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Conference Program

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time format: [24 hours] [12 hours AM/PM]

Sunday, June 24th 2018

DOC 0a (12:00 - 17:00) Doctoral Consortium A

chair: Don Passey
Ars
Electronic
Center
(Upper
floor)

With the participation of: • Prof Dr Christine Bescherer, University of Education Ludwigsburg, Germany • Dr Jaana Holvikivi, Helsinki Metropolia University of Applied Sciences, Finland • Dr Keith Turvey, University of Brighton, UK Stefan Pasterk. Analysis and Comparison of Computer Science Curricula and Project Content in Primary and Secondary Education Eleanor Overland. Computing Curriculum Policy – The implications for Teachers in English Secondary Schools Elisa Recí. The Impact of the Teaching Process on the Quality of Teaching Marisol Santacruz. Paths of reflexive selection of digital resources to teach geometry by elementary teachers Maud Plumettaz-Sieber. Teaching Computer Science with Games Toward Knowledge Institutionalization

25 Rasha Essam (EG): A professional development programme in reference to Laurillard's conversational framework for supporting teachers in the design, development, and implementation of CSCL activities

Presenter: Essam, Rasha

48 Maud Plumettaz-Sieber (CH): Teaching Computer Science with Games - Toward Knowledge Institutionalization

Presenter: Plumettaz-Sieber, Maud

49 Cathy Brady (GB): Spontaneous Speech using Skype - From Language Learners to Language Users – how using online video calling can support spoken language in Modern Languages classrooms in England - a longitudinal study.

Presenter: Brady, Cathy

52 Elisa Recí (AT): The Impact of the Teaching Process on the Quality of Teaching

Presenter: Recí, Elisa

58 Eleanor Overland (GB): Computing Curriculum Policy – The implications for Teachers in English Secondary Schools

Presenter: Overland, Eleanor

59 Elisabete Pires (PT): Programming in new environments: challenges and the future of innovation. - The Internet of Things (IoT) start with the students

Presenter: Pires, Elisabete

63 Marisol Santacruz (CO): Paths of reflective selection of digital resources to teach geometry by elementary teachers

Presenter: Santacruz, Marisol

67 Stefan Pasterk (AT): Analysis and Comparison of Computer Science Curricula and Project Content in Primary and Secondary Education

Presenter: Pasterk, Stefan

70 Daniel Siebrecht (DE): Source code as informatical form of representation - Didactical analysis of textual in contrast to graphical programmes

Presenter: Siebrecht, Daniel

Monday, June 25th 2018

DOC 0b (08:30 - 12:00) Doctoral Consortium B

chair: Don Passey
Room SR;
(2nd floor)

With the participation of: • Prof Dr Christine Bescherer, University of Education Ludwigsburg, Germany • Dr Jaana Holvikivi, Helsinki Metropolia University of Applied Sciences, Finland • Dr Keith Turvey, University of Brighton, UK Elisabete Pires. Programming in new environments: challenges and the future of innovation Daniel Siebrecht. Source code as informatical form of representation—Didactical analysis of textual in contrast to graphical programmes Rasha Essam. A professional development programme in reference to Laurillard's conversational framework for supporting teachers in the design and implementation of CSCL activities Cathy Brady. Spontaneous speech using Skype: From Language Learners to Language Users – how using online video calling can support spoken language in Modern Languages classrooms in England – a longitudinal study

REG (10:00 - 12:30) Registration

2nd Floor

OC (12:30 - 13:30) Opening Ceremony

Main Hall

Welcome to OCCE!

Anton Knierzinger (Organizing Committee)

Sindre Røsvig (IFIP TC3)

Ronald Bieber (Managing Director of the Austrian Computer Society)

Gerald Futschek (Austrian Delegate in IFIP TC 3)

Regina Fechter-Richtinger (Representing the Major of Linz)

Doris Lang-Mayerhofer (Councilor for Culture and Tourism, Linz)

Official Opening:

Heidrun Strohmeier (Representing the Minister of Education, Science and Research)

Introduction to the conference:

Cathy Lewin & Eric Sanchez (IPC co-chairs)

FPS 1.1 (13:30 - 15:00) Fullpaper Session 1.1

chair: Lawrence Williams
SR-2 (2nd
Floor)

22 Sayaka Tohyama (JP), Yugo Takeuchi: How to Improve Children's Understanding of Code? - A Preliminary Study using the Jigsaw Method for Computer Programming in Elementary School

Presenter: Tohyama, Sayaka

- 61 Amir Mujkanovic (AT)**, Andreas Bollin: Personality-based Group Formation - A Large-Scale Study on the Role of Skills and Personality in Software Engineering Education
Presenter: Bollin, Andreas
- 47 Yoshiaki Matsuzawa (JP)**, Kazuyoshi Murata, Seiichi Tani: Multivocal Challenge toward Measuring Computational Thinking: Bebras Challenge vs Computer Programming
Presenter: Matsuzawa, Yoshiaki
- FPS 1.2** (13:30 - 15:00) **Fullpaper Session 1.2** chair: Raymond Morel GS
- 24 Jaana Holvikivi (FI)**, Leenu Juurola, Maija Nuorteva: Collaboration platform for public and private actors in educational games development
Presenter: Holvikivi, Jaana
- 34 Mary Webb (GB)**, Megan Tracey, William Harwin, Ozan Tokatli, Faustina Hwang, Ros Johnson, Natasha Barrett, Chris Jones: An investigation of the importance of haptics for promoting understanding of difficult concepts
Presenter: Webb, Mary
- 74 Eric Sanchez (CH)**, Sylvia Mueller, Nicolas Kramar, Antoine Widmer, Elsa Paukovics: Students' Conducts during a Digital Game-Based Museum School Visit
Presenter: Sanchez, Eric
- FPS 1.3** (13:30 - 15:00) **Fullpaper Session 1.3** chair: Andrew Fluck P-A (1st Floor)
- 41 Mathew Hillier (AU)**, Nathaniel Lyon: Writing e-Exams in pre-university college
Presenter: Hillier, Mathew
- 62 Bastian Küppers (DE)**, Ulrik Schroeder: Students' Perception of e-Assessment - A Case Study from Germany
Presenter: Küppers, Bastian
- 75 Nikoleta Yiannoutsou (CY)**, Nuno Otero, Wolfgang Mueller, Stalo Neofytou, Miltos Miltiadous, Thanasis Hadzilacos: Hanging Pictures or Searching the Web: Informing the design of a decision-making system that empowers teachers to appropriate educational resources to their school's infrastructure
Presenter: Yiannoutsou, Nikoleta
(15:00 - 15:30) **coffee break** 2nd Floor
- AUP** (15:30 - 17:00) **Austrian Projects** Main Hall

We need to address the omnipresence of digital technologies, their increasing accessibility and power to shape action and perception, through the development of learners' understanding and application of creativity, computational thinking, media literacy and digital citizenship. This endeavor is not simple about adaptation to a new technology and its associated culture. It is a big challenge for education systems.

This session will give you an overview about ideas, projects and strategies how digital education is implemented in the Austrian education system. Among all the projects currently running in our country we have selected projects which might be of interest to an international audience. We hope this will be a starting point for a fruitful discussion through the whole conference.

Austrian projects has two parts. First we start with a plenary session where seven projects will be presented. Afterward we will give the chance for personal talks with the presenters within the framework of the Austrian Projects Forum.

Speakers:

Martin Bauer: "eEducation Austria -digital competences for all"
Head of department IT/4, IT-Didactics and Digital Media at the Austrian Federal Ministry of Education, Science and Research

Johann Stockinger:"ECDL – Computing and Robotics Module"
Senior Researcher
Austrian Computer Society

Astrid Leeb: "Education Group - Professional Support for Teachers"
Head of EduResearch

Wolfgang Rauter: "The Seamless Learning Project" -
Researcher at the Department of Interactive Media and Educational Technologies an Danube University Krems

Markus Hohenwarter: "GeoGebra - A free math apps that created a global community."
School of Education at Johannes Kepler University Linz

Marlene Miglbauer: "Virtuelle PH"
Deputy Head of Virtuelle PH at University College of Education Burgenland

Gerhard Nussbaum: "AsTeRICS and 4D-Joystick"
ViceCEO and CTO at Competence Network Information Technology to Support the Integration of People with Disabilities

- AUF** (17:00 - 18:00) **Austrian Forum** Main Hall
Austrian Projects Forum
Informal discussions with the presenters of the Austrian Projects.
- WG 3.3** (17:00 - 18:30) **Working Group 3.3** P-A (1st Floor)
- WG 3.4** (17:00 - 18:30) **Working Group 3.4** P-B (1st Floor)
- WR** (19:00 - 21:30) **Welcome Reception** Ars
Electronic
Center

In the lobby of Ars Electronica Center. All participants of OCCE.2018 are invited to join the reception.

Tuesday, June 26th 2018

- (08:30 - 09:00) **Start THU** 2nd Floor
- K1** (09:00 - 10:00) **Keynote 1** chair: Eric Sanchez Main Hall
Empowering students for Learning in the Digital Age through effective use of IT in education

There is a general agreement around the world for the necessity to teach students the skills that will empower them as learner, citizen and practitioner in the digital age. Though digital technology has been introduced in schools and universities more than one decade ago, it remains in many cases underused or used in a different way than planned. In addition, whereas stakeholders are usually enthusiastic for new technology, educational practitioners remain skeptical or even reluctant. Using the technology acceptance model as a general frame of reference, this talk will address 3 questions : How to empower

teachers for an effective use of technology in education? How should technology be used to empower students? How should educational technology evolve to more easily integrated in education? The talk will be illustrated by recent research findings from the TECFA lab.

- chr 2** (10:00 - 10:30) **coffee break** 2nd Floor
- DOC 1a** (10:30 - 12:00) **Doctoral Consortium 1** Room SR2 (2nd floor);
chair: Don Passey
- Poster session
- FPS 2.1** (10:30 - 12:00) **Fullpaper Session 2.1** P-A (1st Floor)
chair: Therese Keane
- 33 Riko Kelter (DE)**, Matthias Kramer, Torsten Brinda: Teachers' perspectives on object-oriented programming environments for secondary education
Presenter: Kelter, Riko
- 46 Fatima Djelil (FR)**, Eric Sanchez, Pierre-Alain Muller: Investigating Learner's Behaviours when Interacting with a Programming Microworld - An Empirical Study Based on Playing Analytics
Presenter: Djelil, Fahima
- 50 Monica Banzato (IT)**, Paolo Tosato: Exploratory Study on the Effort Perceived by In-service K12 Teachers from Scientific Areas not Specialized in CS and Complete CS Novices
Presenter: Banzato, Monica
- FPS 2.2** (10:30 - 12:00) **Fullpaper Session 2.2** GS
chair: Lawrence Williams
- 76 Toshinori Saito (JP)**: Reflecting on educational support for learning computing among socially disadvantaged youths - How did it work in terms of human development in a developed country?
Presenter: Saito, Toshinori
- 5 Amber McLeod (AU)**, Kelly Carabott: Who's teaching the teachers? - Viewing the ICT content of a teaching degree through the eyes of pre-service teachers
Presenter: McLeod, Amber
- 73 Elisa Recci (AT)**, Andreas Bollin: A Teaching Process Oriented Model for Quality Assurance in Education - Usability and Acceptability
Presenter: Recci, Elisa
- Lun 1** (12:00 - 13:00) **Lunch break** 2nd Floor
- AUS 1** (13:00 - 14:30) **Austrian Panel 2** GS
ICT and Vocational Education
- Co-Chairs:
Jaana Holvikivi - IFIP
Wilfried Nagl - AT
- Members:
Ronald Bieber - OCG
Dr. Sabine Huber - INTEL
- Abstract:**
Today, young people face a challenging situation. Whilst they have the opportunity to benefit from powerful digital technologies which open up new learning opportunities they also need to deal with handling and making sense of such devices in their professional life.
- Digital technologies also enable young people to re-invent their world and society through being active creators and producers rather than passive consumers of knowledge and information. At the same time, the job market is shifting and young people now require a range of digital skills to meet employers' needs. There is currently a lack of clarity regarding what those skills should be when digital technology will be part of nearly all of our work.
- We will discuss ICT in vocational education seen not only as challenge for schools with technical or commercial background, not only the demand coming from industry but as a personal chance for our students and a societal challenge because education can be seen as the mechanism to trigger the impact of technology in our society.
- Austrian Panels is a series of sessions within OCCE.2018 dealing with the topics which the Austrian government will be introduce into the Austrian EU Presidency in the second six month of 2018. From the results of this panels in combination with expertise within IFIP TC3 position papers will be produced and provided to the decision makers.
- FPS 3.1** (13:00 - 14:30) **Fullpaper Session 3.1** SR-2 (2nd Floor)
chair: Gerald Futschek
- 23 Andrew Fluck (AU)**, Christopher Chin, Dev Ranmuthugala: Transformative Computational Thinking in Mathematics - A comparison by student age
Presenter: Fluck, Andrew
- 56 Andreas Bollin (AT)**, Peter Micheuz: Computational Thinking on the Way to a Cultural Technique - A Debate on Lords and Servants
Presenter: Bollin, Andreas
- 69 Jo-Yu Lee (TW)**, Mary Webb, Sue Sentance: A Case Study of Undergraduate Student's Perception of Creativity in Computer Animation in Taiwan
Presenter: Lee, Jo-Yu
- SYM 1** (13:00 - 14:30) **Symposium 1** P-A (1st Floor)
- 35 Kwok-Wing Lai (NZ)**, Amina Charania, Margaret Cox, Cathy Lewin, Don Passey, Barry Quinn, Roger Sherman, Mary Webb, Toshinori Saito, Miriam Judge: Rethinking learning in the digital age: Implications for the Learner
Presenter: Lai, Kwok-Wing
- (14:30 - 15:00) **coffee break** 2nd Floor
- CPS 1** (15:00 - 16:30) **Case Presentation 1** GS
chair: Anton Knierzinger
- 37 Chris Shelton (GB)**: Learning Computational Thinking: Analysing instructional videos
Presenter: Shelton, Chris
- 65 Ryszard Gajewski (PL)**: Motivation Towards Learning Computational Thinking - Tertiary Education Case Study
Presenter: Gajewski, Ryszard
- 36 Lawrence Williams (GB)**, Lloyd Mead, Paul Sebuliba, Beth Mead: A Cross-agency project, for Occupational Therapists and Further Education students with language and learning difficulties and disabilities, based on Healthy Eating recipes, undertaken at Lambeth College, south London, using Scratch 2.1 to develop computa
Presenter: Williams, Lawrence
- DOC 2a** (15:00 - 16:30) **Doctoral Consortium 2** Room TB1
chair: Don Passey
'Publishing from your doctorate' - run by Dr Keith Turvey, University of Brighton, UK
- FPS 4.1** (15:00 - 16:30) **Fullpaper Session 4.1** P-A (1st Floor)
chair: Sue Cranmer
- 53 Hana Voňková (CZ)**, Miroslava Černočková, Hasan Selcuk, Jan Hrabák, Kateřina Králová: The application of anchoring vignettes in the analysis of self-assessment of ICT skills: - A pilot study among Czech secondary school students
Presenter: Černočková, Miroslava

66	Maina WaGioko (KE) , Louisa Kadzo: CURRICULUM REFORMS FOR EMBEDDING DIGITAL LITERACY IN KENYA SCHOOLS - Curriculum Development Status <i>Presenter:</i> WaGioko, Maina	
40	Mathew Hillier (AU) , Nathaniel Lyon: Student experiences with a bring your own laptop e-Exam system in pre-university college <i>Presenter:</i> Hillier, Mathew	
SPS 1	(15:00 - 16:30) Short Paper Session	SR-2 (2nd Floor)
28	Halvdan Haugsbakken (NO) : Using digital storytelling in online course design to challenge funnel participation in MOOCs <i>Presenter:</i> Haugsbakken, Halvdan	
44	Halvdan Haugsbakken (NO) , Inger Langseth: Designing a MOOC Action-Task-Force <i>Presenter:</i> Haugsbakken, Halvdan	
71	Matthias Ehlenz (DE) , Thiemo Leonhardt, Ulrik Schroeder: A Learning Analytics Approach in Web-based Multiuser Learning Games - Towards a learner-centric analytics <i>Presenter:</i> Ehlenz, Matthias	
empty	(17:00 - 18:30) res.	
WG 3.1	(17:00 - 18:30) Working Group 3.1	P-A (1st Floor)
WG 3.7	(17:00 - 18:30) Working Group 3.7	P-B (1st Floor)
DIN	(19:00 - 21:30) Conference dinner	Restaurar Klosterhof (in front of the conference building)

Wednesday, June 27th 2018

	(08:30 - 09:00) Start WED	2nd Floor
K2	(09:00 - 10:00) Keynote Gerfried Stocker Education for an unemployed - free future <i>chair:</i> Anton Knierzinger	Main Hall
chr 3	(10:00 - 10:30) coffee break	2nd Floor
CPS 2	(10:30 - 12:00) Case Presentation 2 <i>chair:</i> Torsten Brinda	P-B (1st Floor)
72	Daniel Siebrecht (DE) , Kathrin Haselmeier: The idea of a common European framework of reference for informatics <i>Presenter:</i> Siebrecht, Daniel	
64	Paul Nleya (BW) : Inclusive education - assistive and adaptive technology provision in developing countries. - The case of Botswana primary and secondary schools. <i>Presenter:</i> Nleya, Paul	
45	Manuel Reisinger (AT) , Barbara Sabitzer: Cross-curricular Digital Literacy Strategy - A Learner and Teacher Project <i>Presenter:</i> Reisinger, Manuel	
FPS 5.1	(10:30 - 12:00) Fullpaper Session 5.1 <i>chair:</i> Kwok-Wing Lai	GS
2	KLEOPATRA NIKOLOPOULOU (GR) : Motivation and mobile devices' usage at school: Pupils' opinions <i>Presenter:</i> NIKOLOPOULOU, KLEOPATRA	
9	Bent Andresen (DK) : Digital disruption in youth education in Denmark <i>Presenter:</i> Andresen, Bent	
81	Mr Dean von Schoultz (ZA) , Professor Kerry-Lynn Thomson, Professor Johan van Niekerk: A Personal Informatics Approach for Academic Internet Self-efficacy in a South African University <i>Presenter:</i> von Schoultz, Mr Dean	
UN	(10:30 - 12:00) UNESCO Meeting (invitation-only)	P-C (1st Floor)
	BY INVITATION ONLY !!!	
Lun 2	(12:00 - 13:00) Lunch break	2nd Floor
FC	(12:30 - 13:00) Fireside chat	
83	Shaun Nykvist (AU) , Christopher Blundell, Michelle Mukherjee: Active learning through creative inquiry: What are the challenges? <i>Presenter:</i> Nykvist, Shaun	
AUS 2	(13:00 - 14:30) Austrian Panel 1 Implementation Strategies for ICT in Education Panel: Co-chairs: Raymond Morel Anton J. Knierzinger Members: Bent Andresen Kleopatra Nikolopoulou Davide Stori Stefan Länge	GS
	Abstract: The strategies for implementing ICT, digital media, computational think and all the other aspects needed to prepare education for the digital age are manifold and of different success. In the session we will discuss the situation from a global perspective based on examples of good practice presented by the panelists. Content, didactic approach, means of integration into school and influence of education on the impact of technology in our society are aspects to be discussed. We will speak about the role and the importance of teachers in the process and we will try to find the bottlenecks and present success stories. The target of the session is to identify the most important factors of success and to find the suitable ways which can lead to what is stated in the title of the conference „Empowering Learners for Life in the Digital Age“.	
FPS 6.1	(13:00 - 14:30) Fullpaper Session 6.1 <i>chair:</i> Cathy Lewin	P-A (1st Floor)

<p>21 Veruska De Caro-Barek (NO): Innovation in language teaching and learning: What do we need to make a MOOC for language learning genuinely innovative? - Sharing work in progress experiences as a MOOC developer at NTNU, Trondheim, Norway <i>Presenter:</i> De Caro-Barek, Veruska</p> <p>20 Rasha AIOkaily (IQ): The Role of Audiovisual Translation in Mediating Foreign Language Learning - Activity Theory Perspective <i>Presenter:</i> AIOkaily, Rasha</p> <p>79 Sue Cranmer (GB): Disabled children's digital use practices to support formal learning. <i>Presenter:</i> Cranmer, Sue</p>	<p>SR-2 (2nd Floor)</p>
<p>SYM 2a (13:00 - 14:30) Symposium 2a</p>	
<p>38 Mary Webb (GB), Charoula Angeli, Christine Bescherer, Ivan Kalaš, Amelie Labusch, Yaacov Katz, Peter Micheuz, Maciej M. Syslo, Joyce Malyn-Smith Malyn-Smith: Advances in Conceptualizing, Developing, and Assessing Computational Thinking <i>Presenter:</i> Webb, Mary (14:30 - 15:00) coffee break</p>	<p>2nd Floor Room SR: (2nd floor);</p>
<p>DOC 3a (15:00 - 16:30) Doctoral Consortium 3</p>	
<p>'Reflecting backwards and reflecting forwards' - run by Professor Don Passey, Lancaster University, UK</p>	
<p>FPS 7.1 (15:00 - 16:30) Fullpaper Session 7.1</p> <p>68 Stefan Pasterk (AT), Max Kesselbacher, Andreas Bollin: A Semi-Automated Approach to Categorize Learning Outcomes into Digital Literacy or Computer Science <i>Presenter:</i> Pasterk, Stefan</p> <p>51 Djordje Kadijevich (CS): Cultivating computational thinking through data practice <i>Presenter:</i> Kadijevich, Djordje</p> <p>29 Halvdan Haugsbakken (NO): What does sharing mean on an Enterprise Social Media Platform – informing or information-overload? - What does sharing mean on an Enterprise Social Media Platform – informing or information-overload? <i>Presenter:</i> Haugsbakken, Halvdan</p>	<p>chair: Don Passey</p> <p>chair: Lawrence Williams</p> <p>GS</p>
<p>SYM 2b (15:00 - 16:30) Symposium 2b</p>	
<p>SOC (16:30 - 20:00) Social Activities</p>	
	<p>P-A (1st Floor) Meeting Point: Court of the Conference Building</p>

Thursday, June 28th 2018

<p>(08:30 - 09:00) Start THU</p> <p>K3 (09:00 - 10:00) Keynote 3</p> <p>Authentic and Contextual Learning with ICT for the most marginalized Adolescents in India</p> <p>This keynote will present an example of an initiative seeded at Tata Trusts (philanthropy in India) called the Integrated approach to Technology in Education (ITE). The initiative aims for authentic learning within the curriculum, to foster 21st century skills and bridge the digital and learning opportunities for the most marginalized adolescents. Here both digital literacy and the use of OER becomes part of the teaching and learning process wherein the focus is on students' creating their own learning artifacts using ICT. The role of the teachers here is to design the lessons and activities, and choose resources to scaffold the creations of their students. Within the context of rural, remote, urban ghettos, tribal and Muslim minority students and communities, examples of ITE practice demonstrate equity, agency, and knowledge construction; thus, bridging the learning, digital, and opportunity gaps. This project based approach using ICT within the curriculum illustrates knowledge deepening and creation by students as well as their acquisition of 21st century skills; the community projects by students also foster value building.</p> <p>chr 4 (10:00 - 10:30) coffee break</p> <p>AUS 3 (10:30 - 12:00) Austrian Panel 3</p> <p>Inclusion and Equity Issues with adaptive Technologies</p> <p>Panel: Co-chairs: Amina Charania Klaus Miesenberger</p> <p>P.T. Nleya - Botswana Don Passey - IFIP</p> <p>Abstract: ICT is the key technology of the future. Equal accessibility is the key and accepted foundation for better inclusion and equity in the information society for the broadest range of users including those with disabilities using the improving potential of adaptive technologies. Accessibility to digital technology is accepted as a fundamental human right, best expressed in the UN-Convention on the Rights of People with Disabilities signed and approved by more than 160 countries) and following this implemented in national law.</p> <p>Inclusion and equal accessibility have also big potential for improved business and socio economic impact in an ageing society. And science and technology provide viable and proven technologies, methods, techniques and standards for implementing accessibility.</p> <p>But the reasons of inequity towards digital technology are various and the implementation of accessibility is lacking behind due to missing awareness, education and incentives. Also the availability, adaptivity and personalisation of Assistive Technologies, which is to be driven by the service sector for people with disabilities, is lagging behind. Inclusion and equity issues have to be discussed when we see digital technology as a means to create a more just world. This panel intends to address this gap between potential and uptake of technologies supporting inclusion and wants to come up with a set of recommendations.</p>	<p>2nd Floor Main Hall</p> <p>chair: Cathy Lewin</p> <p>2nd Floor GS</p> <p>P-B (1st Floor)</p>
<p>FPS 8.1 (10:30 - 12:00) Paper Session 8.1</p>	
<p>27 Yaacov J Katz (IL): Social Networks as Learning Delivery Platforms: Academic Achievement and Attitudes of Students - Yaacov J Katz, Bar-Ilan University and Michlala - Jerusalem Academic College <i>Presenter:</i> Katz, Yaacov J</p> <p>42 Mathew Hillier (AU), Andrew Fluck: Robust networked e-Exams with Moodle <i>Presenter:</i> Hillier, Mathew</p>	<p>chair: Rosa Maria Bottino</p>

55 Keiji Emi (JP), Shinzo Kobayashi: Practice of Blended Learning of Next Generation Agricultural Human Resources Development Using Wearable Cameras and Drone Cameras - the "WAZA" Method
Presenter: Emi, Keiji

CS (12:00 - 13:00) **Closing Session**

Main Hall