

Brief Vita

Prof. Michael Finkenthal

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Higher Education:

BSc/MSc Physics: Babes-Bolyai University, Cluj, Romania (1968)
Ph.D Physics: The Hebrew University, Jerusalem, Israel (1977)

Experience:

Research and Academic Appointments:

1971-1973 Racah Institute of Physics, Jerusalem, Research Assistant
1974-1977 The Hebrew University, Jerusalem, Graduate Research Assistant
1977-1979 Commissariat a l'Energie Atomique (CEA), Fontenay-aux-Roses, France, Research Scientist
1979-1980 Johns Hopkins University, Post-Doctoral Associate
1980-1981 Princeton University, Research Associate
1982-1984 Hebrew University, Jerusalem, Research Associate
1984-1987 Hebrew University, Senior Lecturer
1987-2005 Hebrew University, Professor (Early Retirement)
1994-2004 Johns Hopkins University, Visiting professor
2005- Johns Hopkins University, Research Professor

Between 1971 and present, I taught and lectured in physics and interdisciplinary studies at universities in Israel, USA, UK, France, Germany, Italy, Sweden, Switzerland, Romania, China and Japan.

In Physics (atomic and plasma physics, optics and spectroscopy) and Science in general, I published more than 300 refereed articles in journals, conference proceedings, etc. A list of my recent publications can be found on our Plasma Spectroscopy/Diagnostics Group site at Johns Hopkins University, Department of Physics and Astronomy.

A recent development which I would like to point out in this updated CV is the expansion of our research into the domain of Medical Science: I started together with Dan Sutman (Principal Research Scientist in our department) and colleagues at the Bio-Medical

Engineering and the Radiology Department at the Medical School, a Phase Contrasting Imaging Research (PCIR) Program relevant for Bio-Medical applications. The results obtained in the preliminary phase (2008-2009) enabled us to obtain an NIH Grant in 2010; the follow up, led so far to the extension of these results to nuclear fusion research and as a result we received this year) a DOE-OFES grant for the period 2012-2015. The department being very supportive, we plan to expand the PCIR program to other areas of research - such as development of novel materials and nano-structure science - in which colleagues in our department as well as in the Engineering School could become involved in the future.