

המרכז לחקר חדשנות בטכנולוגיות למידה

הציבור מוזמן להרצאתו של
ד"ר גיורא אלכסנדרון

What does your digital footprint say about you?
(Machine Learning to understand Human Learning)



יום רביעי, ט"ו בטבת תשפ"א, 30 בדצמבר 2020, בשעה 13:00
ההרצאה תועבר באמצעות מערכת ZOOM

תקציר

The high-resolution learner activity data that modern online learning environments collect provide a unique opportunity to study ways to improve the pedagogy of interactive learning environments. Applications include *adaptive learning* algorithms that can provide timely feedback and recommend activities to individual students based on their preferences and state of knowledge; and *learning analytics* that provide actionable insights about students learning, and can be used to improve instruction, optimize the pedagogic design, and identify students at risk, among other things.

My research centers on these directions in MOOCs and K12 learning environments. In the talk, I will present results from studies that use machine learning and data mining methods to study the behavior of learners, with the goal of optimizing the design of learning environments, adapting to the needs of individual learners, and detecting and preventing bias and unauthorized behaviors.

על המרצה

Dr. Giora Alexandron is a senior scientist at the Department of Science Teaching, Weizmann Institute of Science, and the head of the Computational Approaches to Science Education (CASEd) research group. His research centers on Learning Analytics, Educational Data Science, and CS Education, mainly in K-12 blended learning environments and Massive Open Online Courses (MOOCs).

Prior to joining the department in 2017, he served as the Chief Data Scientist of the Center for Educational Technology, and conducted a postdoctoral research in the Physics Department at Massachusetts Institute of Technology (MIT). Giora holds PhD in Computer Science Education from Weizmann Institute (2014), MSc in Computer Science from Tel-Aviv University (2005), and BA in Computer Science from the Academic College of Tel Aviv-Yafo (2001).

Between 2003 and 2010 he held various engineering and management roles in Verisity, an Israeli-based start-up, and then in Cadence Design Systems that acquired it. Was born and raised in a Kibbutz in the Northern part of Israel.

ההרצאה תינתן בשפה העברית

