

December 2013, Edition #15

WWW.NEAMAN.ORG.IL

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



[Mapping of National Research Infrastructures in Israel: updated mapping of Israel research infrastructures and international research infrastructures, which are used by Israeli researchers](#)

Daphne Getz, Vered Segal, Bella Zalmanovich, Oshrat Katz Shacham

The following is a summary of additional research conducted by the Samuel Neaman Institute following research conducted in 2010 "Mapping of Research Infrastructures in Israel" The purpose of the latter was to compile a database which would constitute the basis for a road map setting out the establishment of National Research Infrastructures in Israel...



[Adaptation to climate change in the local authorities](#)

Prof. Ofira Ayalon, Yaara Grinberg, Idan Liebes

ICCIC team prepared a report on adaptation policy recommendations for local authorities in Israel. Climate change is expected to affect the water sector in the State of Israel, the health of residents, the existence of biodiversity and ecosystems supplying ecological services, urban climate and our energy consumption in homes and the communities where we live...



[Global challenges for the water industry in the Micro Electronics industry](#)

Gilead Fortuna, Shiri Freund-Koren

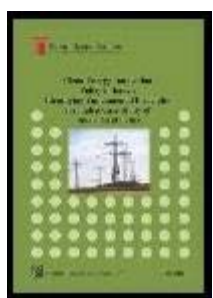
This report reviews the water challenges in the Micro Electronics industry with emphasis on microchips fabrication plants. It reviews the role of water in the production as well as water treatment needed in regarding to water use...



[Science, Technology and Innovation Indicators in Israel: An International Comparison \(Fourth edition\)](#)

Daphne Getz, Dan Peled, Tsipy Buchnik, Ilia Zatzovetsky, Eran Leck, Ella Barzani

Neaman Institute is pleased to present the Fourth edition of the "indices of Science, Technology and Innovation in Israel: An International Comparison." This report is published in cooperation with the National Council for Research and Development Israeli Central Bureau of Statistics...



[Clean Energy Innovation Policy in Israel: Identifying Fundamental Principles through a Case Study of Smart Grid Policy](#)

Elad Shaviv, Mark E. Caine, Gershon Grossman

This project has been conducted in cooperation between the Samuel Neaman Institute for Advanced Studies in Science and Technology (SNI) and the London School of Economics and Political Science (LSE)...



[Science & Technology Education in Israel: Selected Indicators for the Development of a Risk Management Strategy regarding Possible Future Shortages of S&T Teachers in Upper-Secondary Schools](#)

Orit Hazzan, Tsipy Buchnik, Orly Nathan, Ayelet Raveh

The Forum for Science and Technology Education has been launched in 2013 in order to establish and encourage cooperation among different sectors in Israel to promote K-12 science, technology, engineering and mathematics (STEM) education...



[R&D Outputs in Israel – A Comparative Analysis of PCT Applications and Distinct Israeli Inventions](#)

Daphne Getz, Eran Leck, Amir Hefetz

The research is a joint project of SNI and the National Council for Research and Development (NCRD), operating under the auspices of the Ministry of Science and Technology...



[Water for nature and rivers restoration – Summary and recommendations of the 3rd Water Forum](#)

Eran Friedler, Miki Zaide, Abraham Shaviv, Yael Gilboa

This document contains the abstracts of the presentations presented in the 3rd Water Forum that dealt with Water for nature and rivers restoration. Summary of the discussions during the forum are also presented, and an executive summary describing the background and the main points raised during the discussions.



[Orthodox Employment - Information Booklet Second Edition](#)

Ilia Zatzovetsky, Reuven Gal

This information booklet was written on the basis of knowledge and experience accumulated at the Samuel Neaman Institute during the running of the "Ultra-Orthodox Integration Project". The booklet is designed for managers and owners of companies and organizations...



[Sustainable Road Transportation: Energy and Environmental Aspects - Summary and recommendations of the 28th Energy Forum discussion at Samuel Neaman Institute](#)

Prof. Gershon Grossman, Yaara Grinberg

Road transportation in Israel today, especially in the large metropolians, is becoming crowded and dense with serious social, environmental and energetic consequences. Lost time due to traffic jams cause heavy costs to the economy, fuel is wasted and emissions of pollutants and greenhouse gases increase...



[Outputs in Israel: International Comparison of Scientific Publications, 1990-2011](#)

Daphne Getz, Avishag Gordon, Noa Lavid, Yair Even-Zohar, Iris Eyal, Ella Barzani

The objective of this work is to analyze Israeli R&D output depicted in scientific publications with an international comparison. Using bibliometric indices research output was evaluated both quantitatively and qualitatively and according to field priority...



[Predictions for human resources in science and technology :Models and Indicators](#)

Dr. Daphne Getz, Tsipy Buchnik, Bella Zalmanovich, Noa Zemer-Batsir

This work was commissioned by the subcommittee, Academia-Industry Relations of the National Council for Civilian R&D (Molmop). One of the goals of this committee is a re-examination of the suitability of the training provided by higher education institutions for the needs of the future economy...



[From Research infrastructures mapping stage until research infrastructure roadmap - Review the experience of selected countries](#)

Dr. Daphne Getz, Vered Segal, Bella Zalmanovich, Oshrat Katz Shacham

Many countries develop their own roadmaps for research infrastructures intention to allocate limited resources for research infrastructures in a coordinated manner at the national level while taking into account developments at the international level...



[Policy on Levering Stem Cell Research through Intellectual Property](#)

Dr. Daphne Getz, Prof. Niva Elkin-Koren, Bahina Eidelman, Miriam Asotsky, Bella Zalmanovich, Yair Even-Zohar, Dr. Yael Bergman-Eshet, Sharon Bar-Ziv, Talya Ponchek, Dalit Sagiv

The goal of the research is to create an infrastructure for designing a policy concerning research, development, and knowledge transfer in the field of stem cells...

News

[Dr. Gilead Fortuna was invited to deliver the keynote speech at a seminar on "Innovative Water Solutions for the Food Industry" in Philadelphia, USA](#)

12.9.2013

[The World Food Day](#)

16.10.2013

[All news](#)

Video

[Higher Education Forum Meeting no. 25](#)

[For more video recordings](#)

[Samuel Neaman Institute link to You Tube](#)

In the News

[Climate change could cause a rise in sea level and endanger millions of Israelis](#)

6.11.2013

["The Iranians need the oil price to be \\$ 140 to survive"](#)

21.11.2013

[The eve of the new academic year, experts are sure: It's time to change our perception](#)

12.10.2013

[Who's afraid of the Religious soldiers?](#)

30.9.2013

[Surprise Bags](#)

23.9.2013

[Contribution of Higher Education](#)

23.10.2013

[Israel producing fewer scientific studies per capita](#)

2.9.2013

[Who's at the forefront of Israeli innovation?](#)

6.8.2013

[The defiance virus](#)

19.7.2013

[Israel's water expertise - an industrial moneymaker?](#)

9.7.2013

[For more news](#)



All SNI publications can be downloaded from our website,

To view the publication list - [Click here](#)