

# 4TH INTERNATIONAL CONFERENCE ON MEDICAL EDUCATION INFORMATICS

MEI 2021 | 12-15 July | Nottingham | UK

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## Conference Programme



## Monday 12 July 2021

TIME (time is UK - BST)

8:30 – 8:45	<p>Conference Welcome Prof. Joan Lymn Dr. Stathis Th. Konstantinidis, Prof. Heather Wharrad, Prof. NG Chirk Jenn</p>
8:45-9:30	<p>KEYNOTE: CAPACITY BUILDING IN E-LEARNING: INNOVATIVE DIGITAL PEDAGOGY FOR HEALTHCARE AND MEDICAL EDUCATION IN THE FOURTH INDUSTRIAL REVOLUTION</p> <p><i>DR MUHAMMAD HELMI NORMAN</i></p> <p><i>Chair: Prof. NG Chirk Jenn</i></p> <p style="text-align: right;"><i>Amphitheater I</i></p>

9:30 Strech break (9.30-9.40)

9:40-10:30	ACORD	REHIN
	<i>Room A</i>	<i>Room B</i>
9:40-9:50	<p>Wharrad H., Konstantinidis S., Poussa C., Taylor M. <a href="#">Sharing expertise in digital co-creation and pedagogy: ACoRD - a capacity building project between Europe and Malaysia in Higher Education (HE) e-Learning</a></p>	<p>Natalia Stathakarou, Maxine G. Harjani, Ioanna Dratsiou, Annita Varella, Iraklis Tsoupouoglou, Panagiotis D. Bamidis, Stathis Konstantinidis, Vicente Traver Salcedo, Lucia Aparici Tortajada, Klas Karlgren. <a href="#">Identifying and prioritizing topics to inform the content of reusable learning objects: a three-step approach</a></p>
9:50-10:10	<p>Hooi Min Lim, Chirk Jenn Ng, Heather Wharrad, Yew Kong Lee, Stathis Konstantinidis, Chin Hai Teo. <a href="#">Knowledge transfer in developing digital learning resources: Lessons learned from a UK/EU-Malaysia capacity building project</a></p>	<p>Maxine G. Harjani, Natalia Stathakarou, Stathis Konstantinidis, Panos Bamidis, Vicente Traver Salcedo, Klas Karlgren. <a href="#">Developing RLOs for refugees health integration</a></p>
10:00-10:10		<p>Natalia Stathakarou, Maxine G. Harjani, Ioanna Dratsiou, Annita Varella, Iraklis Tsoupouoglou, Panagiotis D. Bamidis, Stathis Konstantinidis, Vicente Traver Salcedo, Lucia Aparici Tortajada, Klas Karlgren. <a href="#">Panel: Co-creation of RLOs to enable refugees' health integration: Lessons learned from the ReHIn Erasmus+ project</a></p>
10:10-10:20	<p>Enna Ayub, Nurul Amelina Nasharuddin, Kuhan Krishnan, Zahiruddin Fitri Abu Hassan, Nurhanim Hassan. <a href="#">Technical Perspectives of Development of Reusable Learning Objects: Challenges and Solutions</a></p>	
10:20-10:30	Q&A	Q&A

10:30		Strech break (10.30-10.40)	
10:40-11:30	ACORD	Simulated Learning	
	<i>Room A</i>	<i>Room B</i>	
10:40-10:50	Natalia Stathakarou, Petter Mordt, Stathis Konstantinidis, Heather Wharrad, Ping Yein Lee, Chirk Jenn Ng, Phelim Voon Chen Yong, Klas Karlgren. <a href="#">Repurposing of Digital Education Resources</a>	P.E. Antoniou, M. Nikolaidou, N. Kyriakidis, P.D. Bamidis. <a href="#">Co-creating escape rooms for healthcare education; infrastructures and methodologies for the interactive classroom</a>	
10:50-11:00	Puteri Shanaz Jahn Kassim, Ping Yein Lee, Wei Hsum Yap, Zahiruddin Fitri Abu Hassan, Chirk Jenn Ng, Faridah Idris, Sazlina Shariff Ghazali, Phelim Voon Chen Yong, Renukha Sellappans, Shyamala Doraisamy, Heather Wharrad, Klas Karlgen, Petter Mordt. <a href="#">Strategies to Incorporate Reusable Learning Objects (RLOs) in the Curriculum</a>	Krystina M. Clarke, Ahmad Barrari, Andrew Hogue, Adam Dubrowski. <a href="#">Combining 3D Printing and Crowdsourcing into an Online Application to Improve Remote Simulation-Based Education for Health Professions Education Trainees</a>	
11:00-11:10	Chin Hai Teo, Nurul Amelina Nasharuddin, Wei Hsum Yap, Chirk Jenn Ng, Puteri Shanaz Jahn Kassim, Renukha Sellappans, Hooi Min Lim, Sazlina Shariff Ghazali, Phelim Voon Chen Yong, Klas Karlgen, Petter Mordt, Heather Wharrad. <a href="#">Users' Reaction and Learning Performance of the ACoRD Reusable Learning Objects</a>	A. Athanasiou, P.E. Antoniou, N. Pandria, A. Astaras, K. Nizamis, K. Mitsopoulos, A. Praftsiotis, N. Terzopoulos, A. Arvanitidis, T. Apostolou, I. Magras, P.D. Bamidis. <a href="#">Affect detection in rehabilitation using wearable robotics, multiple biosensors and serious gaming: a concept using the NeuroSuitUp platform</a>	
11:10-11:20	Chirk Jenn Ng, Ping Yein Lee, Chin Hai Teo, Phelim Voon Chen Yong, Sazlina Shariff Ghazali, Matthew Pears, Stathis Konstantinidis, Heather Wharrad. <a href="#">Measuring the impact of a capacity building project on reusable learning objects: The ACoRD Study</a>	Dimitrios A. Fotiadis. <a href="#">State-of-the-art sensors in computer-based simulation systems for medical education</a>	
11:20-11:30	Q&A	Q&A	
<b>CLOSING DAY ONE</b>			

## Tuesday 13 July 2021

TIME (time is UK - BST)

8:30	Welcome	
8:30-9:20		
9:20	Strech break (9.20-9.30)	
9:30-10:30	Digital Transformation of Health and Care	Chatbots in Education
	<i>Room A</i>	<i>Room B</i>
9:30-9:40	Paola Tessari, Oscar Mayora. <a href="#">Training Blueprint for the Digital Transformation of Health and Care (TBDTHC), an Erasmus+ Strategic Partnerships for Vocational Education and Training</a>	Stathis Th. Konstantinidis, Natalia Stathakarou, Eirini Schiza, Iraklis Tsoupourogrou Panagiotis D. Bamidis, Constantinos S. Pattichis. <i>Panel:</i> <a href="#">Chatbots in Education – A new era on digital learning</a>
9:40-9:50	Claudia Stura. <a href="#">Digital Health Technology Trends &amp; Implications for Health Professionals</a>	
9:50-10:00	Lisa Leonardini, Cristina Rolli, Elena Squizzato, Alberto Bottaro. <a href="#">Digital &amp; Soft Skills of tomorrow's health professionals</a>	
10:00-10:10		
10:10-10:20	Olivia Balagna, Riccardo Farina, Paola Tessari, Oscar Mayora, Monica Moz. <a href="#">Trentino (PAT and FBK) DHLLs</a>	
10:20-10:30	Q&A	
10:30	Strech break (10.30-10.40)	
10:40-11:30	TBDTHC Digital health Learning Lab: Enhancing digital soft skills	Towards Future Curricula
	<i>Room A</i>	<i>Room B</i>
10:40-10:50	Peggy Richter, Emily Hickmann, Carola Gißke, Hannes Schlieter. <a href="#">TBDTHC Digital health Learning Lab - Germany</a>	Rebecca Grainger, Hermaleigh Townsley, Amy O'Neill, Diane Kenwright, Mary Leigh Moore, Tim Wilkinson. <a href="#">Health Informatics in the medical curriculum – students' perspectives in an Australasian university</a>
10:50-11:00	Ad van Berlo, Marjolein Winters. <a href="#">TBDTHC Digital health Learning Lab - Netherlands</a>	Borrelli S., Nespoli A., Mets-Oja S., Smit A., van Oost M., Fumagalli S., Karema A., Coolin K., Konstantinidis S., Walker L., Spiby H., Falkenhagen K.

MEI 2021 | 12-15 July | Nottingham | UK – 4th International Conference on Medical Education Informatics

		<a href="#">Virtual Erasmus – Co-Creation of Inclusive Digital Learning Packages for Student Midwives across Europe</a>
11:00-11:10		Riquelme-Galindo J., Lillo-Crespo M., Konstantinidis S., Feliciano S., Höijer-Breär V., Bamidis P., Cunningham S., Stefanowicz-Kocol A. & Hall C. <a href="#">Supporting Internationalisation of Traineeships in the Healthcare Sector: Healint &amp; Healint4ALL Projects</a>
11:10-11:20	Claudia Stura, Lukas Huber, Sarah Plank. <a href="#">TBDTHC Digital health Learning Lab – Austria</a>	Aneta Grochowska, Anna Stefanowicz-Kocoł, Małgorzata Kołpa, Hanna-Mari Pesonen, Johanna Kero. <a href="#">Improving Geriatric Patient Satisfaction: Development of a High-Fidelity E-learning Simulation Course to Develop Intercultural Skills in Geriatric Nursing</a>
11:20-11:30	Q&A	Q&A

11:30

Lunch break (11.30-12.30)

12:30-14:00	TBDTHC Enhancing digital soft skills in Healthcare	Future of Digital Learning
	<i>Room A</i>	<i>Room B</i>
12:30-12:40	Stathis Th. Konstantinidis, Heather Wharrad. <a href="#">TBDTHC Digital health Learning Lab - United Kingdom</a>	M. Nikolaidou, P.E. Antoniou, T. Poulton, T. Roberts, M. Fotaki, P. D. Bamidis. <a href="#">Driving Open Innovation in Medical Education Technology</a>
12:40-12:50	Paola Tessari, Oscar Mayora, Alberto Bottaro, Riccardo Farina, Olivia Balagna. <a href="#">Panel: Digital Health Training Guidelines</a>	Eleftheria Vellidou, Yannis Dionyssiotis, Stathis Th. Konstantinidis, Pavlos Sarafis, Sofia Artemi, Katerina Stergiopoulou, Anne Mette Vind, Niculina Birsanu, Sophie Duport, Dimitrios Koutsouris, EPOCFINDS Consensus attendants group. <a href="#">Carers' needs, skills and competences analysis in order to develop an Education PrOgram for Carers in Facilities with Neuro Disabled Subjects (EPOCFINDS)</a>
12:50-13:00		Steve Gallagher, Shakeel Mohammed, Tehmina Gladman, Phil Blyth. <a href="#">“It’s not the same as really being there”: Medical Educators’ attitudes to digital technologies for clinical experiential learning</a>
13:00-13:10		Dania, Andy, Bruno, Bill, Andrei, Adam. <a href="#">Preliminary Data Results Regarding the Development of a</a>

MEI 2021 | 12-15 July | Nottingham | UK – 4th International Conference on Medical Education Informatics

		<a href="#">Virtual Education Simulation of an Adult Proximal Tibia Model for Intraosseous Insertion Simulators to Train Pre-Hospital healthcare Providers</a>
13:10-13:20		Hannah M. Jackson. <a href="#">Band 5 Registered Nurse's experiences, understanding and perceptions of Computerised Decision Support Systems in the NHS hospital ward setting</a>
13:20-13:30	Stretch break	
13:30 – 14:15	Guest Talk	Posters Session
	<i>Room A</i>	<i>Room B</i>
13:30-14:15	Guest Talk: The Autonomous Province of Trento - Experience in Digital Health	Asim Alhejaili, Heather Wharrad, Richard Windle. <a href="#">How Do Nursing Intern Students Obtain Evidence-Based Health Information?</a>
		Ahmed Alanazi, Heather Wharrad, Fiona Moffatt. <a href="#">Use of Telerehabilitation Approaches in Saudi Arabia Patient and Physiotherapist Acceptance</a>
		Mehmet Yildirim, Timothy Carter, Laura Bedford, Holly Blake. <a href="#">Mental fitness promotion through a mobile application in healthcare workers in the United Kingdom: A Feasibility Study Protocol</a>
		Da Silva C., Torres A., Kapralos B., Peisachovich E, Anyinam C, Coffey S., Graham L., Dubrowski A. <a href="#">Co-Designing Mental Health Virtual Reality Education</a>
		Sun, W., Quevedo, A., Schewaga, R. <a href="#">Co-Designing a Virtual Reality Framework to Enhance Reminiscence Therapy for Persons with Dementia</a>
CLOSING DAY TWO		

## Wednesday 14 July 2021

TIME (time is UK - BST)

8:30	Welcome
8:30-9:20	

9:20 Strech break (9.20-9.30)

9:30-10:30		Workshop
	<i>Room A</i>	<i>Room B</i>
9:30-9:40	Stathis Th. Konstantinidis, Heather Wharrad, Panagiotis D. Bamidis, Constantinos S. Pattichis. <a href="#">Co-creation of Virtual Reality reusable e-resources for European Healthcare Education - CoViRR</a>	James Henderson, Matthew Pears, Iraklis Tsoupourogrou, Suhail Muzaiek, Fotos Frangoudes. <a href="#">Designing an Educational Chatbot: "Hello, where should I begin?"</a>
9:40-9:50	P.E. Antoniou, P. David, L. Ioannidis, E. Sidiropoulos, P.D. Bamidis. <a href="#">Technical facilitation of XR resources co-creation; A Visual editor for authoring virtual environments in XR</a>	
9:50-10:00	Heather Wharrad, Michael Taylor, Daniyar Sapargaliyev. <a href="#">360 Visi</a>	
10:00-10:10	Eirini Schiza, Maria Matsangidou, Kleanthis Neokleous, Constantinos S. Pattichis. <a href="#">Virtual Reality Applications in Neurological Diseases</a>	
10:10-10:20	P.E. Antoniou, A. Varella, M. Nikolaidou, S. Lachanoudi, A. Athanasiou, P.D. Bamidis. <a href="#">Participatory workshops of XR resources for healthcare education; Observations from the field</a>	
10:20-10:30	Q&A	

10:30 Strech break (10.30-10.40)

MEI 2021 | 12-15 July | Nottingham | UK – 4th International Conference on Medical Education Informatics

10:40-11:30	Showcase	Workshop
	<i>Room A</i>	<i>Room B</i>
10:40-11:30	Matthew Pears, Stathis Th. Konstantinidis, P.E. Antoniou, Panagiotis Bamidis, Fotos Frangoudes, Kleanthis Neokleous, Gerge Ntakakis, Eirini Schiza, D. Bamidis, Constantinos S. Pattichis. Virtual Reality Reusable e-Resources	Iraklis Tsoupouoglou, James Henderson, Suhail Muzaiek, Fotos Frangoudes. <a href="#">Understanding the basics and building a chatbot</a>

11:30

Lunch break (11.30-12.30)

12:30-14:00	Workshop	Healthcare Education innovation
	<i>Room A</i>	<i>Room B</i>
12:30-12:40	Michael Taylor, Panagiotis Antoniou, Eirini Schiza. Co-design workshop of Virtual Reality Reusable Resources	Stanley C W Ko. <a href="#">A low-cost interactive platform for visual display of global engagement</a>
12:40-12:50		Stanley C W Ko, Benjamin White, Paul Stronge, Gwen Hughes. <a href="#">Digital signatures for easy recognition of student professional development progress</a>
12:50-13:00		Dr M. Kokolski. <a href="#">Moving teaching online – an opportunity to re-evaluate the core aims of taught sessions</a>
13:00-13:10		Mrs Clare Rainey, Dr Sonyia McFadden, Dr Raymond Bond. <a href="#">Digital Divides in healthcare education innovations</a>
13:10-13:20		N. Göktepe, R. Windle, H. Wharrad, M. Taylor, A. Hill, A. Karadağ, Z. Zeybekoğlu, S. Akgül, M. Ekerim. <a href="#">Experience in developing online reusable learning objectives for early career health researchers in international collaboration: Threshold project</a>
13:20-13:30		Brenda Barth, Julia Micallef, Artur Arutiunian, Jason Wang, Dana Chorney, Elaine Salmers, Janet McCabe, Adam Dubrowski. <a href="#">Curricular Integration of 3D Printed Simulators to Support Home Based Practice in a Nursing Program: Development and Evaluation of Efficacy and Realism</a>

CLOSING DAY THREE



## Thursday 15 July 2021

TIME (time is UK - BST)

8:30	Welcome
8:30-9:20	

9:20 Strech break (9.20-9.30)

9:30-10:30	Workshop	Future Learning
	<i>Room A</i>	<i>Room B</i>
9:30-9:40	James Henderson, Fotos Frangoudes, Giorgos Ntakakis. <a href="#">Developing a 360°/Virtual Reality resource: A practical hands-on workshop</a>	Pamela Mutombo, Andrei Torres, Bill Kapralos, Brenda Gamble, Beheshta Momand, Celeste Adams, Lynda Lawson, Celina Da Silva, Adam Dubrowski. <a href="#">Seniors Cultural Competency Virtual Learning Environment (SCCVLE): An Innovative Education Tool to enhance Competencies</a>
9:40-9:50		Harikrishnan Ranganathan, Devinder Kaur Ajit Singh, Saravana Kumar, Shobha Sharma, Chua Siew Kuan, Nabilah Binti Ahmad, Kamalambal Harikrishnan. <a href="#">A Qualitative Study on Expectations Towards an Online Course Among Physiotherapy Students in Malaysia</a>
9:50-10:00		Chia Yoke Yin, Adeline; Ooi Yin Yin; Teoh Ming Li; Tor Yin Sim; Chua Lin Lin; Lee Sau Har; Looi Chung Yeng; Ng Woei Kean; Tang Yin Quan; Yong Voon Chen, Phelim. <a href="#">Redesigning Biomedical Science Practicum towards a New Frontier</a>
10:00-10:10		Dr Prabal Bhargava. <a href="#">Digitally bolstered assessments - Robust and comprehensive</a>
10:10-10:20		Dr Brenda Gmble, Dr Catherine Drea. <a href="#">Virtual simulated learning activity to support culturally based ethical practice</a>
10:20-10:30		Q&A

10:30 Strech break (10.30-10.40)

MEI 2021 | 12-15 July | Nottingham | UK – 4th International Conference on Medical Education Informatics

10:40-11:30	Virtual Reality in Education	Healthcare Techology
	<i>Room A</i>	<i>Room B</i>
10:40-10:50		D. Sathya, D. Jagadeesan, P. Betty. <a href="#">Digital healthcard information security using blockchain</a>
10:50-11:00	Matthew Pears, Panagiotis Antoniou, Eirini Schiza, S. Th. Konstantinidis. Panel: Feasibility and acceptability of of Virtual Reality Reusable e-Resources, Matt	Alsahli, Mohammed, PhD Candidate. <a href="#">The Effectiveness of Mobile Phone Messaging-Based Interventions to Promote Physical Activity in Type 2 Diabetes Mellitus : A Systematic Review and Meta-Analysis</a>
11:00-11:10		Alduraywish, R., Hendrick, P., Blake, H. <a href="#">Development and Feasibility Testing of a Web Based Self-Management Intervention for Nurses with Low Back Pain: A Mixed Method Study</a>
11:10-11:20	Matthew Pears, Panagiotis Antoniou, Eirini Schiza, D. Bamidis, Constantinos S. Pattichis, S. Th.Konstantinidis. Recommendations for use of virtual reality reusable e-resources in healthcare curricula in terms of pedagogical aspects.	Nabil Alhassani, Professor Richard Windle, Dr Stathis Konstantinidis. <a href="#">Factors influence healthcare professionals' Compliance intention with EHR privacy policy, a Scoping Review</a>
11:20-11:30	Q&A	Q&A
11:30	Closing Ceremony	
<b>CLOSING CONFERENCE</b>		