

PRESENTATIONS AND KEY RESOURCES

Presentations at the inGenious National Needs Analysis Workshop – Israel

The European Coordinating Body for Mathematics, Science and Technology inGenious program

Charmaine Kerr, inGenious, EUN – The European Schoolnet, **Online Lecture**.

pptx:

[http://makash.org.il/ecb/Charmaine_Kerr_ECB_National_Needs_Analysis_presentation-Israel_201212\[V1\].pptx](http://makash.org.il/ecb/Charmaine_Kerr_ECB_National_Needs_Analysis_presentation-Israel_201212[V1].pptx)

pdf:

[http://makash.org.il/ecb/Charmaine_Kerr_ECB_National_Needs_Analysis_presentation-Israel_201212\[V1\].pdf](http://makash.org.il/ecb/Charmaine_Kerr_ECB_National_Needs_Analysis_presentation-Israel_201212[V1].pdf)

Israel National Needs for Human Resources in STEM- Science, Technology, Engineering and Mathematics

Panel moderated by Yuval Vurgan

Yuval Vurgan, Team Head, Research and Information Center of the Knesset (Parliament).

Opening English: http://makash.org.il/ecb/YuvalVurgan_Opening_English.pdf

Opening Hebrew: http://makash.org.il/ecb/YuvalVurgan_Opening_Hebrew.pdf

Dr. Moshe Oron, Chief Scientist, KiloLambda Technologies; Vice President, ICO International Commission for Optics; former Chairman of the Committee for Academy-Industry relations at the National Council for Research and Development (Civil).

summary:

http://makash.org.il/ecb/Moshe_Oron_IsraelNeeds_Science_HR_needs_workshop_201212.docx

presentation: http://makash.org.il/ecb/Moshe_Oron_Israel_HR_Science_needs_workshop_201212.ppt

Dr. Avital Darmon, Israel Academy of Sciences and Humanities

summary: http://makash.org.il/ecb/Avital_Darmon_questions_needs_workshop.docx

The involvement of the industry in promoting Science education in Israel

Panel moderated by **Dr. Ronit Ashkenazi**, Deputy Director, Amal Israel

Michael Oren, Deputy Director, Ta'asyeda Industry for Advancement of Education, Manufactures Association of Israel

description translated by MAKASH to English:

http://makash.org.il/ecb/Oren_Israel_FutureGenerationHiTechInIndustry_EN_needs_workshop_201212.pdf

presentation pptx:

http://makash.org.il/ecb/Michael_Oren_PresentingTaasyedaActivities_needs_workshop201212.pptx

presentation pdf:

http://makash.org.il/ecb/Michael_Oren_PresentingTaasyedaActivities_needs_workshop201212.pdf

Tal Shemer, Education manager and Academic Relations manager(Intel)

Education, Social Dialogue in CSR Full CSR Report :

http://makash.org.il/ecb/Tal_Shemer_Education-SocialDialogue_Pages18-24_Intel_Israel_2011_CSR_Report-Final.pdf

Israel Education: http://makash.org.il/ecb/Intel_Education_needs_workshop_201212.pdf

Zika Abzuk, Senior Manager, CISCO.

Education in CSR Report:

http://makash.org.il/ecb/CISCO_Education_Pages_70-72_CSR-Report-2012-Full-Report.pdf

Full CSR Report:

http://makash.org.il/ecb/CISCO_see-page-70-72_CSR-Report-2012-Full-Report.pdf

The Scientific Reserve and Leadership program of the Administration for Science and Technology, Ministry of Education

Yigal Dor, Director of the Scientific Reserve Program, Administration for Science and Technology, Ministry of Education.

presentation pptx:

http://makash.org.il/ecb/Yigal_Dor_AtudaMadait-2013_needs_workshop_201212.pptx

presentation pdf:

http://makash.org.il/ecb/Yigal_Dor_AtudaMadait-2013_needs_workshop_201212.pdf

Innovative Science Education Initiatives in Israel: successes and challenges

Panel moderated by Esty Magen from Fourier Education

Maya Halevy, Director, Bloomfield Science Museum Jerusalem.

http://makash.org.il/ecb/MayaHalevy_needs_workshop201212.pptx

http://makash.org.il/ecb/MayaHalevy_needs_workshop201212.pdf

Dr. Avi Golan, Director of the Students Unit, Davidson Institute for Science Education at the Weizmann Institute

summary:

http://makash.org.il/ecb/Avi_Golan_Davidson_PI_needs_workshop_201212.doc

Dr. Tehilla Ben Gai, Director, Hemda - Center for Science Education

summary:

http://makash.org.il/ecb/Tehilla_Ben_Gai_Hemda_needs_workshop_201212.doc

Esty Magen, Fourier Education

summary:

http://makash.org.il/ecb/Esty_Magen_Fourier_InnovationScience_needs_workshop_201212.docx

Fighting stereotypes by giving a more realistic view of scientific jobs, and encouraging women and minorities to consider scientific careers.

Panel moderated by **Maya Halevy**, Bloomfield Museum and the project [TWIST](#) - towards Women in Science and Technology.

Higgs Boson at the Science Café: <http://www.the-twist-project.eu/he/event/20/>

Dr. Judith Abrahami, ORT Braude Carmiel and project [GENDERA](#)

summary:

http://makash.org.il/ecb/Judith_Abrahami_Fighting_stereotypes_needs_workshop_201212.docx

Dr. Naama Azulay, AIU, AIU Program for girls' empowerment and increasing their interest in Science careers. Possibly with [Dr. Ronit Kark](#), Senior Lecturer at the Gender Studies Department, Bar Ilan University and the AIU program.

summary:

http://makash.org.il/ecb/Naama_Azulay_KIAH_CrackingGlassCeiling_needs_workshop_201212.doc

brochure: <http://makash.org.il/ecb/CrackingTheGlassCeilingBrochure.pdf>

evaluation report by Dr. Ronit Kark:

http://makash.org.il/ecb/CrackingTheGlassCeiling_EvaluationReport_2011-2012_Kark.pdf

Dr. Ronit Ashkenazi, Deputy Director and head of the Pedagogical Administration, Amal Israel.

Presentation: [ppt](#) [pdf](#)

http://makash.org.il/ecb/Ronit_Ashkenazi_AMAL_girls_to_STEM_needs_workshop_201212.ppt

http://makash.org.il/ecb/Ronit_Ashkenazi_AMAL_girls_to_STEM_needs_workshop_201212.pdf

Sources concerning STEM education policy in Israel

Treading on diamonds: Israel's unrealized potential of excellence (Hebrew with English Executive Summary)

Working Paper series No. 67, Central Bureau of Statistics, Jerusalem, Israel

Ofer Rimon* and Dmitri Romanov**, April 2012

*Ministry of Education, Science and Technology Directorate; **Central Bureau of Statistics, Chief Scientist Department

<http://www.knesset.gov.il/committees/heb/material/data/mada2012-06-11.pdf>

Education and Business: Israel

Authors: Osnat Hachmon and Dr Eli Eisenberg, ORT Israel

ETF/ Ministry of Education, Science and Technology Administration, 2011

http://etf.europa.eu/web.nsf/pages/Education_and_Business_Israel

המועצה הלאומית למחקר ולפיתוח
דוח לשנים 2010 ו 2011-מוגש לוועדת השרים לענייני מדע וטכנולוגיה ולוועדת המדע והטכנולוגיה של הכנסת
תמוז תשע"ב – יולי 2012

[Report of the National Council for Civil RTD for 2010-2011 \(Hebrew\)](#)

<http://knesset.gov.il/committees/heb/material/data/mada2012-10-15.pdf>

Israel Education Policy: How to move ahead in reform

Philip Hemmings, 04 June 2010 Pages 35 OECD Economics Department Working Papers

http://www.oecd-ilibrary.org/economics/israeli-education-policy_5kmd3khifif0-en

Women in the land of milk, honey and high technology: the Israeli case

Dr. Ronit Kark, University Bar Ilan, Departments of Psychology and Sociology

Chapter 6 (pp. 152 to 191] in: R. Burke & M. Mattis (Eds.). Women and minorities in science, technology, engineering and mathematics: Opening the pipeline. New York: Edward Elgar (2007)

http://makash.org.il/ecb/Ronit_Kark_Women_and_Technology_Israel_2007.pdf

Technological Education and Professional Training

Program for 2012 and status of projects, Education Committee, The Manufacturer's Association of Israel, December 2011 (Hebrew)

http://makash.org.il/ecb/itahdut_taasianimHinuchDec2011.ppt

The best girls to Science: promoting women in technology (Heb)

Article by Dr. Judith Abrahami-Einat on the occasion of the 2013 World Women Day analysing the situation in Israel concerning the integration of women in the STEM professions.

<http://www.ynet.co.il/articles/0,7340,L-4352216,00.html>

A renewal of science education in Europe

Views and Actions of National Academies -Analysis of surveys conducted in 2010 and 2011

A report of the ALLEA Working Group Science Education (IAP Science Education Programme Regional European Council)

<http://www.allea.org/Content/ALLEA/WG%20Science%20Education/Helsinki/Report%20ALLEA%202012%20last.pdf>

(Last retrieved on 04.12.2012)

STEM Education in Israel: resources translated to English by MAKASH

Information about Education for Sciences and Technology

Translation by Makash of the background paper of the Center for Research and Information of the Israel Parliament. The original paper is available (in Hebrew) at <http://www.knesset.gov.il/mmm/data/pdf/m02978.pdf>

The Knesset (Parliament), Center for Research and Information, Jerusalem, November 7, 2011

http://makash.org.il/ecb/20111107_Background_Knesset_ScienceTechnologyEducation_.pdf

The Israel Program: Science and Technology Leadership Reserve

From (Hebrew)

http://cms.education.gov.il/EducationCMS/Units/MadaTech/technology/AtudaMadaitTechnologit/atuda_madait_tnologit.htm

http://makash.org.il/ecb/201207_Israel_program_MST_leadership_reserve.pdf

TEVA and PERAH

The outstanding programs of TEVA Pharmaceuticals in promoting excellence in education and science education are HavaYeda Teva and Mezuian Teva. The file includes a description of the PERAH national program for tutoring secondary students by university students who receive scholarships for this purpose

From (Hebrew)

<http://www.teva.co.il/CorpResponsibility/Partnerships/Pages/ExcellenceInEducation.aspx>

http://makash.org.il/ecb/201207_Israel_TEVA_and_PERAH_programs.pdf

The project "Dor Eatid in Hitech BeTaasia" The generation of the future in industry's HiTech

Israel Manufacturer's Association:

http://makash.org.il/ecb/201207_Israel_FutureGenerationHiTechInIndustry_english.pdf

Originally in English:

Mind the (Gender) Gap: Can a Two-hour Visit to a Hi-Tech Company Change

Perceptions about Computer Science?

Larisa Eidelman et al. (2011) ACM Inroads 2011 September • Vol. 2 • No. 3

http://makash.org.il/ecb/google_mind_the_gap_64-eidelman.pdf

ANNEX I

Central Bureau of Statistics

Abstract of the report

WORKING PAPER SERIES NO. 67

Treading on diamonds: Israel's unrealized potential of excellence

Ofer Rimon* and Dmitri Romanov**

April 2012

* Ministry of Education, Science and Technology Directorate

**Central Bureau of Statistics, Chief Scientist Department

Available at:

http://www.cbs.gov.il/reader/paper_work/pw_e.html

ANNEX II

Executive Summary of the Report

Education and Business: ISRAEL (2011)

ETF – Working together / Learning for Life

Ministry of Education Science and Technology Administration

Available at:

http://etf.europa.eu/web.nsf/pages/Education_and_Business_Israel

Acknowledgements

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