



The Open University of Israel



EUROPEAN DISTANCE
AND E-LEARNING NETWORK

מרכז המחקר
לשילוב טכנולוגיות בהוראה ע"ש צ"ס **Ch@is**
Chais Research Center for the Integration of Technology in Education

**Learning in the Technological Era
Chais Conference
on Instructional Technologies Research 2008**

February 6, 2008
<http://www.openu.ac.il/chais2008>

Program

8:15-9:00 Registration

9:00-10:30 Opening Session

Chair: Prof. Yoram Eshet-Alkalai

Welcome Address

Prof. Gershon Ben-Shakhar, President, The Open University of Israel

Prof. Yoram Eshet-Alkalai, Head, Chais Research Center

Keynote Lecture

Prof. Barbara Tversky, Stanford University

Cognitive Principles of Information Visualization

10:30-10:45 Break

10:45-11:45 Parallel Session A

A.1 Online Courses

Chair: Dr. Nitza Geri

The Test of Technology: An Empirical Study of Online Courses

Nitza Davidovitch, Alexander Domoshnitsky, Roman Yavich

Easy as E-Mail? Probing the Slow Adoption of an Online Assignment Submission System

Orit Naor-Elaiza, Nitza Geri

An Effective Blended Learning Solution Overcoming Pedagogical and Technological Challenges in a Remote Area – A Case Study

Danny Glick

A.2 Learning in a Wiki Environment - I

Chair: Edna Tal-Elhasid

The Use of Wiki in a Knowledge Management Academic Course: A Qualitative Investigation

Noa Aharony

Wikis in Academic Courses: An Institutional Perspective

Hagit Meishar-Tal, Edna Tal-Elhasid, Yoav Yair

Using Wiki to Support Inquiry Learning in Higher Education

Rachel Levin-Peled , Yael Kali

A.3 Thinking and Cognition

Chair: Prof. David Mioduser

Thinking Styles in a Virtual Learning Course

Golan Carmi, Dan Bouhnik

Experience or Age? Long-Range Changes in Digital Thinking Skills: A Follow-Up Study

Yoram Eshet-Alkalai, Eran Chajut

Concrete-Abstractions in Deciphering a Robot's Behavior among Preschool Children

Sharona T. Levy, David Mioduser

A.4 Attitudes toward Online Learning

Chair: Dr. Miri Barak

Students' Dichotomic Perceptions of the Use of ICT in Teaching and Learning

Miri Barak, Arthur Kogan

Psychosocial Well-Being and Attitudes toward E-Learning

Gila Kurtz, Yair Amichai-Hamburger

Learning Genetics through a Web-Based Research Simulation in Bioinformatics: How Do Students' Approaches to Learning Influence their Learning Outcomes?

Hadas Gelbart, Anat Yarden

A.5 Perception of Online Learning Among Teachers

Chair: Prof. Rafi Nachmias

Faculty Pedagogical Perception of Internet Integration within the Teaching Process

Anat Shemla, Rafi Nachmias

Active Learning in 3D

David Pundak, Shmaryahu Rozner, Fiana Yacobzon, Dvora Toledano

Teachers' Background Characteristics and their Readiness to Adopt a Novel Technology for Computer Supported Collaborative Learning

Esty Doron

11:45-245: Lunch

10:45-11:45 Parallel Session B

B.1 Examination of Online Learning

Chair: Prof. Yair Levy

Students' Attitudes toward a New Pedagogical Model for a Fully Online Course

Karen Precel, Yoram Eshet-Alkalai, Yael Alberton

Towards an Empirical Development of Critical Value Factors of Online Learning Activities

Yair Levy

Silence in Online Education: The Invisible Component

Yoram M Kalman

B.2 Learning in a Wiki Environment - II

Chair: Prof. Dani Ben-Zvi

Collaborative Learning Processes in Wiki-Based Environments in Higher Education

Michael Konja, Dani Ben-Zvi

Creating Meaningful Learning with Wiki

Yehuda Peled

Categorizing and Investigating Wiki Editing Activities

Orit Berger, Paul Gorsky, Hagit Meishar-Tal

B.3 Knowledge Representation - I

Chair: Dr. Yoav Yair

Spatial Perception of the Moon Phases: A Web-Based Module Employing Design Principles for Socio-Constructivist Learning and Scientific Visualization

Meytal Hans, Yael Kali, Yoav Yair

Flow in Technology-Enriched Mathematics Learning Environments

Miri Cohen-Dror, Yigal Rosen

Links between Dynamic Representations of Atomic-Scale Phenomena and Molecular Reasoning

Dalit Levy, Robert Tinker

B.4 Choosing Means of Communication

Chair: Dr. Avner Caspi

Students' Media Choice: Media Richness, Social Influence, or Experience?

Avner Caspi, Tamar Levin

Do Media Richness and Visual Anonymity Influence Learning? A Comparative Study Using Skype™

Ina Blau, Avner Caspi

IM Use for Studying Purposes among College Students in Israel

Gustavo Mesch, Ilan Talmud

B.5 Workshop

CeLS: Developing Online Collaboration Scripts

Miky Ronen, Dan Kohen, Nohar Raz, Hagai Reuveni, Yael Kali

14:00-14:15 Break

14:15-15:45 Parallel Session C

C.1 Technologies in the Service of People with Special Needs

Chair: Dr. Sigal Eden

Enhance Parents' Awareness to Dyslexia with Virtual Reality

David Passig, Sigal Eden, Vanina Rosenbaum

Integrating Computer Applications among Children with Learning Disabilities

Mali Danino, Betty Shrieber

Writing with Symbols: The Effects on Language and Literacy Abilities of Children with Special Needs

Orit Hetzrony, Sigal Reinders-Kafri, Orit Almog

Characterization and Evaluation of Speech-Reading Support Systems for Hard-of-Hearing Students in the Class

Becky Schocken

C.2 Posters II

Chair: Prof. Yoram Eshet-Alkalai

The Effect of Feedback on Students' Willingness to Participate in Educational Blogs

Ariella Levenberg, Paul Gorsky

The Effect of Online Text Vowelization of Homographs in Context on Reading Comprehension among L1 and L2 Hebrew Speakers

Karen Precel, Ronit Webman, Yoram Eshet-Alkalai, Batsheva Engelberg-Behr

The Effect of Menu Depth on User Information-Seeking Performance in an Academic Website Supporting Course

Noam Shaked, Ely Kozminsky

Assistive Technologies: Usage Patterns and Contributions to Students with and without Learning Disabilities at The Open University

Tali Heiman, Dorit Olenik-Shemesh, Dana Kaspi-Tsahor

Integrating Handheld Computer in Education

Hama Abu-Kishk, David Mioduser, Avigail Oren

Enriching the Distributed Education Experience in the Framework of Web 2.0 Using Usability 2.0

David Gallula, Ariel J. Frank

Friendship in Cyberspace: A New Form of Interpersonal Communication?

Michal Aharon, Eran Chajut, Yoram Eshet-Alkalai

The Use of Websites in Israeli Elementary Schools

Sigal Dalal, Paul Gorsky

Using a Shared Spreadsheet for Encouraging Meaningful Mathematical Discussion and for Promoting Collaborative Knowledge Construction in a Community of Learners

Tamar Levin, Paul Gorsky

C.3 Knowledge Representation II

Chair: Prof. Ruth Beyth-Marom

Learning Directly From Screen? Oh-No, I Must Print It! Metacognitive Analysis of Digitally Presented Text Learning

Rakefet Ackerman, Morris Goldsmith

Type of Search Engine and Personal Information Retrieval: “Windows” vs. Linux

Ofer Bergman, Ruth Beyth-Marom, Rafi Nachmias, Noa Gradovitch, Steve Whittaker

How Do Children Interpret Motion while Interacting with Sony PlayStation EyeToy Application?

Erez Porat, Galit Botzer

Using TinkerPlots to Develop Primary School Students’ Reasoning about Informal Statistical Inference

Naomi Apel, Einat Gil, Dani Ben-Zvi

C.4 Posters I

Chair: Dr. Ronit Bogler

Students’ Perspectives on E-Moderation of Synchronous E-Argumentation

Christa S. C. Asterhan, Julia Gil, Baruch B. Schwarz

Moderation of E-Discussion: Emergent Harmony for Learning Purposes?

Baruch Schwarz, Yifat Ben-David Kolikant, Maria Mishenkina

Enhancing Teaching through Collaborative Learning

Oleg Tilchin

Teacher Training in a Virtual Environment

Elisheva Eshkar BarAm

Academic Course Websites – Expectations and Reality

Gali Naveh, Dorit Tubin, Nava Pliskin

Turning Dental Teachers into a Learning Organization

Nili Ticotsky-Zadok

**Integrating Information Technologies in the Israeli Education System:
Training Teachers to Use School Management Systems (MANBAS)**

Turky Abu-Elion, Malka Blutstein, Yehudit Catz, Hadassa Weis

**The Teacher and the Student in an Online Learning Environment:
A Model for Professional Development Training**

Reuma De Groot, Yoram Haim, Limor Riskin, Tammy Eisenmann

14:45-6:00 Break and continuing poster exhibition

16:00-17:00 Parallel Session D

D.1 Instructional Strategies in Technology-Based Environments

Chair: Prof. Mordechai Shacham

**The Effects of Explicit Teaching of Metastrategic Knowledge Using
Microworlds on Low and High Achieving Students**

Bracha Peled, Anat Zohar

**Direct Tutor Moderation of Synchronous Discussions: The Importance
of Involvement and Personalization**

Christa S. C. Asterhan

**The Effects of Metacognitive Guidance on Students' Achievement in a
Fully Online Course**

Sigal Eden, Zemira Mevarech, Gila Kurtz

D.2 Integrating Technologies in the Israeli Education System

Chair: Dr. Yael Kali

**From Computer Illiteracy to ICT Literacy: How Principals of Elementary
Schools Become ICT Literate – Characteristics of the process**

Giza Shaviv – Schnieder, Gad Yair, Zachi Milgrom

**CBT Matriculation Examinations Adapted to ICT Based Learning
Environment in Life Science & Agriculture**

Michal Shemesh, Yakov Schwartz, Tehila Sened, Tali Freund, Rachela Shiffer, Israel Weisenstern, Janet Talmon, Amos Dreyfus

The Effect of a Teacher Professional Development Program for Web-Based Instruction on Teachers' Practices

Tamar Shamir-Inbal, Yael Kali

D.3 Learning With Mobile Technologies

Chair: Dr. Galit Botzer

What Facilitates Integration of One-to-One Laptops According to Science Teachers?

Aviva Klieger, Yehuda Ben-Hur, Nurit Bar-Yossef

Learning with Mobile Technology: A Case Study with Students in Mathematics Education

Sharon Genossar, Galit Botzer, Michal Yerushalmy

One-to-One Computing and Virtual Campus as a Routine Learning Environment

Ornit Spektor-Levy, Dafna Raviv, Mina Gazit, Keren Menashe

D.4 Cultural and Social Aspects of Learning with Technologies

Chair: Dr. Rafi Davidson

Learning through Exploration of Cultural Heritage via Virtual Expeditions – A Usability Study

Tal Mor Herscovitz, Orit Herscovitz, Zvia Kaberman, Miriam Iris Barak, Yehudit Judy Dori

Socio-Cultural Factors Associated with Attitudes towards Technology of Elementary School Teachers in the Bedouin Sector in the Negev

Rafi Davidson, Yael Goshen, Tirza Levin

Legal Aspects of Technology Application in Education

Victor H. Bouganim

17:00-17:15 Break

17:15-18:00 Closing Keynote Lecture

Chair: **Dr. Yoav Yair**, Director, the Shoham Caesarea Foundation Center for Integrating Technology in Distance Education

Dr. Giora Yaron, Chairman of Yissum - the Technology Transfer company of the Hebrew University, formerly President of Indigo and corporate Vice President of National Semiconductor

The Challenges that Future Technologies Pose for the Academic System