



Enclosed please find a list of our new publications. You are invited to visit our web site at www.neaman.org.il, download and read the recent publications of the Samuel Neaman Institute. In this edition, you may also read about future events at SNI, press coverage of our projects and video clips of important events that took place in the last quarter.

New Publications

Coming Events



[Greenhouse Gas Emissions Reporting and Registration System in Israel: Summary of Reports for 2013](#)

Ofira Ayalon, Miriam Lev-On, Perry Lev-On, Tal Goldrath, Idan Liebes

The issue of global climate changes is the subject of worldwide attention, due to its environmental, economic and social implications over both the developed and developing world. The government of Israel recognizes the importance of reducing greenhouse gas emissions (in spite of no formal international commitment to date, as well as the halt in the national program for GHG emissions reduction), and acts accordingly...

[Life sciences cluster cyber water of the North](#)

28.04.2015

Video

[Higher Education Forum Meeting no. 28](#)

[The Samuel Neaman Annual Lecture](#)

Lecturer: Mr. Raviv Drucker

Subject: Investigative Journalism in the Era of Mass Web Communication



[Research Standing of Israeli Universities by Quantitative Indicators](#)

Uri Kirsch

This study deals with evaluation of the research standing, of Israeli Universities, by quantitative indicators. Data of publications and citation indices, as well as the results of International University ratings, are presented. The results show the relative output and quality of research, in various areas, in Israel and at the Universities.

[For more video recordings in the News](#)

['Judaism is not the IDF's enemy'](#)

25.11.14

[A sign that you're young: Is 29 the perfect age?](#)

20.11.14

[The most strengthening military in the world](#)

01.11.14

[Israel is ranked among the top ten leading countries in scientific research quality](#)

23.10.14

[Report: Israeli research excels despite declining university budgets](#)

23.10.14

[Human Nature](#)

03.10.14

[Academic propulsion to the gas sector](#)

30.09.14

[For more news](#)



[Integration of electric and hybrid vehicles in Israel's transportation system](#)

Ofira Ayalon, Yaara Grinberg, Idan Liebes, Gad Rosental, Dana Gabay

The world's transportation system is almost entirely based on oil-derived fuels, fed into internal combustion engines (ICE). Energy supply and demand markets – especially for transportation – are not economically unfettered and sustainable. According to the IEA, without targeted and active policies greenhouse gases and pollutants emissions from the energy sectors will more than double by 2050, all the while dealing with increasing fuels supply side difficulties and scarcity...



[Economic incentives to promote energy conservation technologies in residential dwellings](#)

Ofira Ayalon

In this study, a series of economic mechanisms was formulated. These will encourage integration of technologies and means of saving energy in residential buildings and help reduce maintenance costs for households and help them cope better with the cost of living.

As the basis for this study - the first time in Israel - techno-economic analysis using dedicated software (IESVE) which quantified the potential savings in energy costs for households under different apartments typical characteristic in the State of Israel...



[Energy Forum 32: Optimal utilization of the local natural gas, including exports](#)

Gershon Grossman, Idan Liebes

Following the discovery of natural gas deposits offshore of Israel in recent years, the question arises: What is the optimal utilization of the gas from the viewpoint of the state of Israel and its people? Most of the discussions on this subject to date considered natural gas as fuel for producing heat and generating electricity. Indeed, this is the primary use of natural gas in the entire world today...

News

[Prof. Ofira Ayalon participated in the radio show "Good Morning Israel – Galatz"](#)

21.12.2014

[Orit Hazzan was interviewed in the program Making Order with Ben Caspit](#)

01.12.2014

[Prof. Ofira Ayalon presented a research on the International Food Day in the Knesset](#)

08.11.2014

[Dr. Tamar Almog appeared on the Globe TV program on channel 1, discussing the subject of Generation Y](#)

08.11.2014

[Dr. Reuven Gal was interviewed on the "Seder Yom" radio show with Adi Meiri on Reshet Bet](#)

11.08.2014

[For more news](#)



[The Higher Education System in Israel - Issues, characteristics and unique Aspects](#)

Uri Kirsch

A broad view on the Israeli system of higher education is described. The development of the Israeli system has been influenced by developments in some other countries. Yet, this system is characterized by some unique aspects, including – education of prominence leaders, unprecedented national contribution, and worldwide research excellence – all these with relatively modest resources...



[Innovation 2012 An active industrial policy for leveraging science and technology and Israel's unique culture of innovation](#)

Gilead Fortuna



[Ultra-Orthodox \("Haredi"\) Jews in Israel's Society: A 2014 Status Report](#)

Reuven Gal

The issue of the Ultra-Orthodox (Haredi) community in Israel and its possible integration with the Israeli society at large has become lately one of the most talked-about in the Knesset committees, Government offices, academic circles, the military, public debates -- where not? ...



[High school high-level Physics in the last 4 decades 1975-2014 in Israel: Changes and implications](#)

Orit Hazzan, Eyal Sinai, Ruty Hanan

This position paper presents and analyzes the changes that took place in high-level Physics matriculation exams during the last 40 years: 1975-2014.

Section A reviews the changes in the scope and depth of the material included in the matriculation exam. Section B analyzes the changes in the contents on which the matriculation exam focuses and the characteristics of the exam questions...

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