18th International Conference on Cognition and Exploratory Learning in Digital Age CELDA 2021

CONFERENCE PROGRAM

IMPORTANT NOTICE: listed times are in GMT+1 (Lisbon Time), you can check your timezone at https://greenwichmeantime.com/time-zone/gmt-plus-1/ (you can use the provided URL to insert your location and see your time in relation to GMT+1).

Wednesday 13th, October 2021

09:45-10:00 Session O – Opening Session
OPENING SESSION
Prof. Demetrios G. Sampson, Dirk Ifenthaler and Pedro Isaías

10:00-11:00 Session KL – Keynote Presentation
“IS ROBOTICS IN EDUCATION THE RIGHT TOOL TO FACE THE FUTURE PIVOTAL CHALLENGES OF SOCIETY?”
Dr. David Scaradozzi, Department of Information Engineering, Università Politecnica delle Marche, Italy

11:05-12:25 Session FP 13.1
Virtual University
Chair: Matteo Sacchet
DEVELOPING AN ONLINE CURRICULUM FOR AN INTERNATIONAL AND INTER-DISCIPLINARY MASTER PROGRAMME. A CASE REPORT OF A DAAD FUNDED PROJECT IN GERMANY (S194)
Ly Lutter, Sabrina A. L. Frohn, Michaela Gabrielle Pizana Cruz and Tobias Thelen
EFFECTS OF THE LOCKDOWN ON PERCEIVED STRESS AND WELL-BEING: A STUDY ON ITALIAN UNIVERSITY IN THE FIRST PERIOD OF ISOLATION DUE TO COVID-19 (F136)
Oronzo Parlangeli, Paola Palmisano, Stefano Guidi, Ileana Di Pomponio, Margherita Bracci and Enrica Marchigiani
TOWARDS A USER FOCUSED DEVELOPMENT OF A DIGITAL STUDY ASSISTANT THROUGH A MIXED METHODS DESIGN (F137)
Katharina Schurz, Johannes Schrumpf, Felix Weber, Maren Lübeke, Funda Seyfeli and Klaus Wannenmacher

12:25-14:00 Lunch Break
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<td>VRBOTATOR: A VIRTUAL ROBOT FACILITATOR OF SMALL GROUP DISCUSSIONS FOR K-12 (S161)</td>
<td>Elinor Mizrahi, Noa Dancig and Goren Gordon</td>
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<td>SCHOOL EDUCATION IN A VIRTUAL SPACE: BETWEEN DAMAGE CONTROL, SCHOOL DEVELOPMENT AND INNOVATION (R126)</td>
<td>Annika Wilmers and Bettina Waffner</td>
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<td>POSTSYNAPTIC SIMULATOR: AN OPEN-SOURCE VISUAL INTERACTIVE SIMULATION FOR TEACHING ACTION POTENTIALS (F046)</td>
<td>Alexander Salgo, Galen O’Shea, Kim Hellemans and Jim Davies</td>
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<td>Student-centered Learning</td>
<td>Chair: John Hatcher III</td>
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<td>CAN A LEARNING ANALYTICS DASHBOARD PARTICIPATIVE DESIGN APPROACH BE TRANPOSED TO AN ONLINE-ONLY CONTEXT? (F142)</td>
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<td>PROMOTING SELF-REGULATED LEARNING STRATEGIES FOR FIRST-YEAR STUDENTS THROUGH THE COMPER SERVICE (F170)</td>
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<td>APPLY RESEARCH-SUPPORTED LEARNER-CENTERED PEDagogIES TO ENSURE ACADEMIC INTEGRITY AND STUDENT SUCCESS IN DIGITAL ENVIRONMENTS (R051)</td>
<td>Yang Gao</td>
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<td>PILOT STUDY OF THE RELATIONSHIP BETWEEN VOCABULARY ABILITY AND LEARNING PERFORMANCE FOR UNFAMILIAR KNOWLEDGE IN ONLINE VIDEO CLASSES (S155)</td>
<td>Kuriura Tamara</td>
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<td>Technology And Mental Models</td>
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11:00-12:30 Session FP 14.3
Student-centered Learning // Technology, Learning And Expertise
Chair: Said Hadjerrouit
A MULTI-LAYER ARCHITECTURE FOR AN E-LEARNING HYBRID RECOMMENDER SYSTEM (F080)
Lisa Roux, Pantxika Dagorret, Patrick Echeverry, Thierry Nodonot, Christophe Marquesuzua and Philippe Lopisteguy
UNDERSTANDING STUDENT SLIDE READING PATTERNS DURING THE PANDEMIC (F083)
Boxuan Ma, Min Lu and Shin'ichi Konomi
CRITERION VALIDITY AND RELIABILITY OF PERCEIVED STRESS SCALE (PSS) IN A STUDENT POPULATION DURING COVID-19 PANDEMIC (F186)
Anna Berardi, Ilaria Ruotolo, Giovanni Sellitto, Francescarobertha Panuccio, Antonella Polimeni, Donatella Valente, Marco Tofani and Giovanni Galeoto

11:00-12:40 Session FP 14.4
Technology, Learning And Expertise
Chair: Ileana Di Pomponio
MAXIMIZING THE POTENTIAL OF TRANSPARENT SIMULATIONS BY COMBINING PERFORMANCE GOALS WITH LEARNING GOALS AND EXPLORATORY GUIDANCE IN A DYNAMICALLY COMPLEX TASK (F158)
Carlos Capelo and Renato Pereira
ONLINE UNIVERSITY ORIENTATION MODELS FOR STUDENT TRANSITION BETWEEN SECONDARY AND TERTIARY EDUCATION (F212)
Francesco Floris, Marina Marchisio, Matteo Sacchet, Tiziana Margarita and Sergio Rabello
DOES THE LEVEL OF POLITENESS USED BY A SOCIAL ROBOT AFFECT CHILDREN’S LEARNING? (S207)
Hsiu-Feng Wang
ADAPTIVE RELEASE LEARNING PATHS TO MOTIVATE ACTIVE LEARNING AND ENGAGEMENT IN STUDENTS (S150)
Pavani Vemuri, Monique Snoeck and Stephan Poelmans

12:40 – 14:00 Break

14:00-16:00 Session FSP 14.5
Exploratory Technologies // Learning Communities & Web Service Technologies
Chair: Dirk Ifenthaler
360° VIDEO REFLECTION IN TEACHER EDUCATION: A CASE STUDY (F163)
Eric Tarantini
THE EFFECT OF SOCIAL CLOSENESS ON PERCEIVED SATISFACTION OF COLLABORATIVE LEARNING (F063)
Shihui Feng, Shuming Qiu, David Gibson and Dirk Ifenthaler
CREATING A MARKETPLACE OF IDEAS: EQUITY IN EDUCATION AND TECHNOLOGY DURING COVID-19 (S066)
John W. Hatcher III and Takashi Crum
A DIGITAL EDUCATIONAL GAME FOR PRACTICING OER EDITING (S235)
Lubna Ali, Vu Tuan Tran, Rene Roepke and Ulrik Schroeder
TEACHERS’ PERCEPTIONS REGARDING THE USE OF INTERACTIVE WHITEBOARDS TO ENHANCE ELEMENTARY LITERACY DEVELOPMENT (S135)
Takashi Crum and John W. Hatcher III

14:30-16:00 Session FSP 14.6
Assessment Of Exploratory Learning Approaches // Assessing Progress Of Learning In Complex Domains
Chair: Marco Garcia-Vaquero
EXPLORING NUMBAS FORMATIVE FEEDBACK FOR TEACHING AND LEARNING MATHEMATICS: AN AFFORDANCE THEORY PERSPECTIVE (F059)
Said Hadjerrouit and Celestine Ifeanyi Nnagbo
ACTION RESEARCH TO STUDY PROBLEM SOLVING SKILLS OF PRIMARY SCHOOL PHYSICS STUDENTS (F222)
Jörgen Ivar Sikk and Kairit Tammets
INTERNAL CONSISTENCY, RESPONSIVENESS AND MINIMAL DETECTABLE CHANGE OF THE TECO IN THE BACHELOR’S DEGREE COURSE IN PEDIATRIC NURSING AT THE “SAPIENZA” UNIVERSITY OF ROME: A CROSS SECTIONAL STUDY (F198)
Giovanni Galeote, Giuliana D’Elpidio, Rosaria Alvaro, Anna Maria Zicari, Donatella Valente and Marianna Riccio

16:00-16:15 Break
Friday 15th, October 2021

08:45-10:45 Session FP 15.1
Assessment Of Exploratory Technologies
Chair: Dirk Ifenthaler

USING ADAPTIVE MASTERY TESTING IN ASSESSMENT MANAGEMENT SYSTEMS (F071)
Muhittin Şahin, Furkan Aydın, Sema Sulak, Cennet Terzi Müftüoğlu, Mustafa Topcu, Gizem Karaoğlan Yılmaz, Ramazan Yılmaz and Halil Yurdugül

COMPUTATIONAL TECHNIQUES FOR DATA SCIENCE APPLIED TO BROADEN THE KNOWLEDGE BETWEEN CITIZEN SCIENCE AND EDUCATION (F156)
Miriam Calvera-Isabal, Nuria Varas and Patricia Santos

EXPLORING PREDICTING PERFORMANCE OF ENGINEERING STUDENTS USING DEEP LEARNING (F180)
Imran Zualkernan

EVALUATING VISUALIZATION FOR SLIDE-BASED INVESTIGATIVE LEARNING WITH CONNECTION BETWEEN PRESENTATION SLIDES (F200)
Mitsuhiro Goto and Akihiro Kashihara

10:45-11:00 Break

11:00-12:30 Session FSP 15.2
Learning Paradigms In Academia // Other
Chair: Elisa Roux

LESSON LEARNED FROM AN EXPERIENCE OF TEACHING SUPPORT IN HIGHER EDUCATION FOR A DIGITAL TRANSITION IN THE NEW SCENARIO CREATED BY COVID-19 (F146)
Barbara Bruschi, Francesco Floris, Marina Marchisio and Matteo Sacchet

DESIGN THINKING ONLINE: APPROACHING CONSTRUCTIVE LEARNING IN FOOD SCIENCE (S060)
Marco Garcia-Vaquero

LEARNER INTERACTIONS AND BEHAVIORAL PATTERNS IN ENTERPRISE MOOCS (S205)
Marc Egloffstein, Muhittin Şahin, Max Bothe, Tobias Rohloff, Nathanael Schenk, Florian Schwerer and Dirk Ifenthaler

SUSTAINABLE BLENDED TEACHING PRACTICES: LESSONS LEARNED FROM INSTRUCTOR PERSPECTIVES (S185)
Pavani Vemuri, Stephan Poelmans, Veerle van Rompaey, Yi-shan Tsai, Mark Brown and Dragan Gasevic

12:30 Best Paper Awards Ceremony and Closing Session
Profs. Demetrios G. Sampson, Dirk Ifenthaler and Pedro Isiáis