



Paola Malanotte-Rizzoli

USA

Affiliation: Massachusetts Institute of Technology, 1981 - present

Present position: Professor of Physical Oceanography.

Previous positions: Associate Scientist (1969-1976) and Senior Scientist (1976-1981) at the Istituto Grandi Masse, National Research Council of Italy, Venice, Italy.

Education: 1968 PhD in Theoretical Physics, University of Padua, Italy.

1978: PhD in Physical Oceanography, Scripps Institution of Oceanography, USA.

Service to MIT (recent):

1997-2009 MIT Director of the MIT/WHOI Joint Program in Oceanography;

2003-2005 Associate Chair of the Faculty;

2003-2004 member of the Advisory Committee for the choice of the MIT President.

Service to the Italian Government:

1995-2013 Consultant for the MOSE project on the construction of the mobile gates for the protection of Venice and its lagoon from extreme floods.

Service to IUGG/Associations:

1995-1999 Deputy Secretary general of IAPSO;

1999-2003 President of IAPSO; during her IAPSO presidency, in 1999, Prof. Malanotte-Rizzoli established through a correspondence with S.H.S Prince Rainier III of Monaco the IAPSO Albert I Gold Medal for excellence in the Physical Sciences of the Ocean

2003-2007 Past President of IAPSO;

2006-2007 Chair of the Scientific Program Committee of the XXIV General Assembly of IUGG.

Honors:

2013-2014 Singapore –MIT SMART Program Chair;

2006 Fellow, American Geophysical Union;

2002 Fellow, American Meteorological Society;

1998 winner of the MASI Prize of the Italian Government for scientific excellence;

1992 Editor's Award of the American Meteorological Society.

Author of 136 refereed publications in international journals

Editor, or Co-editor, of 13 bound books in International Editorial Companies.

Major research interests:

1982-1997 Co-chair of the IOC/UNESCO sponsored international program POEM (Physical Oceanography of the Eastern Mediterranean)

- 1) Coupled ocean/atmosphere climate modeling of the Asian Maritime Continent;

- 2) Modeling of the general circulation and property distributions of different oceanic basins (North Atlantic; Tropical Atlantic ; Tropical Pacific/Indian Ocean and the connecting South China Sea/ Indonesian Through-flow; Mediterranean and Black seas);
- 3) Assimilation of oceanographic data into general circulation ocean models;
- 4) Ecosystem modeling for the Black sea;
- 5) Theoretical/analytical models of nonlinear coherent structures in the ocean and atmosphere.