

MONDAY 3RD SEPT

EC-TEL



08:30-09:00	REGISTRATION			Level 7 Airport Lounge (Worsley Building)
09:00-10:45	Workshop: Co-Creation in the Design, Development and Implementation of Technology-Enhanced Learning (CC-TEL) Room 9.57 - Worsley Building	Workshop: Technology Enhanced Learning for Science, Technology, Engineering and Mathematics Education (TEL-STEM) Room 9.50 - Worsley Building	<u>Workshop: Developing an evidence-based institutional learning analytics policy</u> Room 9.53 - Worsley Building	<u>Doctoral Consortium</u> Room 9.58a - Worsley Building
10:45-11:15	COFFEE BREAK			Level 7 Airport Lounge (Worsley Building)
11:15-12:45	<i>Workshop: CC-TEL</i>	<i>Workshop: TEL-STEM</i>	<i>Workshop: Developing an evidence-based institutional learning analytics policy</i>	<i>Doctoral Consortium</i>
12:45-13:45	LUNCH & Registration			Level 7 Airport Lounge (Worsley Building)
13:45-15:15	<i>Workshop: CC-TEL</i>	<u>Workshop: Systems of Assessments for Computational Thinking Learning</u> Room 9.50 - Worsley Building		<i>Doctoral Consortium</i>
15:15-15:45	COFFEE BREAK			Level 7 Airport Lounge (Worsley Building)
15:45-17:30	<i>Workshop: CC-TEL</i>	<i>Workshop: Systems of Assessments for Computational Thinking Learning</i>		<i>Doctoral Consortium</i>

EC-TEL

TUESDAY 4TH SEPT



08:30-09:00	REGISTRATION			Level 7 Airport Lounge (Worsley Building)
09:00-10:30	Workshop: xAPI and beyond! Smart Approaches to Interoperability for Learning Analytics (SAILA) Room 9.57 - Worsley Building	Workshop: Designing Learning Amongst Complexity and Mobility (DL2.0) Room 9.53 - Worsley Building		
10:45-11:15	COFFEE BREAK			Level 7 Airport Lounge (Worsley Building)
11:15-12:45	<i>Workshop: SAILA</i>	<i>Workshop: DL2.0</i>		
12:45-13:45	LUNCH & Registration			Level 7 Airport Lounge (Worsley Building)
13:45-15:15	Workshop: Student-facing Learning Analytics: Principles for Design and Evaluation (SFLAP) Room 9.57 - Worsley Building	Workshop: Analytics for Everyday Learning Workshop (AFEL) Room 9.53 - Worsley Building	Workshop: 1st Workshop on the "Profession" in Technology-Enhanced Learning: Open Science (TELprofession) Room 9.50 - Worsley Building	Workshop: Unbundling and rebundling higher education using technology enhanced learning (URHE-TEL) Room 9.58a - Worsley Building
15:15-:15:45	COFFEE BREAK			Level 7 Airport Lounge (Worsley Building)
15:45-17:30	<i>Workshop: SFLAP</i>	<i>Workshop: AFEL</i>	<i>Workshop: TELprofession</i>	<i>Workshop: (URHE-TEL)</i>
18:00-19:00	EC-TEL FOOTBALL TOURNAMENT (players and spectators welcome)			Sports Hall 1
19:15-20:00	WELCOME DRINKS RECEPTION			Sports Hall 2



08:30-09:00	REGISTRATION			Sports Hall 2
09:00-09:15	CONFERENCE OPENING			Conference Auditorium 2
09:15-10:15	PROF ALLISON LITTLEJOHN Keynote			Conference Auditorium 2
10:15-10:30	DEMO PITCHES			Conference Auditorium 2
10:30-11:00	DEMOS & COFFEE BREAK			Sports Hall 2
10:50-11:00				Conference Auditorium 2 Healthcare Education Track Chairs: Gareth Frith and Sue Bickerdike
11:00-12:30	<p>Roger Stevens Lecture Theatre 4 Session 1A: Self-Regulated Learning Chair: Adolfo Fuiz Calleja</p> <p>Daniel Davis, Vasileios Triglianios, Claudia Hauff and Geert-Jan Houben. <i>SRLx: A Personalized Learner Interface for MOOCs</i> (full research paper)</p> <p>Jorge Maldonado-Mahauad, Mar Perez-Sanagustin, Pedro Manuel Moreno-Marcos, Carlos Alario-Hoyos, Pedro J. Muñoz-Merino and Carlos Delgado. <i>Kloos: Predicting Learners' Success in a Self-Paced MOOC Based on Sequence Patterns of Self-Regulated Learning</i> (full research paper)</p> <p>Renée S. Jansen, Anouschka van Leeuwen, Jeroen Janssen and Liesbeth Kester. <i>Validation of the revised Self-regulated Online Learning Questionnaire</i> (short research paper)</p> <p>Ronald Pérez-Álvarez, Mar Pérez-Sanagustín and Jorge Maldonado-Mahauad. <i>Tools to support Self-Regulated Learning in Online Environments: literature review</i> (full research paper)</p>	<p>Roger Stevens Lecture Theatre 6 Session 1B: Massive Open Online Courses Chair: Carlos Delgado Kloos</p> <p>Maartje Henderikx, Karel Kreijns and Marco Kalz. <i>A classification of barriers that influence intention achievement in Massive Open Online Courses</i> (full research paper)</p> <p>Mahdi Rahmani Hanzaki and Carrie Demmans Epp. <i>The effect of personality and course attributes on academic performance in MOOCs</i> (full research paper)</p> <p>Sepideh Mesbah, Guanliang Chen, Manuel Valle Torre, Alessandro Bozzon, Christoph Lofi and Geert-Jan Houben. <i>Towards User-Centric Online Learning Meta-Data: Concept Focus for MOOCs</i> (full research paper)</p> <p>Tobias Rohloff and Christoph Meinel. <i>Towards Personalized Learning Objectives in MOOCs</i> (full research paper)</p>	<p>Roger Stevens Lecture Theatre 8 Session 1C: Collaborative Learning Chair: Davinia Hernández-Leo</p> <p>Karel Kreijns and Paul A. Kirschner. <i>Extending the SIPS-model. A research framework for online collaborative learning</i> (full research paper)</p> <p>Kshitij Sharma, Jennifer Olsen, Vincent Aleven and Nikol Rummel. <i>Exploring Causality within Collaborative Problem Solving Using Eye-tracking</i> (full research paper) ★</p> <p>Mihai Masala, Stefan Ruseti, Gabriel Gutu-Robu, Traian Rebedea, Mihai Dascalu & Stefan Trausan-Matu. <i>Help Me Understand this Conversation: Methods of Identifying Implicit Links between CSCL Contributions</i> (full research paper) ★</p> <p>Mutlu Cukurova. <i>A syllogism for designing collaborative learning technologies in the age of AI and multimodal data</i> (short research paper)</p>	<p>10:50-11:00 Introduction to Healthcare Education Track. Professor Trudie Roberts –Director of Leeds Institute of Medical Education, University of Leeds & President of AMEE</p> <p>11:00 – 11:30 Presentation 1 - <i>Supporting Graduate Training in Healthcare Professions</i> Dr Neil Ralph – programme lead for TEL in NHS Health Education England</p> <p>11:30 – 12:30 Case Study Workshop 1 – Theme: <i>Teaching the Response to Acute illness using the RRAPID resources; Embedding Apps and Teaching across the curriculum</i> - Dr Sarah Champion (Leeds Teaching Hospitals Trust) - Dr Andrew Lewington (Consultant Renal Physician and Honorary Associate Professor – NHS – Leeds and University of Leeds), by video - Laura Smith (Clinical Skills Manager, University of Leeds), - Dr Sue Bickerdike (Learning Technologist, Leeds Institute of Medical Education) - Billy Holt and Scott Hemphill (Leeds Medical Students)</p>



12:30-13:30	<p>LUNCH</p> <p>Demos, Exhibition and Innovation Zone</p>			<p>Sports Hall 2</p>
13:30-14:30	<p>Roger Stevens Lecture Theatre 4 Session 2A: Learning Assessment Chair: Marcus Specht</p> <p>Bastiaan Heeren, Johan Jeuring, Sergey Sosnovsky, Paul Drijvers, Peter Boon, Sietske Tacoma, Brigitte Grugeon-Allys, Françoise Chenevotot, Jesse Koops, Armin Weinberger, Jorn van Wijk and Ferdinand van Walree. <i>Fine-grained cognitive assessment based on free-form input for math story problems</i> (full research paper)</p> <p>Faisal Ghaffar, Neil Peirce and Alec Serlie. <i>Assessing Leadership Competencies through Social Network Analysis</i> (full research paper)</p> <p>Yancy Vance Paredes, Sharon Hsiao, David Azcona and Alan Smeaton. <i>Learning by Reviewing Paper-based Programming Assessments</i> (full research paper) ★</p>	<p>Roger Stevens Lecture Theatre 6 Session 2B: Learning Analytics Chair: Sergey Sosnovsky</p> <p>Giora Alexandron, José A. Ruipérez Valiente, Sunbok Lee and David Pritchard. <i>Evaluating the Robustness of Learning Analytics Results Against Fake Learners</i> (full research paper)</p> <p>Justian Knobbout and Esther van der Stappen. <i>Where is the Learning in Learning Analytics? - A Systematic Literature Review to Identify Measures of Affected Learning</i> (full research paper)</p> <p>Vlatko Lukarov and Ulrik Schroeder. <i>Learning Analytics Case Study in Blended Learning Scenarios</i> (full practitioner paper)</p>	<p>Roger Stevens Lecture Theatre 8 Session 2C: Social Learning & Knowledge Sharing Chair: Christian Glahn</p> <p>Karel Kreijns, Joshua Weidlich and Kamakshi Rajagopal. <i>The psychometric properties of a preliminary social presence measure using Rasch analysis</i> (full research paper)</p> <p>Stian Håkleiv, Kshitij Sharma, James D. Slotta and Pierre Dillenbourg. <i>Semantically meaningful cohorts enable specialized knowledge sharing in a collaborative MOOC</i> (full research paper)</p> <p>Valter Neto, Vitor Rolim, Rafael Ferreira, Vitomir Kovanovic, Dragan Gasevic, Rafael Dueire and Rodrigo Lins. <i>Automated Analysis of Cognitive Presence in Online Discussions Written in Portuguese</i> (full research paper)</p>	<p>Conference Auditorium 2 Chairs: Gareth Frith & Sue Bickerdike</p> <p>13:30 – 14:00 Presentation 2: Use of VR in Surgery Training. -Tom Pike</p> <p>14:00 – 15:00 Case Study WorkShop 2 – Use of TEL in Medicine and Health Education and Training Chaired by Chris Munsch, Chair of TEL programme NHS Health Education England</p> <p>-<u>Study 1</u>: <i>SafePat - Developing excellence in patient safety in cross-border regions through standardised procedures, policies and innovative tools.</i> Prof Hendrik Drachsler – German Institute for International Educational Research (DIPF).</p>
14:45-15:45	<p>Roger Stevens Lecture Theatre 4 Session 3A: Technology Enhanced Medical Education Chair: Trudie Roberts</p> <p>Laura Smith, Rebecca O'Rourke, Memory Van Beek, Rania Alkhadragy and Suzanne Bickerdike. <i>Local and global dimensions of a clinical skills e-book development project</i> (short practitioner paper)</p> <p>Riccardo Mazza, Giulio Tavarnesi, Nadia Catenazzi, Salvatore Vanini, Luca Ambrosini, Don Tuggener and Andrea Laus. <i>Learning with virtual patients in medical education</i> (full practitioner paper)</p> <p>Tobias Rohloff, Heini Utunen, Jan Renz, Yu Zhao, Gaya Gamhewage and Christoph Meinel. <i>OpenWHO: Integrating Online Knowledge Transfer into Health Emergency Response</i> (full practitioner paper)</p>	<p>Roger Stevens Lecture Theatre 6 Session 3B: Learners' Behaviour Models Chair: Tobias Ley</p> <p>Jakub Kužílek, Jonas Vaclavek, Viktor Fuglik and Zdenek Zdrahal. <i>Student drop-out modelling using Virtual Learning Environment behaviour data</i> (short research paper)</p> <p>Mihai Dascalu, Ionut Cristian Paraschiv, Danielle McNamara and Stefan Trausan-Matu. <i>Towards an Automated Model of Comprehension – AMoC</i> (full research paper)</p> <p>Sergey Sosnovsky, Laurens Müter, Marc Valkenier, Matthieu Brinkhuis and Abe Hofman. <i>Detection of Student Modelling Anomalies</i> (short research paper) ★</p>	<p>Roger Stevens Lecture Theatre 8 Session 3C: Innovative Learning Infrastructures Chair: Ralf Klamma</p> <p>Jan Schneider, Daniele Di Mitri, Bibeg Limbu and Hendrik Drachsler. <i>Multimodal Learning Hub: a tool for capturing customizable multimodal learning experiences</i> (full research paper)</p> <p>Peter de Lange, Bernhard Göschlberger, Tracie Farrell and Ralf Klamma. <i>A Microservice Infrastructure For Distributed Communities of Practice</i> (full research paper)</p> <p>Sambit Praharaaj, Maren Scheffel, Hendrik Drachsler and Marcus Specht. <i>Multimodal Analytics for Real-time Feedback in Co-located Collaboration</i> (full research paper)</p>	<p>-<u>Study 2</u>: <i>Introducing Ultrasound to undergraduate medical teaching.</i> Dr Richard Wakefield – Senior Lecturer/Honorary Consultant in Rheumatology, Institute Co-Director for Student Education – Leeds University and Leeds Teaching Hospitals Trust.</p> <p>-<u>Study 3</u>: <i>Synap – Building and sharing Revision questions for students.</i> Dr James Gupta.</p> <p>15:00 – 15:50 Case Study Workshop 3: Distance and Personalised Learning</p> <p>-<u>Study 1</u>: <i>FutureLearn™</i> – Helen Fuller – 30 mins</p> <p>-<u>Study 2</u>: <i>AIPatient</i> – Scott Martin 20 mins</p>



15:45-16:15	COFFEE BREAK Demos, Exhibition and Innovation Zone			Sports Hall 2
16:15-17:15	<p>Roger Stevens Lecture Theatre 4 Session 4A: Dashboards and visualizations Chair: Peter Brusilovsky Susan Bull, Peter Brusilovsky and Julio Guerra. <i>Which Learning Visualisations to Offer Students?</i> (short research paper)</p> <p>Tamsin Treasure-Jones, Rosie Dent-Spargo and Sisira Dharmaratne. <i>How do students want their feedback visualised in order to support self-regulated learning? Initial results & reflections from a co-design study in medical education</i> (full practitioner paper)</p> <p>Tom Broos, Katrien Verbert, Greet Langie, Carolien Van Soom and Tinne De Laet. <i>Low-investment, Realistic-Return Business Cases for Learning Analytics Dashboards: Leveraging Usage Data and Microinteractions</i> (short research paper)</p>	<p>Roger Stevens Lecture Theatre 6 Session 4B: Design of MOOCs and OpenCourseWare platforms Chair: Maren Scheffel Mirette Elias, Abi James, Edna Ruckhaus, Mari Carmen Suárez-Figueroa, Klaas Andries de Graaf, Ali Khalili, Benjamin Wulff, Steffen Lohmann and Sören Auer. <i>SlideWiki - Towards a Collaborative and Accessible Platform for Slide Presentations</i> (full practitioner paper)</p> <p>-Ruth Kerr and Valentina Reda. <i>How MOOCs can make a difference</i> (full practitioner paper)</p> <p>-Yue Zhao, Tarmo Robal, Christoph Lofi and Claudia Hauff. <i>Can I have a Mooc2Go, please? On The Viability of Mobile vs. Stationary Learning</i> (full research paper) ★</p>		<p>Conference Auditorium 2 Chairs: Gareth Frith & Sue Bickerdike 16:15 – 17:00 Case Study Workshop 4: Using AR and VR for medical education and training.</p> <p>Case Study: A Virtual Reality Tour of Histopathology Labs and Procedures Steve Dann – Medical Realities Ltd and Co-Chair AR / VR Association UK Dr Sue Bickerdike - Leeds Institute of Medical Education</p> <p>HEALTHCARE EDUCATION TRACK CLOSING KEYNOTE 17:00 – 17:45 <i>The future of Surgical Training using Virtual Reality</i> Professor Shafi Ahmed</p>
17:30-18:30	<p>Roger Stevens Lecture Theatre 4 Session 5A: Technology Enhanced Learning in STEM Chair: Andreas Papasalouros Otávio Azevedo, Felipe de Moraes and Patricia Jaques. <i>Exploring Gamification to Prevent Gaming the System and Help Refusal in Tutoring Systems</i> (full research paper)</p> <p>Valeria Henríquez, Eliana Scheihing and Marta Silva. <i>Incorporating blended learning processes in K-12 mathematics education through BA-Khan platform</i> (full research paper)</p>	<p>Roger Stevens Lecture Theatre 6 Session 5B: Learners' learning strategies Chair: Marco Kalz John Saint, Dragan Gasevic and Abelardo Pardo. <i>Detecting Learning Strategies Through Process Mining</i> (full research paper)</p> <p>Kshitij Sharma, Katerina Mangaroska, Halvard Trætteberg, Serena Lee-Cultura and Michail Giannakos. <i>Evidence for programming strategies in university programming Assignments</i> (full research paper)</p>	<p>Roger Stevens Lecture Theatre 8 Session 5C: Workplace and Context-based Learning Chair: Viktoria Pammer-Schindler Carrie Demmans Epp, Joe Horne, Britney Scolieri, Irene Kane and Amy Bowser. <i>PsychOut! A Mobile App to Support Mental Status Assessment Training</i> (full research paper)</p> <p>Richard Glassey, Mattias Wiggberg & Philipp Haller. <i>Agile and Adaptive Learning via the ECK Model in the Software Development Academy</i> (full pract. paper)</p> <p>Tamsin Treasure-Jones, Raymond Elferink, Carlos Martinez and Gilbert Pepper. <i>Creating a place for learning – bridging physical and virtual learning spaces at conferences</i> (full pract. paper)</p>	17:45 – 18:00 Summary and Close
19:30	GALA RECEPTION & DINNER including EC-TEL awards, entertainment and opportunity to browse gallery			Royal Armouries



09:00-10:00	DAVID WORTLEY Keynote			Conference Auditorium 2
10:00-10:15	INDUSTRY PITCHES			Conference Auditorium 2
10:15-10:45	COFFEE BREAK			Sports Hall 2
10:45-12:30	ePOSTER BARCAMP Full list of presenters and EC-TEL ePoster Showcase			Sports Hall 2
12:30-14:00	LUNCH and EATEL AGM			Sports Hall 2
14:00-15:30	<p>Roger Stevens Lecture Theatre 4 Session 6A: Learning design Chair: Mar Pérez-Sanagustín Ghita Jalal, Valentin Lachand, Aurélien Tabard and Christine Michel. <i>How teachers prepare for the unexpected: bright spots and breakdowns in enacting pedagogical plans in class</i> (full research paper)</p> <p>Laia Albó and Davinia Hernández-Leo. <i>Identifying design principles for learning design tools: the case of edCrumble</i> (short research paper)</p> <p>Marcel Schmitz, Maren Scheffel, Evelien van Limbeek, Nicolette van Halem, Ilja Cornelisz, Chris van Klaveren, Roger Bemelmans and Hendrik Drachsler. <i>Investigating the relationships between online activity, learning strategies and grades to create learning analytics-supported learning designs</i> (full research paper)</p> <p>Marcel Schmitz, Maren Scheffel, Evelien van Limbeek, Roger Bemelmans and Hendrik Drachsler. <i>"Make it personal!" – Gathering input from stakeholders for an Learning Analytics-supported Learning Design tool</i> (full research paper)</p>	<p>Roger Stevens Lecture Theatre 6 Session 6B: Learning Adaptation and Personalization Chair: Peter de Lange Bilal Yousuf, Athanasios Staikopoulos and Owen Conlan. <i>Motivating students to enhance their knowledge levels through personalized and scrutable visual narratives</i> (full research paper)</p> <p>Hung Chau, Jordan Barria-Pineda and Peter Brusilovsky. <i>Course-Adaptive Content Recommender For Course Authoring</i> (full research paper)</p> <p>Pierre Laforcade and Youness Laghouaouta. <i>Supporting the adaptive generation of learning game scenarios with a Model-Driven Engineering framework</i> (full research paper)</p>	<p>Roger Stevens Lecture Theatre 8 Session 6C: Learning Programming and Robotics Chair: Julien Broisin Andri Ioannou, Chrysanthos Socratous and Eleni Nicolaedou. <i>Expanding the Curricular Space with Educational Robotics: A Creative Course on Road Safety</i> (full research paper)</p> <p>Ken Kahn, Rani Megasari, Erna Piantari and Enjun Junaeti. <i>AI Programming by Children using Snap! Block Programming in a Developing Country</i> (full practitioner paper)</p> <p>Paolo Musmarra. <i>Reflections on Teaching App Inventor: Challenges and opportunities</i> (short practitioner paper)</p> <p>Vaso Constantinou and Andri Ioannou. <i>Development of Computational Thinking Skills through Educational Robotics Courses in Primary and Secondary Schools</i> (full practitioner paper)</p>	<p>Conference Auditorium 2 Industry Interactive Engagement Chair: Lucia Pannese</p> <p>Ray Hassell (mediasite) <i>Beyond the Tech - How Video Drives Success on Campus</i></p> <p>Lucia Pannese (imaginary) <i>Discovering Knowledge - From Treasure Hunt to Simulation and Back</i></p> <p>Helen Fuller (FutureLearn) <i>Skills - the 4th Pillar to the FutureLearn Pedagogy</i></p>
15:30-16:00	COFFEE BREAK			Sports Hall 2
16:00-17:00	PROF CAROLYN P ROSÉ Keynote			Conference Auditorium 2
17:00-17:30	CLOSING CEREMONY			Conference Auditorium 2