

Dr Gerassimos A. Papadopoulos - Brief CV

Chair, International Society for the Prevention & Mitigation of Natural Hazards

(2000-2006 & 2017-)

Chair, ICG/NEAMTWS/IOC/UNESCO (2017-)

**Research Director, Institute of Geodynamics,
National Observatory of Athens (IGNOA), Greece (2002-2018)**

Abbreviations: **AGU** Am. Geoph. Union; **AUTH** Aristotelian University of Thessaloniki; **EPPO** Earthquake Planning & Protection Organization; **ESC** Europ. Seismol. Commission; **GR** Greece; **ICG** Intergovernmental Coordination Group; **IOC** Intergovernmental Oceanographic Commission; **ISPMNH**, International Society for the Prevention & Mitigation of Natural Hazards; **NEAMTWS**, North East Atlantic & Mediterranean Tsunami Warning System.

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Studies

1986. Advance School on Seismology, Internat. Center for Theoretical Physics, Trieste. IT

1984. Post-Doctoral Researcher, Dept. of Earth Sciences, MIT, USA

1982: PhD, Seismology-Deep Tectonics, AUTH, GR

1975: BSc in Physical Sciences, AUTH, GR

Academic Career–Employment History

2002-2018. Research Director, IGNOA

2004. Visiting Professor, Dept. of Earth Sciences, Tohoku Univ., Japan

1995-2002. Researcher, IGNOA

1993. Visiting Researcher, Natl. Inst. for Earth Science & Disaster Prevention, Japan

1985-1994. Senior Scientist, EPPO, Athens, GR

1984-2005. Adjunct Professor of Geology & Geophysics, Hellenic Air Force Academy, GR

Research Interests-Student Supervisor-Projects

Main research interests: earthquakes, prediction, historical seismicity, tsunamis, natural hazards, early warning systems.

Supervisor: 7 PhD & 5 MSc theses.

Coordinator/CO, Co-Coordinator, PI in many national & international research projects.

Some EU Projects

On tsunamis: GITEC (1992-94), GITEC-TWO (1996-98), TRANSFER (2006-09), SCHEMA (2007-10); ASTARTE (2013-17); TSUMAPS-NEAM (2016-17) (PI)

NEARTOWARN (2012-13) (CO)

On earthquakes: ASPELEA (1997-00) (CO), SAFER (2006-09) (Co-C)

MASSIVE (2010-11), ZIP (2013-17) (PI)

On earthquakes & tsunamis: SEAHELLARC (2006-2009) (PI)

On early warning: ARISTOTLE (2016-2018) (PI)
On landslides: LEWIS (2002-06) (PI)

Publications-Citations

Papers/h/citations: Scopus 108/23/1682; ISI 85/21/1458, Google 323 (incl. abstr.)/32/3736. Author of 8 monograph books, 1 with Elsevier (2016).

Awards-Prizes-Other distinctions

Kyoto Prize, Japan. Invited Nominator 2006, 1998, 1994, 1990
Internat. Rammal Prize, Euro-Science Foundation. 2004
EU R. Descartes Prize, Finalist, Rome. 2003
Academy of Athens, Special Prize “The Best Study, Athens 1999 Earthquake”. 2002
ISPMNH Award. 1998
Ipektsi Award (under the UN Auspices). 1995
The Nekashizuka Prize, awarded jointly by “The Tsunami Society” and the “ISPMNH”. 1993

Invited-Solicited Talks in Large Societies (in last years only)

AGU: Fall Meeting, San Francisco, Dec. 2010, 2011, 2012. Invited talks
EGU: General Assembly, Vienna, Apr. 2011, 2012. Solicited talks.
IUGG: Internat. Tsunami Symposium, Bali, Aug. 2017. Invited talk.

Editorial Activity

Invited Coordinating Lead Author: Chapters on Earthquakes, Volcanic Eruptions, Tsunamis, Volume “Science for Disaster Risk Management”, DRMKC-JRC, EU, 2017
Guest Co-Editor: “Natural Hazards & Earth System Sciences”, EGU, 2016
Guest Co-Editor: “Natural Hazards”, Kluwer, 2002, 2003, 2006, 2007
Guest Co-Editor: “Journal of Geodynamics”, Elsevier, 2005
Managing Co-Editor, “Tsunamis in the Mediterranean Sea 2000 B.C.–2000 A.D.”, by S. L. Soloviev et al., Kluwer, 2000

Chairman/Organizer of International Conferences & Workshops

2014/10. Workshop “Mega Earthquakes & Tsunamis in Subduction Zones”, Rhodes, GR
2011/5. “7th Statistical Seismology Workshop”, Santorini, GR
2008/9. “31st General Assembly of ESC”, Crete, GR
2005/6. “22nd International IUGG Tsunami Symposium”, Crete, GR
10th, 9th & 7th ISPMNH Symposia “Natural & Man-Made Hazards” (2004/12, Hyderabad, India, Co-Chairman Prof. T. Beer; 2002/10, Antalya, Turkey; 1998/5, Crete).
1999/11. “1st Conference “Advances in Natural Hazards Mitigation: Experiences from Europe & Japan”, European-Japan Experts Association Berlin, Athens.

Since 1990’s convener & co-convener of tenths of sessions in EGU, ESC and other international conferences in natural hazards, earthquakes and tsunamis.

Service in Scientific Organizations

ICG/NEAMTWS/IOC/UNESCO: Chairman 2017-; Vice-Chairman 2005-2009; Member in various Task Teams (2010-2017).

ISPMNH: President, 2000-2006 & 2017-
International Assoc. for the Promotion of Geoethics: Responsible of Greek Section, 2016-
AGU Commission on International Partnership: Member, 2010-2017.
International Commission on Earthquake Forecasting for Civil Protection: Italian Dept.
of Civil Protection, Member, 2009-2011
ESC: Vice-President, 2006-2008
ESC: Earthquake Prediction Sub-Commission, Chairman, 2004-2006
IUGG: Tsunami Commission, 2003-2011. Vice-Chairman
Council of Europe: Advisory Evaluation Committee for Earthquake Prediction, Vice-
Chairman, 1994-2000.

Mass Media Communications

1985-. More than 1000 interviews in Greek mass media (TV, radio, press, internet) about earthquakes and tsunamis.
2004-2005. Interviews with European channels (TV5 France, ZDF Germany) about the 26 Dec. 2004 Indian Ocean tsunami.
2009-2010. Participation in a documentary movie of the public TV channel NHK, Japan, commemorating the Kobe 1995 earthquake.
2010-2011. Participation in a documentary movie about earthquakes and tsunamis of the Mediterranean Sea, "Mira Productions", France.
2016. Collaboration with ZDF for the production of a documentary movie on Tsunamis.
2018. Tsunami video interview, UNESCO.

Main achievements: ● In 1980's he was one of the very first to introduce the concept of long-term accelerating seismicity, including short-term foreshocks, and its possible value for earthquake forecasting, a topic which later attracted wide interest among the international seismological community. ● His studies included hazards associated with seismically induced ground failures (1993: for soil liquefaction; 2000: for landslides), producing new global/regional empirical relationships between earthquake magnitude and maximum distance at which ground failure may occur. These relationships find extensive applications. ● In 2001, along with Prof. F. Imamura (Tohoku Univ. Japan), introduced the homonymous new 12-point tsunami intensity scale which today finds extensive use and application globally. ● Founder of the Greek national tsunami warning system (1996-1998 experimentally, 2005 typically in the frame of NEAMTWS). ● Founder of local seismic & tsunami warning systems (Rhodes Isl., Greece, NEARTOWARN EC-DG-ECHO project, 2012-2013). This concept is now finding wider acceptance and continuation (e.g. JRC-EU 2018 initiative). Since 2005 contributes constantly from various positions at the ICG/NEAMTWS/IOC/UNESCO. ● 2016. Author of a monograph book with Elsevier on Tsunamis in European-Mediterranean Region.