



Learning in the Technological Era: Proceedings of the 10th Chais Conference for the Study of Innovation and Learning Technologies

**Editors: Yoram Eshet-Alkalai, Ina Blau, Avner Caspi, Nitza Geri,
Yoram Kalman, Vered Silber-Varod**

Tuesday-Wednesday, February 10-11, 2015

האדם הלומד בעידן הטכנולוגי: ספר הכנס העשירי לחקר חדשנות וטכנולוגיות למידה ע"ש צ"י

עורכים: יורם עשת-אלקלעי, אינה בלאו, אבנר כספי, ניצה גרי, יורם קלמן, ורד זילבר-ורוד

שלישי-רביעי, כ"א-כ"ב בשבט תשע"ה, 10-11 בפברואר 2015

אנא פתחו את הספר מצדו השני לתכנים בעברית.

<http://www.openu.ac.il/innovation/chais2015/>

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- Dr. Ina Blau (The Open University of Israel)
- Dr. Dani Ben-Zvi (University of Haifa)
- Prof. Judit Bar Ilan (Bar-Ilan University)
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- Prof. Ayelet Baram-Tsabari (Technion – Israel Institute of Technology)
- Dr. Nitzza Geri (The Open University of Israel)
- Dr. Ronen Hamer (Holon Institute of Technology)
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- Prof. Yair Levy (Nova Southern University)
- Prof. David Mioduser (Tel Aviv University)
- Dr. Sigal Eden (Bar-Ilan University)
- Prof. Yair Amichai-Hamburger (Interdisciplinary Center (IDC))
- Dr. Yehuda Peled (Western Galilee Academic College, Ohalo College)
- Dr. Gila Kurtz (The College for Academic Studies in Or Yehuda)
- Dr. Yoram Kalman (The Open University of Israel)
- Dr. Gilad Ravid (Ben-Gurion University of the Negev)
- Prof. Miky Ronen (Holon Institute of Technology)
- Dr. Miri Shonfeld (Kibbutzim College of Education, Technology and the Arts, The MOFET Institute)

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- Assaf Shambi (Public Relations)
- Meir Itzhaki (Operations Center)
- Ravid Morad (Computer Center)

Cover design: Zeev Perl

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The Usage of Emoticons in WhatsApp Instant Text Messaging Application

Shani Sharabani, Sagy Kreif, Moshe Leiba

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Gidi Yehoshua, Ran Landau

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Conference Program

Tuesday, February 10, 2010

08:30-9:30 Networking and Registration

9:30-10:45 Opening Session (Chais Auditorium)

Chair: **Vered Silber-Varod** (Organizing Committee Chair, Chais 2015 Conference)

Welcoming Remarks

Kobi Metzger, President, The Open University

Nitza Geri, Head, The Research Center for Innovation in Learning Technologies, The Open University



Announcing the finalists for the **Best Student Paper Award**

Opening Keynote

Prof. Yochai Benkler

Harvard University

Open Network Innovation and Exploration: Drivers, Benefits, and Challenges

10:45-11:00 Coffee Break

11:00-12:00 Parallel Session A

A1 Visual-based Learning (Neudorfer Auditorium)

Chair: **Anat Yarden** (The Weizmann Institute of Science)

Studying the Characteristics of Video Usage by Learners in MOOC

Tali Kahan (Tel Aviv University), Tal Soffer (Tel Aviv University), Rafi Nachmias (Tel Aviv University)

Patterns of Online Video Lectures Use and Impact on Student Achievement

Nitza Geri (The Open University of Israel), Amir Winer (The Open University of Israel)



Nominee for Best Student Paper Award

Computer Animation: Long-Term Improvement in Academic Achievements of Electronics Students

Aharon Gero (Technion – Israel Institute of Technology), Wishah Zoabi (Ort Braude College)

A2 Attitudes towards ICT in Education Systems (Chais Auditorium)

Chair: **Ayelet Baram-Tsabari** (Technion – Israel Institute of Technology)

Facilitating and Delaying Forces in the Integration of ICT among Teacher Educators in Teacher Training Colleges

Orit Avidov-Ungar (Achva Academic College, The Open University of Israel), Irit Emma Iluz (Be'eri Experimental School, Achva Academic College)

Educational Technology and Library and Information Science Students' Attitudes towards ICT Use

Miri Shonfeld (Kibbutzim College of Education, Technology and Arts; MOFET Institute), Noa Aharoni (Bar Ilan University)

The Perceived Contribution of Online Courses to Learning as Assessed by "Average" Students and Students with Learning Disabilities

Ilana Ronen (Kibbutzim College of Education, Technology and Arts), Miri Shonfeld (Kibbutzim College of Education, Technology and Arts; MOFET Institute)

A3 Students meet with Prof. Yochai Benkler (Kanbar Hall)

Chair: **Yoram Kalman** (The Open University of Israel)

12:00-13:00 Lunch Break

13:00-14:00 Parallel Session B

B1 Open Educational Resources (Neudorfer Auditorium)

Chair: **Rafi Nachmias** (Tel Aviv University)



OER Usage of Instructional Designers

Eli Merkel (Tel Aviv University), Anat Cohen (Tel Aviv University)

Educators' Use of the Open Education Resource (OER) Repository of the National Library of Israel

Karen Ettinger (Tel Aviv University), Anat Cohen (Tel Aviv University)



"Will a Black Hole Eventually Swallow Earth?": Fifth Grades' interest in Questions from Textbook, Open Network Resource and Other Students' Questions

Hani Swirski (Technion – Israel Institute of Technology), Ayelet Baram-Tsabari (Technion – Israel Institute of Technology)

B2 Mobile Technology

(Chais Auditorium)

Chair: **Gilad Ravid** (Ben-Gurion University of the Negev)

Using Tablets in the Class Room- Implications for Teaching and Learning

Edith Manny-Ikan (Henrietta Szold Institute), Tal Berger Tikochinski (Henrietta Szold Institute), Zipi Bashan (Henrietta Szold Institute), Iris Wolf (World Ort Kadima mada)

Project Based Learning Using Mobile Technologies: A Portrayal of the Process and Its Effects on Teaching, Attitudes and Educational Beliefs

Anat Shayovits (Kaye Academic College of Education), Merav Asaf (Kaye Academic College of Education)



Implications of the One-to-One Learning Model on Teachers' Pedagogical Perceptions and Educational Discourse in the Classroom

Yehuda Peled (Western Galilee Academic College), Ina Blau (The Open University of Israel), Ronen Grinberg (The Open University of Israel)

B3 Poster session I

(Kanbar Hall)

Chair: **Ronen Hammer** (Holon Institute of Technology)

Introducing INTUITEL – an Intelligent Tutorial Interface for Technology Enhanced Learning

Eran Gal (Holon Institute of Technology), Dan Kohen-Vacs (Holon Institute of Technology), Miky Ronen (Holon Institute of Technology)

Nature Photography and Haiku Writing Enhanced by Mobile Technologies and Social Media

Tali Gil (Oranim Academic College of Education), Hagit Meishar Tal (Holon Institute of Technology, Oranim Academic College of Education, The Open University of Israel)

Should We Calculate a New Route?

Tamar Maya Golan (Holon Institute of Technology), Lilach Gal (Holon Institute of Technology), Moshe Leiba (Holon Institute of Technology)

An Educational Game for Learning Photography in Low-Achieving Students

Alex Novikov (Holon Institute of Technology), Ilan Danon (Holon Institute of Technology), Moshe Leiba (Holon Institute of Technology)



Learning Spanish with the Duolingo Online Environment: Learning Effectiveness and Effect on Learner Motivation

Liran Shaar (Holon Institute of Technology), Nitzan Sayag (Holon Institute of Technology)

Capturing the Moment: Students' Use of Smartphones for Documenting Learning Materials

Nicole Ginsberg (Holon Institute of Technology), Omer Dotan (Holon Institute of Technology), Dorothy Langley (Holon Institute of Technology)

Massive Multiplayer Online Gamers – Leadership Behavior in the Game Scene and Work Scene

Eran Vaizman (Holon Institute of Technology), Daniel Mouhrar (Holon Institute of Technology)

The Usage of Emoticons in WhatsApp Instant Text Messaging Application

Shani Sharabani (Holon Institute of Technology), Sagy Kreif (Holon Institute of Technology), Moshe Leiba (Holon Institute of Technology)

A Development Indicator for Examining Designed Applications for Students with Autism Spectrum Disorders

Leonor Daya (Kibbutzim College of Education, Technology and Arts), Betty Shrieber (Kibbutzim College of Education, Technology and Arts)

Developing Written Expression on Social Networks, for students with Complex Learning Disabilities

Zipi Avidan (Kibbutzim College of Education, Technology and Arts), Betty Shrieber (Kibbutzim College of Education, Technology and Arts)

New Technology in a National Crisis Situation: "WhatsApp" and Its Role in "Protective Edge" Operation

Vered Malka (Yezreel Valley College), Yaron Ariel (Yezreel Valley College), Ruth Avidar (Yezreel Valley College), Eilat Chen Levy (University of Haifa)

14:00-14:30 Coffee Break and Poster Exhibition Tour

14:30-16:00 Parallel Session C

C1 Simulations and Games in Learning (Neudorfer Auditorium)

Chair: **Sarit Barzilai** (University of Haifa)

Computerized Simulations of the Israeli-Palestinian Conflict, Knowledge Acquisition and Attitude Change: Comparing Global Conflicts and PeaceMaker

Ronit Kampf (Tel Aviv University), Esra Cuhadar (Bilkent University)

The Effect of Competence-Based Simulations on Management Skills Enhancements in E-Learning Courses

Yair Levy (Nova Southeastern University, USA), Michelle M. Ramim (Hodges University, USA)

QRace – Are We Ready for This Race?

Rotem Israel (Holon Institute of Technology), Miky Ronen (Holon Institute of Technology), Sapir Kalderon (Holon Institute of Technology), Hila Shoham (Holon Institute of Technology)



Scaffolding Digital Game-Based Learning at School: Relationships among Learning Achievements, Perceived Learning, and Game Experiences

Tzipi Rosenfeld (The Open University of Israel), Sarit Barzilai (University of Haifa), Ina Blau (The Open University of Israel)

C2 Collaboration in Learning (Chais Auditorium)

Chair: **Sigal Eden** (Bar Ilan University)

A Table for Four: Collaborative Writing in Shared Cloud Documents

Ariella Levenberg (Technion – Israel Institute of Technology), Miri Barak (Technion – Israel Institute of Technology)

The Surprising Role of Self-Efficacy in Collective Problem Solving

Dorit Geifman (University of Haifa), Daphne R. Raban (University of Haifa)

Activity Patterns of Students in a "Facebook group" and its Contribution to Traditional Learning Process

Eddie Laventman (Tel Aviv University), Anat Cohen (Tel Aviv University), Rafi Nachmias (Tel Aviv University)

Does Constructivist Learning Environment Predict Digital Literacy? An Analysis of TROFLEI Scale

Noga Magen-Nagar (Gordon Academic College for Education, Ministry of Education),
Pnina Steinberger (Orot College of Education), Roni Dayan (Ministry of Education)

C3 Poster Session II

(Kanbar Hall)

Chair: **Yoel Rothschild** (Ort Israel)

"Questions Are Answers" – Philosophical Practice for Middle School

Yair Ben-Horin (Ort Israel), Moshe Talesnik (Ort Israel)

WordPress Based Schools Websites

Jonathan Lerner (Ort Israel)

Financial Literacy for High School Students

Lizi Henik Popovich (Ort Israel), Michal Biran (Ort Israel), Yoel Rothschild (Ort Israel)

Moodle at ORT Israel: The adaptation and Integration Process of Moodle Learning Management System (LMS) in ORT Israel

Michal Giladi (Ort Israel)

Digital Books

Tal Balog Levi (Ort Israel), Hila Simakov (Ort Israel)

"It's a Small World" – Teaching Cutting Edge Content Through a Blended Learning Course

Nira Shimoni-Ayal (Ort Israel), Nili Mozes Bloch (Ort Israel), Michal Biran (Ort Israel)

Risk Taking in Language Learning and the Advantage of Using Video Games as an Educational Tool

Itamar Shatz (Tel Aviv University)

Sharing Learning Materials via SNS: Altruistic Behavior in a Competitive World?

Edith Bouton (The Hebrew University of Jerusalem), Christa Asterhan (The Hebrew University of Jerusalem)

Teaching "Fixed Income Fundamentals" in an Interactive Hands-On Environment

Eliezer Prisman (York University)

The "Nachshon" Program – Online Mentoring Model in Mathematics and Science, to Improve Study Achievements in Geographic Periphery and Social Periphery

Sigal Atzmon (CET), Ada Chen (CET), Shlomi Namir (CET), Daniel Ben Eliezer (CET),
Eran Kirshner (CET)

Identification of Teaching-Learning Pedagogies on MOOC

Smadar Yona (Tel Aviv University), Anat Cohen (Tel Aviv University)

Kindergarten Teachers' Perceptions of Their Role in the ICT Environment

Esther Firstater (Gordon Academic College for Education), Noga Magen-Nagar (Gordon Academic College for Education), Nitza Schwabsy (Gordon Academic College for Education)

16:00-16:30 Coffee Break and Poster Exhibition Tour

16:30-17:45 Closing Session

(Neudorfer Auditorium)

Chair: **Ina Blau** (The Open University of Israel)

Closing Keynote

Prof. Sarit Kraus

Bar Ilan University

**Intelligent Computer Systems Which Have Human
Communication Skills**

Wednesday, February 11, 2015

8:30-9:30 **Networking and Registration**

09:30-10:30 **Opening Session** (Chais Auditorium)

Chair: **Yoram Eshet-Alkalai** (Program Committee chair, Chais 2015 conference)



Best Student Paper Award

Opening keynote

Prof. Sarah Guri-Rosenblit

The Open University of Israel

Distance Education in the Digital Era: An Identity Crisis?

10:30-10:45 **Coffee Break**

10:45-11:45 **Parallel Session D**

D1 Ethics on the Net

(Neudorfer Auditorium)

Chair: **Michelle M. Ramim** (Hodges University)

Normative Beliefs about Cyberaggression in Israeli Youth

Yehuda Peled (Western Galilee Academic College), Efrat Pieterse (Western Galilee Academic College)

Development of an Educational Program for Smart Use of the Internet for Young Children and Testing Its Success

Edni Naifeld (University of Haifa, Ohalo College), Azy Barak (University of Haifa)



Scientific and Ethical Literacy in Authentic Public Comments in Online Climate Change News Coverage

Esther Laslo (Technion – Israel Institute of Technology), Ayelet Baram Tsabari (Technion – Israel Institute of Technology)



Nominee for Best Student Paper Award

D2 Cognition and Learning

(Chais Auditorium)

Chair: **Gal Ben Yehuda** (The Open University of Israel)**Incorporating Metacognition into Usability Testing**

Fareda Nassar (Technion – Israel Institute of Technology), Rakefet Ackerman (Technion – Israel Institute of Technology), Avraham Shtub (Technion – Israel Institute of Technology)

5-7 Year Old Children's Conceptions of Behaving Artifacts and the Influence of Constructing Their Behavior on the Development of Theory of Mind

Karen Spektor-Precel (The Open University, Tel Aviv University), David Mioduser (Tel Aviv University)

Comparing Perceived Learning and Visualizing-Verbalizing Learning Styles of Middle-School Students in One-to-One versus One-to-Many Laptop Models

Ina Blau (The Open University of Israel), Yehuda Peled (Western Galilee Academic College)

D3 Students meet with Prof. Sarah Guri-Rosenblit

(Kanbar Hall)

Chair: **Ronit Bogler** (The Open University of Israel)

11:45-13:00 Lunch Break

13:00-14:30 Parallel Session E**E1 Technology and Teaching**

(Neudorfer Auditorium)

Chair: **Dani Ben-Zvi** (University of Haifa)**Teachers as Designers: Promoting Teacher Professional Growth to Advance Technology Integration in Outdoor Inquiry Teaching**

Keren Sarah Levy (Technion – Israel Institute of Technology), Yael Kali (University of Haifa), Tali Tal (Technion – Israel Institute of Technology)

Sense of Empowerment Among School ICT Coordinators

Orit Avidov-Ungar (Achva Academic College, The Open University of Israel), Limor Hanin-Ithak (Achva Academic College)

Former High-Tech Employees Becoming High School Mathematics Teachers in a Computerized Environment

Galit Slutzky (Tel Aviv University), Michal Tabach (Tel Aviv University)

Technology-Enhanced Teacher Learning Community

Tamar Novik (University of Haifa), Dani Ben-Zvi (University of Haifa), Sharona T. Levy (University of Haifa)

E2 Interaction and Learning in Social Networks

(Chais Auditorium)

Chair: **Avner Caspi** (The Open University of Israel)

The Role of Teacher-Student Social Network Contact in Wartime: A Mixed Method Approach

Hananel Rosenberg (The Hebrew University of Jerusalem, Ariel University of Samaria), Yaakov Ophir (The Hebrew University of Jerusalem), Christa Asterhan (The Hebrew University of Jerusalem), Baruch Schwarz (The Hebrew University of Jerusalem)



Faculty, Students and Facebook: The Challenge for Building Positive Relationships with Students Versus the Risks of Losing Reputation

Mamoon Abu Elheja (The Open University of Israel), Avner Caspi (The Open University of Israel)

Teacher-Student SNS-Mediated Communication and Teacher-Student Relationships: A View from Both Sides

Alona Forkosh-Baruch (Levinsky College of Education; Tel Aviv University), Arnon HersHKovitz (Tel Aviv University), Rebecca Ang (National Institute of Education, Singapore)



The Role of Social Media in Learning and Social Integration among Students of Ethiopian Origin

Meital Amzalag (University of Haifa), Nelly Elias (Ben-Gurion University of the Negev), Yael Kali (University of Haifa)

E3 Poster Session III

(Kanbar Hall)

Chair: **Miri Shonfeld** (Kibbutzim College of Education, Technology and Arts; MOFET Institute)

Empathy Processes among Jewish Teachers and Students in Israel: How to Use Technology to Cultivate Them?

Noa Shapira (University of Haifa, CET), Yael Kali (University of Haifa), Hagai Kupermintz (University of Haifa)

Breaking Boundaries Between Disciplines, Learners and Organizational Hierarchies to Promote Interdisciplinary Understanding

Adi Kidron (University of Haifa), Yael Kali (University of Haifa), Iris Wolf (Kadima Mada (World ORT))

Virtues and Pitfalls of Laypeople's Evidence-based Reasoning with Science Reports in Popular News Media

Shira Soffer-Vital (Ben-Gurion University of the Negev), Sarit Barzilai (University of Haifa), Iris Tabak (Ben-Gurion University of the Negev)



Exploring Cyber Victimization among Middle School Students with Visual and Hearing Disabilities

Tali Heiman (The Open University of Israel), Dorit Olenik Shemesh (The Open University of Israel), Dana Kaspi-Tsahor (The Open University of Israel)

The Significance of Computer Use for the Visually Impaired Elderly on their Quality of Life

Shosh Socolovsky (The Open University of Israel), Tali Heiman (The Open University of Israel)

The Faculty of Dishonesty Studies: Coping with Academic Dishonesty in Academia – Crime and Punishment

Adi Friedman (The Open University of Israel), Ina Blau (The Open University of Israel), Yoram Eshet-Alkalai (The Open University of Israel)

Gender Differences in Collaborative Digital Navigation: Active Participation and Driver's Perception of Information Accuracy

Ronit Lis Hacohen (The Open University of Israel), Vered Silber-Varod (The Open University of Israel), Ina Blau (The Open University of Israel)

Intrinsic Motivation, Satisfaction, and Attitudes to Technology in a Collaborative Project in Higher Education

Miri Shonfeld (Kibbutzim College of Education, Technology and the Arts; The MOFET Institute), Noga Magen-Nagar (Gordon College of Education, Ministry of Education)

Pedagogical Considerations of Instructors Who Teach MOOCs at Tel Aviv University

Eynat Livne (Tel Aviv University), Tal Soffer (Tel Aviv University), Rafi Nachmias (Tel Aviv University)

Students' Perceptions Meaningful Learning via ICT

Sigal Dori (The College for Academic Studies in Or Yehuda), Gila Kurtz (The College for Academic Studies in Or Yehuda)

Technology's Contribution to Kindergartens

Hana Hertsman (The College for Academic Studies in Or Yehuda)

E4 workshop

(Krueger Hall)

**Learning from the Tube: New TV Genres in the Service of Pedagogy – Video Workshop
on New Trends for Educational TV and Internet Content**

Gidi Yehoshua (Mandel leadership Institute, Sapir academic college), Ran Landau (Berlin
Entertainment Class)

14:30-15:00 Coffee Break and Poster Exhibition Tour

15:00-16:00 Closing Session

(Neudorfer Auditorium)

Chair: **Nitza Geri**, Head, The Research Center for Innovation in Learning Technologies, The
Open University

Closing Keynote**Prof. Yoav Yair**

Dean of the School of Sustainability at the Interdisciplinary Center Herzliya, and The
Open University of Israel

Sustainability, Technology and In Between

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