Science and Mathematics Learning Technologies in Education: Innovation and Pedagogical Aspects

March 26, 2018 | Weizmann Institute of Science

09:00 Registration and Refreshments

09:00-09:15 Greetings
Prof. Anat Yarden, Weizmann Institute of Science

09:15-10:15 Opening Session
Prof. Gail Jones, NC State University
Keynote lecture: Presence, Development and Visualization: Learning Science with Haptic and Virtual Reality Technologies

10:15-10:35 Coffee Break

10:35-11:45 Parallel Sessions
Chair: Ella Yonai, Weizmann Institute of Science
Experiences from the classroom: Tangram-based puzzle as a tool for developing geometric thinking levels in a technological and tangible environments
Huda Shayeb and Michal Tabach, Tel-Aviv University

Visual skills and their importance in teaching and in online exams in biology
Rivka Misgav, Biology moderator and MSc student in The Rothschild-Weizmann Program

Learning Genetics on the Fly: Interrelating Three Conceptual Models in Genetics
Michal haskel-Ittah, Weizmann Institute of Science & Rutgers, The State University of New Jersey
Anat Yarden, Weizmann Institute of Science

11:45-12:30 Panel: Scientific online courses in the eyes of participating students
Chair: Rachel Rosanne Eidelman, Weizmann Institute of Science

12:30-13:30 Lunch Break

13:30-14:15 Parallel Sessions
Chair: Gil Schwarts, Weizmann Institute of Science
Workshop: Mathematic Education Research Perimeter - More Points of View
Gali Shimoni, Israel Center for Excellence through Education

13:30-14:15 Chair: Ohad Levkovich, Weizmann Institute of Science
Workshop: Online modeling tool Using a free Online Modeling Tool
Tom Bielik, Michigan State University

14:15-15:15 Closing session

14:15-15:00 Avi Warshavsky, MindCET CEO
Startup, Evolution and the Future of Education: Educational Technological Entrepreneurship

15:00-15:15 Summary

The conference was organized by research students from the department of science teaching with support of the academic staff

Organizing Committee
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The Open University of Israel
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