



OCCE 2024 Conference

27 February - 1 March
Bournemouth, UK

Local Organising Committee Chair:
Nicholas Mavengere, Bournemouth University, United Kingdom
International Programme Committee Chair:
Christophe Reffay, University of Franche-Comté, France.

Day 1: Tuesday 27 February 2024

Morning Section

Room	Times	Session	Title
2nd floor Entrance	08:00-09:00	Registration, welcome coffee and Installation of Posters	
EB206	09:00-10:05	Opening session Chair: Nicholas Mavengere Welcome: BCP Mayor, Councillor Anne Filer	OCCE2024 LOC and IPC chairs, TC3 chair, BU representatives + Posters teasing.
EB206	10:05-11:00	Keynote #1 Chair: Peter Micheuz	Professor Kai Rannenberg: Privacy and information security in the education world
	11:00-11:25	Coffee break	



Main talk section

Room	Times	Session	Category	Title
EB203	11:25-11:55	#4.1 Digital technology for inclusion or sustainability Chair: Toshinori Saito	Full	EduAbility: An assistive technology awareness and training package (Paul Whittington , Huseyin Dogan)
	11:55-12:25		Full	Assessing the Level of E-learning Utilization at State University of Zanzibar (SUZA) Online presentation – (Said Yunus , Siti Abdalla, Philipo Sanga)
	12:25-12:40		Short	Universal Design for Learning (UDL) and Assessment Redesign in the Further Education and Training Sector (Marie Collins)
EB205	11:25-11:55	#2.1 Digital technologies in education: use, ethics and security Chair: Barbara Tatnall	Full	The Use of Artificial Intelligence in Mobile Learning: State of the Art in Adaptive, Intelligent and Expert Systems (Fatima Muazu , Festus Adedoyin, Nicholas Mavengere, Huseyin Dogan, Paul Whittington)
	11:55-12:25		Full	The Moderating Role of Information Accuracy on Students' Intention to Use ChatGPT in Higher Education (Santosh Kumar Gurung, Surya Bahadur G.C, Pooja Bhandari Subedi , Ekta Srivastava, Deepak Ojha)
	12:25-12:40		Short	Improving Transparency in School Admission Web Forms Through User-Centric Privacy Notices – A Privacy by Design Perspective (Esther Akinlade , Andrew M'manga)
EB202	11:25-11:55	#3.1 Learning with digital technologies Chair: Jaana Holvikivi	Full	Co.LAB: a Web Platform Dedicated to the Design and Evaluation of Learning Games (Eric Sanchez, Estelle Prior , Nadine Mandran, Sandra Monnier, Dominique Jaccard)
	11:55-12:25		Full	Designing a Learning Environment to Foster Competencies in Information Systems through Business Games (Yoshiaki Matsuzawa , Yuji Ohsu, Hiroyuki Miyagawa)
	12:25-12:40		Short	Drafting an Educational Game for the Data Science Life Cycle (Simone Opel , Andrea Linxen, Christian Quast, Christian Becks)
EB206	11:25-11:55	#1.1 Learning about digital technologies & computing Chair: Therese Keane	Full	Towards Professional Development for Teachers in Artificial Intelligence and Data Literacy (Viktoriya Olari , Till Zoppke, Martin Reger, Evgenia Samoilova, Martin Kandlhofer, Valentina Dagienė, Ulrike Lucke, Ralf Romeike)
	11:55-12:25		Full	Professors' Perceptions Regarding AI Competencies for Non-Computer Science Students in Undergraduate Education (Kamilla Tenório , Ricardo Knauer, Raphael Wallsberger, Ralf Romeike, Erik Rodner)

Day 1: Tuesday 27 February 2024 (continued)

Main talk section (Continued)

Room	Times	Session	Category	Title
EB302	11:25-11:55	#1.2 Learning about digital technologies & computing Chair: Andreas Schwill	Full	A New Compulsory Subject "Digitale Grundbildung" in Austria - Genesis, Status Quo and Challenges (Peter Micheuz , Stefan Pasterk)
	11:55-12:15		Short	A System for Programming Examination with Block Components (Yoshinori Tanabe)
	12:15-12:35		Short	Teachers' Notions of Computing-Related Concepts in Digital Games Popular among Secondary School Students (Fatma Batur, Torsten Brinda)
EB302	11:25-11:55	#6 Teaching & Learning with digital technologies Chairs: Deniz Cetinkaya and Marcin Budka	Online Full	Turning Technophobia into Technophilia: A Study on Academic Staff at the University Online - (Hasan Selcuk)
	12:00-12:20		Short	Online teacher professional development, constructive use of technology (Sohini Sen , Amina Charania)
	12:25-12:35		Online Poster	Development of chatbot model for learning management systems in Nigerian higher institutions Online - (Snow Ngozi)
	12:35-12:45		Online Poster	The Perspective of Microsoft Innovate Expert Education on Automated Assessment Task Online - (Maina Wagjokö , Mavis Adwoa Donkor)

Afternoon section

Times	Group	Event Type	Activity	Tour guides
13:00-13:45	Lunch			
14:00-15:15	Group #1	Social Event	Russell-Cotes Art Gallery & Museum visit	Avleen Malhi or Mo Naiseh
14:00-15:15	Group #2	Social Event	Bournemouth town bus tour	Avleen Malhi or Mo Naiseh
15:30-17:00	Group #1	Social Event	Bournemouth town bus tour	Avleen Malhi or Mo Naiseh
15:30-17:00	Group #2	Social Event	Russell-Cotes Art Gallery & Museum visit	Avleen Malhi or Mo Naiseh



Day 2: Wednesday 28 February 2024

Morning Section

Room	Times	Session	Title
EB206	09:00-10:00	Keynote #2 Chair: Don Passey	Julia Adamson MBE: The UK computing education landscape, next steps
	10:00-10:30	Coffee	
EB206	10:30-12:00	Panel Chair: Prof. Alastair Irons	Four Nations Panel Panellists: Dr Parveen Samra, Dr Fiona McNeil, Dr Ian McChesney and Professor Tom Crick
	12:00-12:45	Lunch	



Main talk section

Room	Times	Session	Category	Title
EB202	12:45-13:15	#3.2 Learning with digital technologies Chair: Simone Opel	Full	MOOC Entrepreneurs - An Institutional Entrepreneurship Perspective on Massive Open Online Courses in Higher Education Institutions (Halvdan Haugsbakken)
	13:15-13:45		Full	A MOOC About MOOC Making (Halvdan Haugsbakken)
	13:45-14:05		Short	Exploring collaborative learning through a virtual Software engineering course (Erika Quintero-Rivas)
EB203	12:45-13:15	#2.2 Digital technologies in education: use, ethics and security Chair: Christine Bescherer	Full	Teachers' Insight: Digital Threats that Imperil Children and Teenagers (Julian Taupe, Andreas Bollin, Verena Knapp)
	13:15-13:45		Full	Ethical Dilemma Judgment Education and Generative AI for Preparing Students for the Digital Age: A New Approach to Computer Ethics Education in Japan (Takeo Tatsumi, Yuko Murakami)
	13:45-14:05		Short	An approach to Generative AI use within a Computing & Informatics Department (Benjamin Gorman, Huseyin Dogan, Nicholas Mavengere, Nan Jiang, Marios Angelopoulos, Wei Koong Chai, Cagatay Yucel, Edward Apeh, Gernot Liebchen, Hari Pandey, Marcin Budka, Melanie Coles, Muntadher Sallal, Suzy Atfield-Cutts, Tim Orman)
EB206	12:45-13:15	#1.3 Learning about digital technologies and computing Chair: Matthias Kramer	Full	Pedagogical Patterns in Constructionist Programming Books (Michael Weigend)
	13:15-13:45		Full	The role of tables in computational thinking and mathematical thinking (Maria Cujdikova, Ivan Kalas)
	13:45-14:15		Full	Exploring Computational Thinking as a Predictor to Identify Conceptual Understanding of Programming (Jayanti Nayak, Therese Keane, Milorad Cerovac, Tanya Linden)
EB413	12:45-13:15	#4.2 Digital technology for inclusion or sustainability Chair: Javier Osorio	Full	Towards Digital Competency: A Comparative Simulation Analysis of Education Spending and Human Development Policies Using Machine Learning (Aliu Adebisi, Festus Adedoyin, Victor Ogunbiyi, Emmanuel Oluokun)
	13:15-13:45		Full	Empowering Marginalized Communities through Digital Education: Building a Research Framework based on the Capability Approach (Toshinori Saito)

Afternoon section

Room	Times	Session	Title
	14:15-14:20	Tea	
EB202	14:20-16:15	Symposium	Developing Informatics Competencies of In-Service Teachers: Analyses of Success Factors (Matthias Kramer, Torsten Brinda)
EB203	14:20-16:15	Symposium	Digital pedagogy in a post-pandemic world: moving forward or turning back? (Cathy Lewin, Therese Keane)
EB206	14:20-16:15	Teachers Workshop	BCS - Teachers Workshop on AI in Education (Tig Williams, Hari Pandey)
EB413	14:10-14:30 14:30-15:10 15:10-15:50 15:50-16:30 16:30-16:40	Doctorial Consortium Chairs: Christine Bescherer, Javier Osorio, Huseyin Dogan	Introduction Fatima Ahmad Muazu , Bournemouth University, UK Jayanti S Nayak , La Trobe University, Australia Neil Ricku,s King's College London, UK Discussion
	16:15-16:30	Break	
EB206	16:30-17:30	Panel chair: Dr Mary Webb	Opportunities and challenges for AI in Education: One year after ChatGPT? Panellists: Julia Adamson MBA, Dr Caitlin Bentley , Professor Angelos Stefanidis
	19:00-22:00	Dinner, Key West Restaurant	Bournemouth Pier BH2 5AA



Day 3: Thursday 29 February 2024

Morning Section

Room	Times	Session	Title
EB206	09:00-10:00	Keynote #3 Chair: Ivan Kalaš	Professor Deirdre Butler: AI in Education: Watershed or Quagmire
	10:00-10:30	Coffee	

Main talk section

Room	Times	Session	Category	Title
EB202	10:30-11:00	#5 National policies and plans for digital competence Chair: Mary Webb	Full	Examining the Subtlety of Gender Bias in the Digital Technologies Curriculum (Milorad Cerovac, Therese Keane)
	11:00-11:20		Short	Aligning Educational Policies with the New Realities of Schooling (Margaret Leahy, Deirdre Butler , Stefania Bocconi, Amina Charania, Peiris Meda Gedara, Boyan Jekov, Therese Keane , Therese Laferriere, Kohei Nakamura, Hiroshi Ueda)
	11:30-11:50		Short	Does programming matter in Japanese high schools? An Analysis of 12 High School Textbooks of Informatics I (Ema Tanaka , Sayaka Tohyama, Toshiya Jitsuzumi)
EB203	10:30-11:00	#2.3 Digital technologies in education: use, ethics and security Chair: Estelle Prior	Full	The Contribution of the Official TC3 Journal (EAIT) to Digital Education and Learning during the Global Health Emergency (Arthur Tatnall, Javier Osorio)
	11:00-11:30		Full	The Contribution IFIP WG3.4 has made over 40 Years to Developments in Higher, Vocational, and Lifelong Learning (Arthur Tatnall, Mikko Ruohonen, Barrie Thompson)
	11:30-12:00		Full	Learning in ↯SNS simulators with no right answers and the formation of learner attitudes (Atsushi Hikita , Tomohiro Inagaki, Marcos Sadao Maekawa, Shota Tajima, Emi Nagasawa)

EB206	10:30-11:00	#1.3 Learning about digital technologies and computing Chair: Torsten Brinda	Full	Shapes of Data Literacy in Germany's Higher Educational Landscape (Martin Lechner , Christian Zinke-Wehlmann)
	11:00-11:30		Full	Computer Science for all: Teacher Training for in-service Teachers (Anika Katleen Cichalla , Ralf Romeike, Luisa Gebhardt, Tilman Michaeli)
	11:30-12:00		Full	Computational Thinking and Mathematics Education (Christine Bescherer)
EB205	10:30-11:00	#3.3 Learning with digital technologies Chair: Don Passey	Full	Virtual Dental Simulators: Diversifying the Technologies to Enhance Learning and Training in Higher Education (Margaret J. Cox , Chris Louca, Jennie Haywood-Hull, Sara Barber, Beth Hallissey, Debbie Withers)
	11:00-11:30		Full	Teachers' Technological Knowledge Influencing Integration of Information and Communication Technology in Teaching and Learning in Public Secondary School in Nairobi City County, Kenya. (Samuel Kigumi , Lucy Njagi)
	11:30-11:50		Short	Towards an Analysis of the Information Practices of Actors Involved in the Field of Educational Serious Games (Mamoudou Ndiaye , Fabrice Pirolli, Raphaëlle Crétin-Pirolli)
12:00-13:00 Lunch				

Poster Sessions

Room	Times	Session	Title
	13:00-14:30	Coffee	
Social Space	13:00-14:30	Poster session	<p>Enhancing Higher Education Learning and Assessment Through Serious Games Informed by Grid-Group Cultural Theory (Kristina Risley)</p> <p>Development of chatbot model for learning management systems in Nigerian higher institutions (Snow Ngozi)</p> <p>The Perspective of Microsoft Innovate Expert Education on Automated Assessment Task (Maina Wagīokō, Mavis Adwoa Donkor)</p> <p>Lessons from Creep Failure Prediction of Steel based on Chemical composition, Treatment and Processing parameters (Michael Awe, Nicholas Mavengere)</p> <p>Inclusion and Informatics –How can inclusion in informatics education be designed successfully? (André Hilbig)</p> <p>Benchmarking Current Machine Learning Approaches to Automated Dyslexia Diagnosis (Thomas Mercier, Marcin Budka)</p> <p>What Gender Biases Could Impede Programming Education?: A Quantitative Study for Japanese Students (Sayaka Tohyama, Masayuki Yamada)</p> <p>Assessing Project-Based Learning with Technology in Adolescents in India (Uchita Bakshani, Sayaka Tohyama, Ema Tanaka)</p> <p>Investigating AI-Assisted Strategies for Enhancing English Present Perfect Tense Proficiency among University Preparatory Students (Barkin Baran Yener & Hasan Selcuk)</p> <p>Learning with haptic technologies: what has worked so far and why. (Margaret Cox, Barry Quinn)</p>

Afternoon section

Room	Times	Track	Title
EB202	14:00-14:55	Tutorial	Latex Tutorial (1/2): Writing research papers in LaTeX A brief introduction for authors and editors (Matthias Kramer, Torsten Brinda)
EB203	14:00-14:55	TC3 Web	IFP TC3 Web site meeting (Mary Webb & TC3 WGs Webmasters)
EB202	15:00-17:00	Workshop	The Sniff Programming Language, and Physical Computing for KS3/4 Science. (Ian Stephenson)
EB203	15:00-16:00	Workshop	Exploring the Synthesis of an Immersive 360* Webinar Design and an AI Chat-bot for a Socratic Discussion: Or the case of the artificial intelligence presenter (Anthony Basiel, Mike Howarth)
EB204	15:00-17:00	Workshop	Strategies towards supporting the use of Generative AI within Higher Education (Muntadher Sallal)
EB203	16:00-17:00	Invited Session	Developing Teaching and Learning Innovations in the context of Indo-Nordic Collaboration for Smart Agriculture and Entrepreneurship Education (Mikko Ruohonen)



Day 4: Friday 1 March 2024

Morning Section

Room	Times	Track	Title
EB206	09:00-10:00	Chair: Christophe Reffay	How to take part of the IFIP TC3? (Don Passey: TC3 chair, Torsten Brinda: WG3.1 chair, Jaana Holvikivi: WG3.4 chair, Javier Osorio: WG3.7 chair)
	10:00-10:30	Coffee	
EB302	10:30-11:15	Tutorial	LaTeX Tutorial (2/2): Practical examples, Q&A (Matthias Kramer)
EB203	10:30-11:10	WG Meeting	WG3.4 Annual General Meeting: Professional, Higher and Vocational Education in ICT (Jaana Holvikivi)
EB202	11:15-12:00		WG3.1 meeting: Informatics and Digital Technologies in School Education (Torsten Brinda)
EB203	11:15-12:00		WG3.7 Annual General Meeting Information Technology in Educational Management (Javier Osorio)
EB206	12:00-12:30	Christophe Reffay & Nicholas Mavengere	Closing Session
	12:30-14:00	Lunch	

