



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.

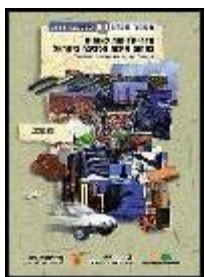
New Publications



[A comparative study on the scientific and technological research in Israel and some middle eastern countries, using quantitative indicators](#)

Yair Even-Zohar, Daphne Getz, Uri Kirsch

The study presents a comparative examination of the development process of scientific and technological research that has taken place in the Middle East, especially in the more advanced countries, and in Israel. The data presented is based on two main indices: the number of publications and the average citations per publication...



[National Environmental Priorities of Israel, Position Paper VII : greenhouse gases mitigation plan in Israel, 2011](#)

Ofira Ayalon, Tal Goldrath, Michal Nachmany, Miriam Lev-On, Perry Lev-On, Gad Rosental

The issue of greenhouse gas emissions reductions, beyond the official commitment made by the State of Israel, is imperative for the Israeli market. The actions needed to reduce greenhouse gas emissions will bring with them a reduction in the demand for electricity; preservation of electricity reserves; a reduction in the emissions of pollutants that cause health problems; economic benefits that equal the levels of investments needed; reduction of social inequalities and more.



[Excellence Evaluations of the Universities in Israel – Approaches, Issues and Achievements](#)

Uri Kirsch

- The object of this study is to examine various aspects associated with excellence evaluations of the Universities in Israel.
- Quantitative, qualitative and combined approaches are presented.
- Advantages, drawbacks and issues concerned with applications are discussed.
- Achievements of the universities in Israel, according to various measures, indicators and data bases are presented.
- A review of international university rankings is presented. Issues associated with these rankings are discussed.
- The subject of research evaluations for purposes of funding and budgeting is discussed...



[National Energy Technologies Research and Development Survey](#)

Ofira Ayalon, Michal Nachmany, Tal Goldrath, Daphne Getz, Vered Segal, Eran Leck, Yifaat Baron

This survey has been recently completed by the energy and environment team at the SNI, for the National Council for Research and Development (NCRD). The survey maps various R&D efforts in Israeli academia and industry, in the following fields:

- Energy technology R&D – alternative energy sources; energy conservation; energy storage; energy for electricity, heat, transportation; energy efficiency, energy-conserving building, waste to energy etc.
- Energy policy, energy economics, climate change ...



[Needs and priorities in the Haifa bay development towards a balanced prosperity](#)

Ofira Ayalon, Tal Goldrath, Yael Rozenfeld

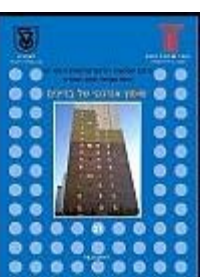
During February 2011, a workshop was held at SNI, in cooperation with the Kishon River Authority, aiming to focus and define the major issues for the development and prosperity of the Haifa bay area, and the correct balance between them, achieving the goal of long term planning and integration. In the workshop, issues were discussed as markers for development trends...



[Evolutionary Interpretation of VC Policy in Israel, Germany, UK and Scotland](#)

Gil Avnimelech, Alessandro Rosiello, Morris Teubal

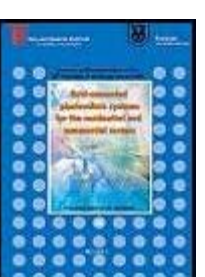
Despite many attempts to develop high-impact VC policies during the 1990s in Europe , most VC markets in Europe are still underdeveloped. Many of these policies were based on 'traditional' VC policy involve a mix of monetary incentives and institutional changes. In this paper, we present an alternative evolutionary VC policy, which is based on a dynamic analysis of emergence processes and on the co-evolution between VC and entrepreneurship...



[Energy-saving retrofit of buildings - Summary and recommendation of the SNI 21st energy forum](#)

Gershon Grossman, Tal Goldrath

Many buildings in Israel, both private and public, were built in the years before prevalent awareness of the need for energy savings. Naturally, these buildings are wasteful in terms of energy, consuming a great deal of energy for climate control, (both in winter and summer), for lighting, and the like. The reasons for this lie in the design and in the execution ...



[Grid-connected photovoltaic systems for the residential and commercial sectors - Summary and recommendation of the SNI 20th energy forum](#)

Gershon Grossman, Tal Goldrath

Photovoltaic (PV) systems are currently the most common method for producing solar electricity. Their great advantage lies in their many installation options and their variety of energy outputs, beginning with less than one kilowatt peak (kWp) systems, which can be installed on a single pole or small roof, up to systems of many Megawatts peak (MWp), covering extensive areas, which are suitable for power stations. The alternative solar thermal system is cheaper in terms of investment per installed kW and is more effective in terms of efficiency, space utilization and backup possibilities. However, the size required is at least of some dozens of MW and it is therefore suitable only for power stations...

Coming events

[The Samuel Neaman Annual Lecture](#)

Lecturer: **Prof. Haim Harari**

Subject: from Basic Research to Economic Power - Remarkable Journey and Fascinated Adventure

(The lecture will be in Hebrew)

21.11.2011

[BioNorth Seminar](#)

Electricity & Hydrogen Production by Biological Process

1.12.2011

[Previous Events...](#)

[\(Click to open\)](#)

In the News

[Turkey cannot block Israel's oil supply](#)

22.9.2011

Most of Israel's oil is transported via Turkey, but international treaties guarantee supply.

[Israeli Climate Change Information Center to Provide Knowledge on Adaptation to Climate Change](#)

19.5.2011

The Ministry of Environmental Protection has recently established an Israel Climate Change Information Center on adaptation to climate change.

[For more news...](#)



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