Conference Agenda

Session Overview

Date: Wednesday, 23/Oct/2019

8:00am - 9:00am	**Break-1: Breakfast** Location: **Diercks Hall Atrium**

8:00am - 5:00pm	**Media-1: Media and work** Location: **Diercks Hall 236**	**RegDesk-1: Registration Desk Open** Location: **Diercks Hall Atrium**

9:00am - 10:30am	**Op&Key-1: Opening Statements and Keynotes 1** Location: **Diercks Hall Auditorium** Chair: **Russ Meier**, Milwaukee School of Engineering Chair: **James Sluss**, University of Oklahoma - Tulsa **Kerrie Douglas** (Assistant Professor, Purdue University, USA), "When the Means Don't Mean Anything: Findings Insights through Contextualized Evaluation Metrics" **K. Holly Shiflett, PhD** (Director, North American Partnerships, FutureLearn, USA/UK), "The need for continuous learning and the role of microcredentials" **Opening Table:** Russ Meier (... ⬇)

10:30am - 11:00am	**Refresh-1: Refreshment Break** Location: **Diercks Hall Atrium**

11:00am - 12:30pm	**Light-1: MOOCs Future and Past: Lesson Learnt** Location: **Diercks Hall Auditorium** Chair: **Manuel Castro**, UNED Chair: **Dhawal Shah**, Class Central, Inc **Anant Agarwal** (CEO, edX, USA), "The Future Learner" **Taxonomy of MOOC-Based Hybrid Educational Models in Higher Education** <u>Carlos Delgado Kloos</u>[1], Carlos Alario-Hoyos[1], Mar Pérez-Sanagustín[2], Pedro J. Muñoz-Merino[1] 1: Universidad Carlos III de Madrid, Spain; 2: Université Toulouse III Paul Sabatier, France **Categorizing Resources and Learners for a Finer-Grained Analysis of MOOC Viewing & Doing** <u>Erik AP Hemberg</u>[1], Sagar Biswas[2], Ayesha Bajwa[1], Nancy Law[3], Una-May O'Reilly[1] 1: ALFA MIT CSAIL, United States of America; 2: Manipal University Jaipur, India; 3: Hong Kong Universiy, Hong Kong SAR China **Performance of Men and Women in Graded Team Assignments in MOOCs** Catrina Tamara John, <u>Thomas Staubitz</u>, Christoph Meinel Hasso Plattner Institute, Germany

12:30pm - 1:30pm	**Lunch-1: Lunch** Location: **Todd Wehr Auditorium**

1:30pm - 3:00pm	**Light-2: MOOC Models: Present and Future** Location: **Diercks Hall Auditorium** Chair: **Manuel Castro**, UNED Chair: **Carlos Delgado Kloos**, Universidad Carlos III de Madrid **Dhawal Shah** (Founder and CEO, Class Central, USA), "A Product at Every Price: Overview of MOOC Monetization Models" **The Influence of Grades on Learning Behavior in MOOCs: Certification vs. Continued Participation** Li Wang, <u>Erik Hemberg</u>, Una-May O'Reilly MIT CSAIL, United States of America **Bridging Socioeconomic Gaps with MOOCs: A Case of a Free Digital Preparation Course for the Psychometric Test in Israel** <u>Ela Malka</u> Camus.il, Israel **Evolution Education and Massive Open Online Courses: A Multiverse Proposal** <u>Andrea De Rosa</u>, Mario Pistolese Federica WebLearning, University of Naples Federico II, Naples, Italy

	Innovation-Based Learning on a Massive Scale **Ellen Swartz**, Mary Pearson, Ryan Striker, Lauren Singelmann, Enrique Alvarez Vazquez North Dakota State University, United States of America **Visualising learning pathways in MOOCs** **Karsten Lundqvist**, Steven Warburton Victoria University of Wellington, New Zealand
3:00pm - 4:30pm	**Pos&NW-1: Poster Session and Refreshment Break** Location: **Todd Wehr Auditorium** Chair: **Héctor R. Amado-Salvatierra**, Universidad Galileo Chair: **Manoel Antonio Cortes Mendez**, Class Central
4:00pm - 6:00pm	**StComm: Steering Committee Meeting (By Invitation Only)** Location: **Todd Wehr Auditorium Conference Room (CC-105)**
4:30pm - 6:00pm	**Pos&NW-2: Poster Session (continuation)** Location: **Todd Wehr Auditorium** Chair: **Héctor R. Amado-Salvatierra**, Universidad Galileo Chair: **Manoel Antonio Cortes Mendez**, Class Central
6:00pm - 8:00pm	**Social-1: Opening Night Reception and Grohmann Museum Tours** Location: **Grohmann Museum**

Date: Thursday, 24/Oct/2019

8:00am - 9:00am	**Break-2: Breakfast**
	Location: **Diercks Hall Atrium**

8:00am - 5:00pm	**Media-2: Media and work**	**RegDesk-2: Registration Desk Open**
	Location: **Diercks Hall 236**	Location: **Diercks Hall Atrium**

9:00am - 10:30am	**Light-3: Highligths on MOOCs Activities**

Location: **Diercks Hall Auditorium**

Chair: **Hanadi Traifeh**, Hasso Plattner Institute

Manoel **Cortes** (Engineer & Writer, Class Central, Belgium), "Communicating Effectively about MOOCs: Approach & Takeaways"

Improving MOOC quality using learning analytics tools

Jeffrey S. Cross, Nopphon Keerativoranan, May Kristine Jonson Carlon, Yong Hong Tan, Zarina Rakhimberdina, Hideki Mori

Tokyo Tech, Japan

How Student Background and Topic Impact the Doer Effect in Computational Thinking MOOCs

Jitesh Maiyuran[1], **Ayesha Bajwa**[1], **Ana Bell**[2], **Erik Hemberg**[1], **Una-May O'Reilly**[1]

1: Massachusetts Institute of Technology, CSAIL, United States of America; 2: Massachusetts Institute of Technology, United States of America

Annotation-free Automatic Examination Essay Feedback Generation

Filipe Altoe, David Joyner

Georgia Institute of Technology, United States of America

Understanding Open Pedagogy for Designing a Constructivist Learning in Indian Massive Open Online Courses (MOOCs)

Felix Arokiya Raj A.P.[1], **Arul Aram I.**[2]

1: National Institute of Technical Teachers Training and Research, Chennai, India; 2: Anna University, Chennai, India

Scaling Open Educational Resources for Student Veterans and the Challenges of Assessing Their Impact

R.J. Jenkins[1], Paul Joseph Stengel[2]

1: Columbia Center for Vetrans Transition and Integration; 2: Columbia Center for Teaching and Learning

10:30am - 11:00am	**Refresh-2: Refreshment Break**
	Location: **Diercks Hall Atrium**

11:00am - 12:30pm	**Key-2: Keynotes 2**

Location: **Diercks Hall Auditorium**

Chair: **James Sluss**, University of Oklahoma - Tulsa

Zachary A. Pardos (Assistant Professor, UC Berkeley, USA), "A More Adaptive Future for MOOCs"

Miguel Amigot (Chief Technology Officer, IBL Education, USA), "Data and AI-Driven Learning with the IBL Platform"

12:30pm - 1:30pm	**Lunch-2: Lunch**
	Location: **Todd Wehr Auditorium**

1:30pm - 3:00pm	**Light-4: MOOCs, Collaboration and Development**

Location: **Diercks Hall Auditorium**

Chair: **Marco Winzker**, Hochschule Bonn-Rhein-Sieg

Chair: **Ting-Chuen Pong**, HKUST

Carlos Delgado-Kloos (Vice President, UC3M, Spain), "MOOCs for Development: Experience from the MOOC-Maker and COMPETEN-SEA Projects"

Presentation of LWMOOCS 2020, Antigua (Guatemala), 30th September, 1st-2nd October, 2020. Hector R. Amado-Salvatierra (University of Galileo, Guatemala)

Presentation of eMOOCS 2021, Postdam (Germany), 21st-...

Eight years of MOOCs for physicians across Latin America

Alvaro Margolis[1], **Antonio Lopez**[1,2]

1: EviMed, Uruguay; 2: School of Engineering, Universidad de la Republica, Uruguay

F-Lingo: Integrating lexical feature identification into MOOC platforms for learning professional and

	academic English **Alannah Fitzgerald**, Jemma König, Ian H. Witten The University of Waikato, New Zealand **Analyzing Student Code Trajectories in an Introductory Programming MOOC** **Ayesha Bajwa**[1], **Ana Bell**[2], **Erik Hemberg**[1], **Una-May O'Reilly**[1] 1: Massachusetts Institute of Technology, CSAIL, United States of America; 2: Massachusetts Institute of Technology, United States of America **Federal Funding Opportunity Announcements as a Catalyst of Students' Projects in MOOC Environments** **Enrique Alvarez Vazquez**, Mary Pearson, Lauren Singelmann, Ryan Striker, Ellen Swartz North Dakota State University, United States of America
3:00pm - 4:30pm	**Light-5: MOOCs and Learning Implementations** Location: **Diercks Hall Auditorium** Chair: **Thomas Staubitz**, Hasso Plattner Institute **Ting-Chuen Pong** (Professor, Hong Kong University of Science and Technology, Hong Kong), "Using MOOCs and Experiential Learning for Competency Development" **Experience of Offering MOOC on Research in Technical Education for Teachers and Lessons Learnt** **PK Tulsi** NITTTR, Chandigarh, India **Exploring SWAYAM: How India is Making MOOCs an Integral Part of its Education System** **Manoel Cortes Mendez**, Dhawal Shah, Suparn Padma Patra Class Central **21st Century Syllabus: Aggregating Electronic Resources for Innovation Based Learning** **Ryan Striker**, Mary Pearson, Ellen Swartz, Lauren Singelmann, Enrique Alvarez Vazquez North Dakota State University, United States of America **Surveying the MOOC Data Set Universe** **James J Lohse, Christine A McManus, David A Joyner** Georgia Institute of Technology, United States of America **Using Tough Love to Promote Active Learning** **Adena Schutzberg** Esri, United States of America
4:30pm - 5:00pm	**Buses: Board Busses for Offsite Travel**
5:00pm - 8:30pm	**Social-2: Miller Brewing Brewery Tour, Beer Sampling, and Dinner at the Historic Miller Inn**

Date: Friday, 25/Oct/2019

8:00am - 9:00am	**Break-3: Breakfast** Location: **Diercks Hall Atrium**	
8:00am - 5:00pm	**Media-3: Media and work** Location: **Diercks Hall 236**	**RegDesk-3: Registration Desk Open** Location: **Diercks Hall Atrium**

9:00am - 10:30am	**Light-6: MOOCs, Gender and Diversity** Location: **Diercks Hall Auditorium** Chair: **Erik AP Hemberg**, ALFA MIT CSAIL **Carina S. González** (Assistant Professor, Universidad de La Laguna/Open University of Catalonia, Spain), "MOOCs, Gender and Diversity" **Wilkistar Otieno** (Associate Professor and Chair of the Industrial and Manufacturing Engineering/Chair of IEEE Milwaukee Sectionr), "Could Gender and Diversity Representation be a Factor in the Universities and... 📥 **Student Readiness for Online Learning in relation to Gender and Stream of Study.** **Parminder Walia, Paramjit Kaur Tulsi, Amandeep Kaur** Sri Guru Gobind Singh College, Sector 26, Chandigarh, India **Solving Diversity Issues in University Staff Training with UNIPS Pedagogical Online Courses** **Samuli Daniel Laato**, Heidi Salmento, Neea Heinonen, Henna Vilppu, Emilia Lipponen, Henna Virtanen, Mari **Murtonen** University of Turku, Finland **Cultivating professional technical skills and understanding through hands-on online learning experiences** Julia S Mullen[1], Lauren Milechin[2], Albert Reuther[1] 1: MIT Lincoln Laboratory; 2: Massachusetts Institute of Technology
10:30am - 11:00am	**Refresh-3: Refreshment Break** Location: **Diercks Hall Atrium**
11:00am - 12:30pm	**Key-3: Keynotes 3** Location: **Diercks Hall Auditorium** Chair: **Russ Meier**, Milwaukee School of Engineering Chair: **Manuel Castro**, UNED **Kristina Wilson/Bonnie Tomlin** (Learning Developers, Fox Valley Technical College System, USA), "Basic Computer Skills Course MOOC – Creating a MOOC from the Ground Up" **Carina S. González** (Assistant Professor, Universidad de La Laguna/Open University of Catalonia, Spain), "Gamification and fun in MOOCs"
12:30pm - 1:30pm	**Lunch-3: Lunch** Location: **Diercks Hall Atrium**
1:30pm - 3:00pm	**Light-7: MOOCs, Technology and Active Learning** Location: **Diercks Hall Auditorium** Chair: **Kristinn Andersen**, University of Iceland John **Kotwicki/Isaac Bruss** (Mathworks, USA), "Collaborating with industry partners with the video creation process (preliminary)" **Portable Blended MOOC Laboratory** **Pedro Plaza[2], Elio Sancristobal[1], German Carro[1], Manuel Blazquez[1], Antonio Menacho[1], Felix García-Loro[1], Clara Perez[1], Javier Muñoz[2], Edmundo Tovar[3], JIm Sluss[4], Russ Meier[5], Manuel Castro[1]** 1: UNED, Spain; 2: Plaza robotica, Spain; 3: UPM, Spain; 4: University of Oklahoma, USA; 5: MSoE, USA **A MOOC for crossing boundaries in hospital classrooms through ICT** Carina Soledad González González[1], Verónica Violant Holz[2], Rebeca Villaroel Ramírez[1] 1: University of La Laguna/Open University of Catalonia, Spain; 2: University of Barcelona, Spain **The Impact of Incorporating Hands-on Raspberry Pi Projects with Undergraduate Education in Boosting Students' Interest in Scientific/Engineering Majors and Encouraging Women and Minorities to Advance their Integration in Practical Fields** Ayman Elmesalami, Hussam Hallak, Soad Ibrahim, Christy Low Old Dominion University, United States of America

	Improving learner experience and participation in MOOCs: A design thinking approach **Hanadi Traifeh**, Thomas Staubitz, Christoph Meinel Hasso Plattner Institute, University of Potsdam **Enhancing Educators' Social Presence in MOOCs: Design of Daily Video Blog** **Shun Arima**[1], Goki Miyakita[2], Motoki Yasui[3], Keiko Okawa[1,2] 1: Keio University Graduate School of Media Design; 2: Research Institute for Digital Media and Content, Keio University; 3: Keio University Press **Exploring Digital Cultural Heritage beyond MOOCs: Design, Use, and Efficiency of Generous Interfaces** **Goki Miyakita**[1], Shun Arima[2], Motoki Yasui[3], Keiko Okawa[2] 1: Research Institute for Digital Media and Content, Keio University; 2: Keio University Graduate School of Media Design; 3: Keio University Press
3:00pm - 4:30pm	**Light-8: New Technologies, Laboratories and Learners in MOOCs** Location: **Diercks Hall Auditorium** Chair: **PK Tulsi**, NITTTR, Chandigarh **Manoel Cortes** (Engineer & Writer, Class Central, Belgium), "The Full-Time Online Student: Benefits & Limitations" **Using MOOCs to Supplement Reading Courses: An Instructor's View** **Kristinn Andersen**, Saemundur E. Thorsteinsson, Helgi Thorbergsson, Karl S. Gudmundsson University of Iceland, Iceland **MOOC Videos in Project MANEUVER** **Magesh Chandramouli, Ge Jin, Daniel Cubillos** Purdue University NW, United States of America **Applying a Digital Learning Ecosystem to Increase the Effectiveness of a Massive Open Online Course** **Miguel Morales Chan, Mónica de la Roca, Roberto Barchino Plata, Rocael Hernández Rizzardini, Héctor Amado-Salvatierra** Universidad Galileo, Guatemala **Design and Development of a Machine Learning Tool for an Innovation-Based Learning MOOC** **Lauren Singelmann**, Ellen Swartz, Mary Pearson, Ryan Striker, Enrique Alvarez Vazquez North Dakota State University, United States of America **Framework for the Development of Virtual Labs for Industrial Internet of Things and Hyperconnected Systems** **Maurice Dawson**[1], Francisco Garcia Martinez[1], Pedro Taveras[2] 1: Illinois Institute of Technology, United States of America; 2: IS & Telematic Technologies, Policia Nacional Dominicana, Dominican Republic **Driving Change Using MOOCs in a Blended and Online Learning Environment** **Mary Pearson**, Ellen Swartz, Enrique Alvarez Vasquez, Ryan Striker, Lauren Singelmann North Dakota State University, United States of America
4:30pm - 5:00pm	**Aw-Close: MOOCs Social Learning Experience - Awards Ceremony and Closing Statements** Location: **Diercks Hall Auditorium** Chair: **Russ Meier**, Milwaukee School of Engineering Chair: **Manuel Castro**, UNED **Awards Presentation: Russ Meier (MSoE/IEEE, USA), Manuel Castro (UNED/IEEE, Spain)** **Closing Table: Russ Meier (MSoE/IEEE, USA), Hector R. Amado-Salvatierra (Galileo University, Guatemala), Jim Sluss (University of Oklahoma/IEEE, USA), Manuel Castro (UNED/IEEE, Spain)**