

**2nd Annual Learning & Student Analytics Conference:
Deploying Artificial Intelligence to Improve Learning while Ensuring Privacy**

#LSAC 2018

UvA: REC-A Building, Nieuwe Achtergracht 166, 1018 WV Amsterdam

October 22, 2018

- 10.00-10.05** Word of welcome
- 10.05-11.00** Keynote Timothy A. McKay
- 11.00-11.30** COFFEE BREAK
- 11.30-13.00** Scientific Research Presentations - Parallel Sessions:
Session 1.1 Serious gaming and Recommendation systems
Session 1.2 Pattern modeling of online study behaviour
Session 1.3 SURF SIG LA: "Show us what you have"
- 13.00-14.00** LUNCH
- 14.00-15.00** Panel discussion Policies: privacy and ethics
- 15.00-15.30** COFFEE BREAK
- 15.30-17.00** Workshops - Innovations and policy challenges:
Workshop 1.1 ICT in education and the Educational Inspectorate
Workshop 1.2 LA leadership and AI
Workshop 1.3 Scaling grassroots projects
- 19.30-22.30** CONFERENCE DINNER



10.00-11.00 Keynote Tim McKay Room: A1.02

11.00-11.30 Coffee Break Location: REC-A Balcony

11.30-13.00 Research Presentations - Parallel Sessions

Session 1.1 Serious gaming and recommendation systems

Room: A2.09 Chair: Tara Donker

Cristina Alonso-Fernandez, University of Madrid

Applications of Learning Analytics to assess Serious Games

Christian Weber, University of Siegen

Teacher, Student and Domain Based Educational Recommender System for Assessing Student's Preferences on Multiple Recommendation Sources

Tara Donker, Vrije Universiteit Amsterdam

Self-guided App-Based Virtual-Reality Cognitive Behavior Therapy for Acrophobia: A Randomized Controlled Trial

Session 1.2 Pattern modeling of online study behaviour

Room: A1.02 Chair: Sophie Cormack

David Stap, University of Amsterdam

Predictive power of online learner behaviour data: a learning analytics case study

Kongkiat Kespechara, Sodsri-Sridwong foundation for Thai education reform

Using Tag-Bot and learning analytic to evaluate Media Literacy in rural primary schools in Thailand

Sophie Cormack, University of Sunderland

Detecting student procrastination through learning analytics

Session 1.3 SURF SIG LA: "Show us what you have"

Room: A2.11 Chair: Maren Scheffel

Alan Berg, Central Services (ICTS), University of Amsterdam

LA in Dutch Higher ED: A panel discussion with the SURF Special Interest Group

Maren Scheffel, Open Universiteit

SHOW US WHAT YOU HAVE! – A SURF SIG Learning Analytics session to gather and share information about the who, why, what, when and how of learning analytics in the Netherlands

13.00-14.00 Lunch

Location: REC-A Balcony

14.00-15.00 Panel Policies: privacy and ethics

Room: A1.02 Chair: Gábor Kismihók

Panelists: Dominique Campman, Maren Scheffel, Thalita Langedam, Melissa de Gast

15.00-15.30 Coffee Break

Location: REC-A Balcony

15.30-17.00 Workshops: Innovations and LA policy challenges

Workshop 1.1 ICT in education and the Educational Inspectorate

Room: A2.11 Chair: Tijana Breuer

Workshop 1.2 LA leadership and AI

Room: A1.02 Chair: Petra Ardai

Workshop 1.3 Scaling grassroots projects

Room: A2.09 Chair: Frank Benneker

Ed Foster, Nottingham Trent University

Going beyond the pilot: the ongoing challenges of implementing learning analytics throughout the institution

Tom Broos, KU Leuven

Lessons learnt from a bottom-up approach to Learning Analytics at scale

Fred Pope, University of Amsterdam

The Second Year Dip & Dashboard

19.30-22.30 CONFERENCE DINNER

KIT | Meetings & Events, Restaurant De Tropen

Location: Mauritskade 63, 1092 AD Amsterdam

ROUTE DESCRIPTION & PARKING RESTAURANT DE TROPEN

By car Leave the highway A10 via the exit Watergraafsmeer/ Diemen (S113) and follow the direction to Centrum/Watergraafsmeer. This street is called 'Middenweg' and will change into 'Linnaeusstraat'. KIT | Meetings & Events is located at the end of this street, at the corner with the Mauritskade.

By public transport Tram stop Alexanderplein is located in front of KIT | Meetings & Events. This tram stop can be reached as follows:

From Amsterdam Central Station: tram 9; stop Alexanderplein
From Amsterdam Muiderpoort Station: tram 3 or 7; stop Linnaeusstraat
From Amsterdam city center: tram 10 or 14; stop Alexanderplein

Taxi rank At 100 meters of KIT | Meetings & Events is a taxi rank, which is situated at the Linnaeusstraat, in front of the Amsterdam Tropen Hotel.

Parking KIT | Meetings & Events has 50 parking spaces on its own property at the Linnaeusstraat. These places must be reserved in advance and are available for a small amount. In the area of KIT | Meetings & Events are also enough on-street parking places available.

DETAILED PROGRAMME CONTENT INFORMATION – OCTOBER 22

Keynote Tim McKay, University of Michigan

Educational institutions hold equity as a central goal. Learning analytics can play a central role in achieving this goal. First, data are essential for probing equity. To provide an example, Tim will describe the discovery of a pattern of gendered performance differences in large foundational courses, both at Michigan and at an array of other Universities. Data can also help create solutions, as when we use tools like ECoach to personalize education. ECoach allows us both to learn more and to experiment with possible interventions. Research like this is essential for advancing equity. Data can also help to connect research and practice, providing the evidence necessary to motivate change, and creating the sociotechnical conditions for sustained reform.

Workshop 1.1 ICT in education and the Educational Inspectorate

Chair: Tijana Breuer

Tijana Breuer is a senior policy analyst at the Ministry of Education (Inspectorate) with professional experience in research, public sector and international organizations (OECD and the World Bank). She is currently leading the external collaborations program from the Educational Inspectorate. The program is a platform where policy makers and academics work together to create innovative approaches to policy and educational system level assessment. She studied economics in Amsterdam and Milan and holds a PhD from the European University Institute (EUI) in Florence.

Session details

For a long time now ICT applications are entering classrooms in the Dutch Educational system. This has raised a discussion about the evidence based application of the ICT in the learning process and the implications it has for the role of the Educational Inspectorate. The session address these key open questions. Together with participants we hope to come to more insights about the direction in which we should steer the innovation of current monitoring tools.

Workshop 1.2 LA leadership and AI

Chair: Petra Ardai

Petra is theatre-maker, moderator and lecturer specialised in future scenario's. She is artistic leader of the Amsterdam and Budapest based art collective SPACE. SPACE has wide experience in documentary theatre and immersive collaborative storytelling in divers media. SPACE produces performances, multimedia installations, online art, living heritage apps and instant visionary fiction. Her latest project is **Digest The Future** a series of conversation pieces on: **Who owns the future?**

Session details

If we can see the future we want, we can shape it too! In this interactive art and science workshop we'll create a future scenario on AI in education. Fiction and storytelling is a widely used tool in understanding reality, often implemented in practices of –for example- (social)engineering, education or trauma processing. Mythology, traditional storytelling, hypotheses or speculative fiction have the same source and potential. They build imaginary worlds that allow unlimited but safe experimentation with thoughts and 'wild idea's'. During the workshop we'll work with immersive collaborative storytelling, zoom in and reflect on the method.

Workshop 1.3 Scaling grassroots projects

Chair: Frank Benneker

Innovation, ideas and visions for e-learning at the University of Amsterdam is at the core of Frank's work. His of field expertise is the introduction and implementation of e-learning solutions, trend analysis & spotting innovative and practical ICT solutions for education and research. At present he is a member of the executive staff in the position of Information & ICT Manager on Education. For the University of Amsterdam, he is one of the architects of the e-learning infrastructure. He was the Apereo (Sakai) representative of the University of Amsterdam for more than decade. In 2007 & 2011 he was the local host of the 7th Sakai conference & 4th European Sakai conference in Amsterdam. Frank was a member (NEN) the Dutch standards organisation on e-learning standards and involved in several projects in the Netherlands in which e-learning specifications are being developed and implemented. Frank studied Philosophy at Utrecht University (the Netherlands) and Industrial Robotics at the Utrecht University of Applied Sciences. Since 1999 Franks is working at the UvA.

Session details

Grassroots are a way to promote new ideas and practices within our institutions. Teachers and students have keen inside in the new technology needs for a particular class or a series of lectures and are often initiators of the grassroot projects. Grassroots are often quite successful in realising their original goals. The challenge institutions are facing is how to develop a successful bottom approach like a grassroot programme into a sustainable driving force of introducing new possibilities and innovations in our institutions. In the session we will investigate and elaborate on the challenges several universities have experienced. The focus will be on how to be more than a niche innovation. What are triggers for change that a grassroot approach can introduce an bring to table to actually be a real driving force for a mainstream innovation process?