



**NAVON, IONEL-MICHAEL**

**Honorary Member, USA**

**Professor, Ph.D., Florida State University**

Professor of Mathematics, Department of Scientific Computing, Florida State University, Senior Specialist Researcher - *National Research Institute for Mathematical Sciences* (NRIMS). Double degree: Hebrew University of Jerusalem & The University of the Witwatersrand, Johannesburg, South Africa.

**Areas of particular interest:** applied mathematics, physics, computing, meteorology; geophysics; astrology. Director of the Applied Mathematics Program; Expert consultant at NASA/GSFC Laboratory for Atmospheres Global Modeling and Simulation Branch – High-latitude filtering in a global grid-point model, using model normal modes.

**Research activity** conducted in the following fields: 1. Advanced 4-D Var Data-Assimilation Methods; 2. Large-Scale Minimization; 3. Ensemble Kalman filter methods.

**Education:** B.Sc., (Mathematics, Physics and Meteorology), Hebrew University of Jerusalem, 1963-1967 M.Sc., (Meteorology), Hebrew University of Jerusalem, 1968-1971 Ph.D. (Applied Mathematics), The University of the Witwatersrand, Johannesburg, South Africa, 1977-1979.

**Professional activity:** Professor Department of Scientific Computing, Florida State University, 1991-2011; Director of Applied Mathematics Program Director Optimization and Optimal Control, Florida State University, 1992; Associate Professor Department of Mathematics, Florida State University, 1987–1990; Professor (courtesy appointment) Department of Meteorology, Florida State University, 1987–present. Senior Specialist Researcher National Research Institute for Mathematical Sciences (NRIMS); Council of Scientific and Industrial Research (CSIR), Pretoria, South Africa, 1985; Honorary Professor NRIMS, CSIR, 1985; External consultant to NASA/GSFC Laboratory for Atmospheres Global Modeling and Simulation Branch on the continuing project ‘High-latitude filtering in a global grid-point model, using model normal modes’ (since June, 1984). Chief Researcher NRIMS, CSIR, 1984. Visiting Senior University Scientist Research Associate NASA/Goddard Flight Center at the Laboratory for atmospheres, the Global Modeling and Simulation branch, 1983–1984; Senior Chief Research Officer NRIMS, CSIR, 1981–1983; Chief Research Officer NRIMS, CSIR, 1979–1980; Senior Research Officer NRIMS, CSIR, 1976–1978; Head, Applied Mathematics Section TAMAM Subsidiary of Israeli Aircraft Industry, 1975–1976; Senior Research Meteorologist Department of Numerical Weather Forecasting, The Israeli Meteorological Service, 1974–1975; Ph.D. Research Assistant Department of Geophysical and Planetary Sciences, Tel-Aviv University, 1970–1973; M.S. Research Assistant Hebrew University of Jerusalem, 1967–1970.

**Publications:** 15 books, more than 200 articles and scientific papers.

**Affiliations:** American Meteorological Society-Elected AMS Fellow 1997; SIAM – Society for Industrial and Applied Mathematics – Member Israel Association of Professional Engineers; IDEA – International Directory of Engineering Analysts; SAMS – South African Mathematical Society – Member; IMACS – International Association for Mathematics and Computers in Simulation – Member; AMS – American Mathematical Society – Member; ACM – Association for Computing Machinery – Member; AGU – American Geophysical Union – Member; American Meteorological Society – Fellow.

**Public recognition:** 1990 *Who's Who in the South and South-West*; 1991 *Who's Who in the United-States*; 1992 - and onwards *Who's Who in the United-States*; 1991 - Men of Achievement - Cambridge International Edition. 1997 - *Who's Who in Science and Engineering*; 1997- Elected Fellow of the American Meteorological Society; 2000 - National Research Council Senior Fellowship Award. 2009 - Excellence in refereeing the American Geophysical Union.

**Awards:** *Gheorghe Ionescu-Șișești* Prize of the Romanian Academy (1996); *Nicolae Comățeanu* Prize of ASAS (The Academy of Agricultural and Forestry Sciences), 2004, and AGIR Prize (1994) and numerous other awards.

**References:** <http://people.sc.fsu.edu/~inavon/navon.vita.pdf>