEL
Amparo Girós	SPAIN	*Linda Pospisilova*	CZECH REPUBLIC
Ana Lucas	PORTUGAL	*Lorena López*	SPAIN
Ana Paula Lopes	PORTUGAL	*Louise Robson*	UNITED KINGDOM
Ana Tomás	SPAIN	*Lucilla Crosta*	UNITED KINGDOM
Anamarija Štefić	CROATIA	*Luis Gómez Chova*	SPAIN
Anastasios Economides	GREECE	*Mª Jesús Suesta*	SPAIN
Andre Blondin	CANADA	*Manuel Costa*	PORTUGAL
Andrew Youde	UNITED KINGDOM	*Manuel Gericota*	PORTUGAL
Anemona Peres	POLAND	*Marco Arrigo*	ITALY
Anna Aurora Battaglia	UNITED KINGDOM	*Marek Jaszczur*	POLAND
Antonio García	SPAIN	*Margaret Ferrara*	UNITED STATES
Beryl Pittman	UNITED STATES	*Maria Porcel*	SPAIN
Bettina Fuhrmann	AUSTRIA	*Marion Milton*	AUSTRALIA
Boza Tasic	CANADA	*Martina Bode*	UNITED STATES
Charanjit Kaur	AUSTRALIA	*Mary Benedetti*	UNITED STATES
Chelo González	SPAIN	*Michelle Rosser-Majors*	UNITED STATES
Chiew Hong Ng	SINGAPORE	*Michiko Toyama*	JAPAN
Craig Bartle	UNITED KINGDOM	*Miguel Peiró*	SPAIN
Cristina Muntean	IRELAND	*Mohamed Zarouk*	PORTUGAL
Cristina Sin	PORTUGAL	*Nathalie Cazaux*	IRELAND
Crystal Bickford	UNITED STATES	*Nello Scarabottolo*	ITALY
Danica Vidotto	CANADA	*Norma Barrachina*	SPAIN
David Martí	SPAIN	*Patricia Gamboa*	PORTUGAL
Dorian Cojocaru	ROMANIA	*Peter Haber*	AUSTRIA
Eladio Duque	SPAIN	*Pietro Ragni*	ITALY
Elena Savova	BULGARIA	*Radel Ben-Av*	ISRAEL
Gabriel-Miro Muntean	IRELAND	*Rebecca Allen*	UNITED STATES
Gemma Piercy	NEW ZEALAND	*Riccardo Mazza*	SWITZERLAND
Georgios Kouroupetroglou	GREECE	*Rodica Silvia Stan*	ROMANIA
Hanna-Riitta Kymäläinen	FINLAND	*Sami Ammar*	CANADA
Helen Gadegaard	DENMARK	*Sergio Pérez*	SPAIN
Helen Reddy	UNITED KINGDOM	*Sofie Van Hoecke*	BELGIUM
Ignacio Ballester	SPAIN	*Soula Mitakidou*	GREECE
Ignacio Candel	SPAIN	*Stefano Menon*	ITALY
Ilana Lavy	ISRAEL	*Stéphanie Looser*	SWITZERLAND
Iman Osta	LEBANON	*Stewart Bibby*	UNITED KINGDOM
Iván Martínez	SPAIN	*Teemu Patala*	FINLAND
Jana Bérešová	SLOVAKIA	*Teresa Cardoso*	PORTUGAL
Javier Domenech	SPAIN	*Thomas Rachfall*	GERMANY
Javier Martí	SPAIN	*Trayan Iliev*	BULGARIA
Jeroen Lievens	BELGIUM	*Victor Fester*	NEW ZEALAND
Joanna Lees	FRANCE	*Wendy Gorton*	UNITED STATES
Jose F. Cabeza	SPAIN	*Xavier Lefranc*	FRANCE
Jose Luis Bernat	SPAIN	*Xema Pedrós*	SPAIN
Josipa Matotek	CROATIA	*Yazid Benchabane*	UNITED ARAB EMIRATES

CONFERENCE SESSIONS

ORAL SESSIONS, 1st July 2019

Massive Open Online Courses (MOOC)
Effective Pedagogical Practices
ICT & Digital Skills for Educators (1)
Foreign Language Learning
Vocational Education
Ethical Issues in Education
Design Thinking and Creativity
Quality Assurance and Accreditation
Health Sciences Education

Virtual Reality and 3D Experiences
Flipped Learning (1)
ICT & Digital Skills for Educators (2)
Language Learning Technologies
Informal Learning
Gender Lensing in Academia
Team Based Learning
Internationalization in Higher Education
Nursing Educational Experiences

Virtual Learning Experiences in Higher Education
m-Learning & Personal Learning Environments
Professional Development of Teachers (1)
English for Special Purposes
Up2U, Learning from Learners
Sustainability in Higher Education
Project and Problem Based Learning
Entrepreneurship Education
Programming and Coding Skills (1)

Learning Analytics
Flipped Learning (2)
Pre-service Teacher Experiences
Language Learning Experiences
Student Support in Higher Education
Active Learning in Engineering Education
Active Learning
University-Industry Cooperation
Programming and Coding Skills (2)

POSTER SESSIONS, 1st July 2019

New Trends in Education and Research

Pedagogical Innovations and Educational Issues

ORAL SESSIONS, 2nd July 2019

21st Century Skills
Serious Games & Game-Based Learning (1)
Educational Management
Student Support & Wellbeing
Intercultural Issues in Education
Secondary Education Experiences
ICT Skills and Digital Literacy
Research on Higher Education
Pedagogical Innovations in Education

Next Generation Classroom & Learning Space Design
Serious Games & Game-Based Learning (2)
Technology-Enhanced Learning (1)
Professional Development of Teachers (2)
Inclusive Education (1)
Primary Education Experiences
Digital Competences and Virtual Learning Experiences
Links between Education, Research and Innovation
Videos for Learning

Augmented and Virtual Reality
Serious Games & Game-Based Learning (3)
Technology-Enhanced Learning (2)
Professional Development of Teachers (3)
Teacher Training for Inclusive Education
Teacher Training in STEM
Digital Literacy
Curriculum Design
e-Learning Experiences (1)

e-Learning Platforms and Learning Management Systems
Gamification
Technology Enhanced Experiences in Special Education
Mathematics Education
Student Support & Inclusive Education
STEM Outreach Activities
e-Assessment
Work Based Learning
e-Learning Experiences (2)

New Trends in Learning Analytics
Blended Learning
Technology in Primary and Secondary Education
Business Education
Inclusive Education (2)
STEM Education
Assessment in Higher Education
Internships and Workplace Learning
e-Tutoring and Intelligent Tutoring Systems

POSTER SESSIONS, 2nd July 2019

New Experiences in Education

Emerging Technologies in Education

VIRTUAL SESSIONS

21st Century Skills
Academic Research Projects
Augmented Reality
Barriers to Learning
Blended Learning
Collaboration Projects and Networks
Computer Supported Collaboration
Curriculum Design and Development
Design Thinking and Creativity
Distance Learning
Diversity Issues, Women and Minorities
E-content Management and Development
e-Learning Projects and Experiences
Early Childhood and Preschool Education
Education and Globalization
Educational Management
Educational Software & Serious Games
Educational Trends and Best Practice Contributions
Emerging Technologies in Education
Enhancing Learning and the Undergraduate Experience
Ethical Issues in Education
Evaluation and Assessment of Student Learning
Flipped Learning
Game Based Learning
Higher and Further Education
ICT skills and Digital literacy
Impact of Education on Development
Language Learning Innovations
Leadership in Education
Learning and Teaching Methodologies
Learning by doing & Experiential Learning
Learning Management Systems (LMS)
Lifelong Learning
Links between Education and Research
Massive Open Online Courses (MOOCs)
Mobile and Tablet Technologies
Mobile Learning
Multicultural Education
New Experiences in Education
New Learning/Teaching Models
New projects and Innovations
New Trends in Education and Research
Organizational, Legal, Policy and Financial Issues
Pedagogical Innovations and Educational Issues
Pre-service and In-service Teacher Experiences
Primary and Secondary Education
Problem and Project-Based Learning
Quality Assurance and Accreditation
Research Methodologies
Special Education & Inclusive Learning
STEM in Education
Student Support in Education
Team-Based and Collaborative Learning
Technology-Enhanced Learning
The 2030 Agenda for Sustainable Development
The Bologna Declaration and ECTS Experiences
The Impact of Web Technologies on Education
Transferring Skills and Disciplines
Virtual Learning Environments (VLEs)
Virtual Reality and 3D Applications
Workplace Training and Employability Issues