

**DR. H. AVRAHAM ARBIB**

**Present position:**

Deputy Chief Scientist and Director, Division of Research and Development, Ministry of National Infrastructures, Israel.

Formulates energy R&D policy and priorities, in accordance with the Ministry's policy. Responsible for supporting a wide range of R&D projects in the fields of energy and infrastructure. Maintains relations with research institutions as well as with government departments and non-governmental organizations in Israel and abroad.

**Previous experience:**

- \* Director, Division of R&D, Ministry of Energy and Infrastructure (1985-2001)
- \* Private consultant (1982-1984)
- \* Senior Lecturer (adjunct), Mechanical Engineering Department, Ben Gurion University of the Negev (1982-1988)
- \* Research Scientist, Energy and Environmental Technology Department, Battelle Columbus Laboratories, Columbus, Ohio, USA (1980-1982)
- \* Short-term assignment with BP Research, England (1980)
- \* Academic Visitor, Department of Chemical Engineering and Chemical Technology, Imperial College, London, England (1978-1980)
- \* Instructor, Department of Aeronautical Engineering, Technion, Israel Institute of Technology (1974-1978)
- \* Assistant, Department of Aeronautical Engineering, Technion, Israel Institute of Technology (1971-1974)

**Degrees:**

Public Policy Course, Tel Aviv University (1997).

Senior Business Management, Tel Aviv University (1996).

D. Sc., Aeronautical Engineering, Technion, Israel Institute of Technology (1978).

M. Sc., Aeronautical Engineering, Technion, Israel Institute of Technology (1974).

Laurea (academic degree), Aeronautical Engineering, University of Pisa, Italy (1971).

**Awards:**

Director General's Award, Ministry of National Infrastructures (2003).

Yad Avi-Hayishuv (Rothschild) Fund Postdoctoral Research Fellowship (1978/79).

**Languages:**

Fluency in Hebrew, English and Italian; knowledge of French, Arabic and Latin.

**Academic teaching experience:**

Combustion, Aerospace Propulsion, Heat Transfer, Viscous Fluid Flow, Thermodynamics, Alternative Energy Sources.

**Publications:**

Twelve refereed papers and a number of non-refereed papers and technical reports; Editor of Energy '85 (in Hebrew).

**Patents:**

One patent (US) in Fluidized Bed Combustion Technology.

**Main appointments:**

Member, Germany-Israel Program Committee for Cooperation in Energy Research (2005-).

Member, Plenary, the Israel Space Agency (2005-).

Member, Committee for Energy in Agriculture R&D, Ministry of Agriculture (2004-).

Member, Executive Committee, Israel National Committee, World Energy Council (2004-).

Expert representing Israel on the Energy Committee of the European Union's 6<sup>th</sup> Framework Programme for Research and Technological Development (2003-).

Member, Interministerial Team for the Implementation of the Government Resolution to Promote Electricity Production from Renewable Energy (2002-2003).

Member, Board of Directors, International Solar Energy Society (2002-2004, 2006-).

Member, Committee for Desalination Research, The Water Commission (2002-).

Member, Steering Committee for the Energy Masterplan (2002-2004).

Secretary, Israeli Section, International Solar Energy Society (2001-).

Member, Publications Committee, Ministry of National Infrastructures (2001-).

Member, Committee for the Development Plan of the Electricity System, Ministry of National Infrastructures (1999-2001).

Member, Steering Committee for the Millennium Bug Problem, Ministry of National Infrastructures (1999-2000).

Member, Interministerial Commission on Solid Waste Management (1996-1998).

Member, Board of Directors, PAMA (Energy Resources Development) Ltd. (1994-1997).

Member, Executive Committee, Photovoltaic Power System Program, International Energy Agency (1994-).

Member, Committee on Alternative Energy Technologies, Ministry of Industry and Trade (1994-1999).

Member, Board of Directors, The Movement for Conservative/Masorti Judaism, Jerusalem (1991-1994, 1998-2000).

Founding Member of the Association for the Advancement of Research on Familial Mediterranean Fever (1993-2002).

Member, Board of Directors, The Belfer Center for Energy Research (1985-1993).

Member, Subcommittee for Energy Terms, The Academy for Hebrew Language (1988-1991).

Member, World Energy Conference Steering Committee on Survey of Energy Resources (1986-1989).

Scientific Coordinator, UNDP-sponsored Workshop on Renewable Energy in Developing Countries, Israel (1988).

Reviewer, Applied Mechanics Reviews (1981-1983).

### **Professional memberships**

The International Solar Energy Society, The Combustion Institute, The Association of Engineers and Architects in Israel.

### **Avocations:**

Reading, photography.

### **Personal data:**

Date and place of birth	: October 16, 1945 - Tripoli, Libya
Date of immigration	: May 7, 1971
Citizenship	: Israeli
Family status	: Married, three children
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