BIOGRAPHICAL SKETCH

Costas Emmanuel Synolakis ‡

EDUCATION :

Ph.D., Civil Engineering, California Institute of Technology.	1986
M.S., Civil Engineering, California Institute of Technology.	1979
B.S., Engineering and Applied Science, California Institute of Technology.	1978

POSITIONS :

President, Hellenic Center for Marine Research (HCMR), Greece.	2011–2013
Chair, UNESCO's IOC Review Board on the Pacific Tsunami Warning Center.	2005
Professor of Natural Disasters, Department of Environmental Engineering, TUC.	2004
Professor of Civil, Environmental, Mechanical and Aerospace Engineering, USC.	1997
Associate Professor of Civil, Environmental and Aerospace Engineering, USC.	1991
Visiting Professor, University of California, Berkeley.	1994
Assistant Professor of Civil and Environmental Engineering, USC.	1985

AWARDS AND HONORS :

The Sergey Soloviev Medal of the European Geophysical Union.	2013
Man of the Year for the Environment, Greece.	2010
The County of Los Angeles Award on Leadership in Emergency Preparedness.	2001
Presidential Young Investigator, the White House.	1989
The Alexander Onassis Public Benefit Foundation Fellowship.	1981

‡ Statistics–at–a–glance : Over 30,000 individual references in the new *Google* – over 59,000 in Yahoo, over 100 peer reviewed papers with over 3000 citations in ISI, h index 34(Oct 2014), 5 books, over 220 conference presentations, ten DISCOVERY, seven BBC, four National Geographic, four History Channel, one ZDF documentaries and over 250 US and international TV appearances in US, Canadian, Turkish, Japanese, Vanuatu, PNG and Greek TV prime time interviews. Six interviews with the New York Times, four with the Washington Post, and one each in the Wall Street Journal, the Economist, Der Spiegel, New Zurcher Zeitung, Le Monde, El Pais, and over 40 in the Los Angeles Times, Seattle Post, San Francisco Examiner, more than 40 interviews in Greek national newspapers, Graduated 6 Ph.D. students; over US$ 4.0 million in individual research grants; and 800,000 euros in EU grants and 700,000 national grants (not including HCMR), 80 invited seminars, led or co–organized 23 international tsunami surveys. USC's Viterbi School of Engineering consistently ranks in the top ten of the US News and World Report rankings. The site www.usc.edu/dept/tsunamis of the Tsunami Research Center that I founded has over 35 million hits since its inception in 1998. *Man of the Year* is a visible award voted upon by the readership of a large circulation general magazine in Greece, included only because of the caliber of earlier recipients.

JOURNAL PUBLICATIONS IN REVERSE CHRONOLOGICAL ORDER:

98.– Valle, B.L., Kalligeris, N., Findikakis, A.N., Okal, E.A., Melilla, L. & Synolakis, C.E., 2014, Plausible megathrust tsunamis in the eastern Mediterranean Sea, *Engin. Comput. Mech.* **167**, 99–105, doi.org/10.1680/eacm.13.00027

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96.– Kanoglu U., Titov, V.V., Aydin, B., Moore, C., Stefanakis, T.S., Zhou, H., Spillane, M., & Synolakis, C.E., 2013, Focusing of long waves with finite crest over constant depth, *PROC. R. SOC. A.* **469** doi:10.1098/rspa.2013.0015

95. – Flouri, E. T., Kalligeris, N., Alexandrakis, G., Kampanis, N. and Synolakis, C.E., 2013, Application of a finite difference computational model to the simulation of earthquake generated tsunamis, *APPLIED NUMERICAL MATHEMATICS /* **67** 111–125.

94. – Foteinis, S., Kallithrakas-Kontos, N.G. and Synolakis, C, Heavy Metal Distribution in Opportunistic Beach Nourishment: A Case Study in Greece, 2013, *SCIENTIFIC WORLD JOURNAL* , Article Number: 472149.

93.– Kazolea, M., Dellis, A.J., Nikolos, I.K., Synolakis, C.E., 2012, An unstructured finite volume numerical scheme for extended 2D Boussinesq–type equations. *COASTAL ENGINEERING,* **69**, 42–66 DOI: 10.1016/j.coastaleng.2012.05.008.

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90.– Mitsoudis, D.A., Flouri, E.T., Chrysoulakis, N., Kamarinakis, Y., Okal E.A., Synolakis, C.E., 2012, Tsunami Hazard in the southeast Aegean Sea, it COASTAL ENGINEERING, **60**. 136–148, DOI : 10.1016/j.coastaleng.2011.09.004.

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2006 Western Java Tsunami, Indonesia: Use of Grain Size Analyses to Assess Tsunami Flow Depth, Speed, and Traction Carpet Characteristics, *PURE AND APPLIED GEOPHYSICS* **168** (11) 1951–1961. DOI: 10.1007/s00024–011–0280–8.

87.– Fritz, H.M., Petroff, C.M., Catalan, P.A., Cienfuegos, R., Winckler, P ., Kalligeris, N., Weiss, R., Barrientos, S.E., Meneses, G ., Valderas-Bermejo, C., Ebeling, C., Papadopoulos, A., Contreras, M., Almar, R ., Dominguez, J.C. Synolakis, C.E. , 2011, Field Survey of the 27 February 2010 Chile Tsunami, *PURE AND APPLIED GEOPHYSICS* **168** (11) 1989–2010, DOI: 10.1007/s00024–011–0283–5.

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163. – Yalciner, A. and 10 others (2012) Field survey of the coastal impact of the March 11, 2011 great East Japan tsunami, *2012 European Geophysical Union, General Assembly*, Vienna, Austria, EGU2012–11588.

164. – Kalligeris, N., Flouri E., Okal, E., Synolakis, C. (2012)The AD 365 earthquake: high resolution tsunami inundation for Crete and full scale simulation exercise, *2012 European Geophysical Union, General Assembly*, Vienna, Austria, EGU2012–11787.

165. – Eberling, Okal, E.A., Kalligeris, N., Synolakis, C.E. (2012) Modern seismological reassessment and tsunami simulation of historical Hellenic Arc earthquakes, *2012 European Geophysical Union, General Assembly*, Vienna, Austria, EGU2012–11809 .

166. – Fritz, H.M., D.A. Phillips, A. Okayasu, T. Shimozono, H. Liu, S. Takeda, F. Mohammed, V. Skanavis, C.E. Synolakis, and T. Takahashi (2012). 2011 Tohoku tsunami video and TLS based measurements: hydrographs, currents, inundation flow velocities, and ship tracks, Abstract NH43B–1659 presented at 2012 Fall Meeting, AGU, San Francisco, CA.

167. – Fritz, H.M., D.A. Phillips, A. Okayasu, T. Shimozono, H. Liu, F. Mo-hammed, V. Skanavis, C.E. Synolakis, and T. Takahashi (2012). 2011 Japan tsunami observations and inundation velocity measurements from survivor videos using LiDAR, Abstract AvH8-46 presented at EGU Top-ical Conference Series, 8th Alexander von Humboldt International Conference: Natural Disasters, Global Change, and the Preservation of World Heritage Sites, Cusco, Peru, 12–16 November 2012.

168. – Fritz, H.M., D.A. Phillips, A. Okayasu, T. Shimozono, H. Liu, F. Mohammed, V. Skanavis, C.E. Synolakis, and T. Takahashi (2012). 2011 Japan tsunami measurements from videos recorded by survivors at evacuation sites using LiDAR, Abstract OS07–17–A007 presented at AOGS-AGU (WPGM) Joint Assembly 2012, Singapore, 13–17 August 2012. (invited)

169. – Fritz, H.M., D.A. Phillips, A. Okayasu, T. Shimozono, H. Liu, S. Takeda, F. Mohammed, V. Skanavis, C.E. Synolakis, and T. Takahashi (2013). 2011 Japan tsunami video and LiDAR based measurements: hydrographs, currents, inundation flow velocities, and ship tracks, 2nd International Conference Caribbean Waves, Gosier, Guadeloupe, French West Indies, 22–25 January 2013. (invited)

170. – Kazolea, M., Delis A.I., and C.E. Synolakis (2012) Finite Volume Techniques for Boussinesq type modelling. , 1st International Conference on Frontiers in Computational Physics: Modelling the Earth System, Boulder, Colorado.

171. – Foteinis, S., Skanavis, V., Maravelakis, N., Kalligeris, N., Sartzetakis, G., Voukouvalas, V., Koutsogianaki, I., Synolakis, C. (2013), Anthropogenic Erosion in Aghios Nikolaos, Greece, Abstract EGU2013-9387 presented at the EGU General Assembly, Vienna, Austria, 7–12 April 2013.

172. – Skanavis, V., Maravelakis, N., Kalligeris, Papadogiannis, C., Sartzetakis, G., Voukouvalas, V., Synolakis, C. (2014) Coastal retreat in Chanea, Greece, EGU2014–15408, presented at EGU General Assembly, Vienna, Austria, 27 April–2 May 2014.

173. – Synolakis, C.E. (2014) When tsunamology and geophysics clash, throw geophysics in the trash (Sergey Soloviev Medal Lecture) EGU2014–16538, presented at the EGU General Assembly, Vienna, Austria, 27 April –2 May 2014.

174. – Synolakis, C.E..(2014) Lessons Learned and Unlearned from the 2004 Great Sumatran Tsunami, S13E-03 *Invited/* AGU 2014.

175. – Fritz H.M. et al. (2014) Tohoku tsunami runup hydrographs, ship tracks, upriver and overland flow velocities based on video, LiDAR and AIS measurements, S13E-082011, AGU 2014.

176. – Skanavis, V., Foteinis, S., Sartzetakis, G., Papadogianis, C., Synolakis, C. (2014) Erosion of the beaches of Crete, OS23B-1195, AGU 2014.

177. – Maravelakis, N. Kalligeris, N., Lynett, P., and Synolakis, C.E., (2014) Wave amplification studies of the Venetian harbor of Chania, Crete; Field measurements and numerical modeling, B62, International Conference on Coastal Engineering, ICCE2014, Seoul, South Korea.

178.– Kazolea, M., Delis, A., Synolakis, C.E. (2014) TUCWAVE code for the Boussinesq-type equations, A55, International Conference on Coastal Engineering, ICCE2014, Seoul, South Korea.

179. – Kanoglu, U., Sharghivand, N., Kalligeris, N., Flouri, E., Hoto, O., Dougalis, V.A., Synolakis, C.E. (2014) Capacity building in tsunami modeling for the Aegean Sea Shorelines, P2E1, International Conference on Coastal Engineering, ICCE2014, Seoul, South Korea.

RESEARCH GRANTS

All multi–year grants are listed under one heading.

2013–2015 *ASTARTE - Assessment, STrategy And Risk Reduction for Tsunamis in Europe*, the EU Directorate of Research and Innovation, $490,000.
2013–2014*THE EU PROMETHEUS 2014 PROJECT: an EU Civil Protection Mechanism Exercise*, EU DG Echo, $45,000.
2012–2014 *Coastal measurements of waves and currents to determine shore protection measures in Chanea*, the Prefecture of Crete, Greece, $520,000.
2012–2013 *RAPID: Measurements of activity concentrations in soils from the Fukushima NPP accident*, Division of Civil, Mechanical, and Manufacturing Innovation, National Science Foundation, $15,000.

2011–2012 *RAPID: Tsunami Reconnaissance of the 11 March 2011, Tohoku tsunami*, Division of Civil, Mechanical, and Manufacturing Innovation, National Science Foundation, $100,000.
2010–2011 *RAPID: Tsunami Reconnaissance of the 27 October 2010 Mentawai, Sumatra tsunami*, Division of Civil, Mechanical, and Manufacturing Innovation, National Science Foundation, $95,000.
2010–2011 *RAPID: Tsunami Reconnaissance of the 27 February 2010 Chilean tsunami*, Division of Civil, Mechanical, and Manufacturing Innovation, National Science Foundation, $75,000.
2009–20010 *RAPID: Tsunami Reconnaissance of the 29 September 2009 American Samoa and Samoa Islands Earthquake*, OCE 1000694, Division of Ocean Sciences, National Science Foundation, with Professor H.M. Fritz, $60,570.
2009–2011, *Initial Waves from Deformable Submarine Landslides*, CMMI 0928905 Division of Civil, Mechanical, and Manufacturing Innovation, National Science Foundation, $166,614.
2006–2008, *SGER: Reconnaissance Survey of the July 17, 2006 Central Javan Earthquake and Tsunami* , CMMI 0646278, Division of Civil, Mechanical, and Manufacturing Innovation, National Science Foundation, with Professor H.M., Fritz, $ 39,950 .
2006–2008, *Inundation Maps for California*, Governor's Office of Emergency Services, $208,866.

2005–2006, *SGER: Reconnaissance Survey of the December 26, 2004 Great Sumatran Earthquake and Tsunami*, CMMI 0531851, Division of Civil, Mechanical, and Manufacturing Innovation, National Science Foundation, with Professor Jose Borrero, $ 50,000.

2004–2009, *Collaborative Research Utilizing NEES Facilities: Landslide Tsunamis and Runup* CMMI 0324434, Division of Civil, Mechanical, and Manufacturing Innovation, The National Science Foundation, Amount : $ 284,112.
2003–2008, *Generation Mechanisms of Near–and–Far Field Tsunamis*, CMMI 0301081, Division of Civil, Mechanical, and Manufacturing Innovation, National Science Foundation, $ 227,882.

2003, *Reconnaissance Survey of the September 9, 2002 Papua New Guinea Earthquake and Tsunami*, CMMI 0244537, Division of Civil, Mechanical, and Manufacturing Innovation, National Science Foundation, $ 36,000.

2001–2006, *Cooperative Research: Coastal Effects of Tsunamis*, CMMI 0099333, Division of Civil, Mechanical, and Manufacturing Innovation, National Science Foundation, $ 210,004.

2001–2002, *Tsunami inundation maps for Monterey Bay*, California, Governor's Office of Emergency Services, $ 52,000.

2001–2003, *SGER: Field Survey of Easter Island*, CMMI 0105171, Division of Civil, Mechanical, and Manufacturing Innovation, National Science Foundation, $ 45,673.

2000–2001, *SGER : Field survey of the Marquesas Islands* , CMMI 0092531, Division of Civil, Mechanical, and Manufacturing Innovation, National Science Foundation, $20,600.

1999–2001, *Workshop on the Prediction of Underwater Landslide & Slump Occurrence And Tsunami Hazards Off Of Souterhn California*, CMMI 9981789, Division of Civil, Mechanical, and Manufacturing Innovation, National Science Foundation, with Professor JP . Bardet, $47204.

1998–2001 *Tsunami standards and guidelines for the ports of Los Angeles and Long Beach*, Federal Emergency Management Agency, $ 640,345.

1999–2000, *Tsunami inundation maps for Southern California*, Governor's Office of Emergency Services. $ 98,000.

1997–1998 *Workshop on Tsunamigenic Seafloor Deformations*, CMMI 9713299, Division of Civil, Mechanical, and Manufacturing Innovation, National Science Foundation. With Professors G. Carrier, P. Liu, H. Yeh, $ 35,000

1996–2001, - *Cooperative Research: Three-Dimensional Effects of Tsunami Runup Onto a Coastline*, CMMI 9614221, Division of Civil, Mechanical, and Manufacturing Innovation, National Science Foundation, $ 189,718.

1996–1997, *Field Survey of the February 17, 1996 Irian Jaya Tsunami* , CMMI 9633792, Division of Civil, Mechanical, and Manufacturing Innovation, National Science Foundation, $ 13,464.

1994–1997 – *International Workshop on Long Wave Runup Models*, CMMI 9416997 Division of Civil, Mechanical, and Manufacturing Innovation, National Science Foundation, with Professors Harry Yeh & Philip Liu, $ 65,027.

1994–1996, *The Sloshing of the Los Angeles Dam During the Northridge January 17, 1994 Earthquake*, CMMI 9416509, Division of Civil, Mechanical, and Manufacturing Innovation, National Science Foundation, $ 50,155.

1992–1997, *Cooperative Research: Three-Dimensional Effects of Tsunami*, CMMI 9416509, Division of Civil, Mechanical, and Manufacturing Innovation, National Science Foundation, $234,067.

1991–1996, *Emission of VOCs from asphalt paving*, Southern California Air Quality Management District, with Professor Mike Pirbazari. $ 438,986.

1989–2007, *Presidential Young Investigators Award*, CMMI 8957853, Division of Civil, Mechanical, and Manufacturing Innovation, National Science Foundation, $321,559.

1991–1995, *Integrated analytical and experimental approaches in the evaluation of reinforced concrete structures*, The Contactors'/Carpenters' Cooperative Council, 1 of 8 co–pi/s. $ 2,450,000.

1990–1992, *International Workshop on the Runup of Long Ocean Waves Onto a Coastline*, Division of Civil, Mechanical, and Manufacturing Innovation, National Science Foundation,

$39,408.

1999–2002, *The development of an asphalt core tomographer*, The Strategic Highway Research Program of the NAS, with Professors R. Leahy, D., D. Yeh and V. Chang, $ 954,000.

1989-1992 *The Runup of a Tsunami (Seismic Sea Wave) on to a Shoreline*, CMMI 8957853, Division of Civil, Mechanical, and Manufacturing Innovation, National Science Foundation, $129,903.

1989–1990, *Engineering Research Equipment Grant: LDV Measurements of Water Wave-Structure Interaction.* CBET 8906898, Division of Chemical, Bioengineering, Environmental, and Transport Systems, National Science Foundation, with Prof. J.J. Lee., $ 47,500.

1987–1988, *The runup of cnoidal waves*, The Faculty Research and Innovations Fund, USC, $ 15,000.

1986-1987, *The forces on an accelerating plate in a fluid with a free surface*, The Faculty Research and Innovations Fund, USC. Amount : $ 18,000.

1986–1987, *Graphics software for analysis of deformation of fluid elements*, IBM–ACIS, $ 12,000.

CURRENT DOCTORAL STUDENTS:

– Nick Kalligeris *Inundation from Tsunami Hazards in the Mediterranean, TUC and USC – co advised him with Professor Pat Lynett*

– Evangelia Flouri *Tsunami inundation in Crete and Rhodes, TUC*

– Bill Skanavis *Surfzone dynamics in the Aegean*

– Nick Maravelakis *Harbor oscillations in the Bay of Chanea, TUC*

FORMER DOCTORAL STUDENTS :

– Lesley Ewing July 2014, *Community Resilience to Coastal Disasters , USC*

– Spyros Foteinis, February 2014, *Study of Coastal Erosion in Crete* Spyros just graduated and will likely be a post–doc at the University of Edingburgh

– Maria Kazolea, November 2013 *Higher order Boussinsesq models in hydrodynamics* Maria just graduated and will likely be a Marie Curie scholar in the EU.

– Burak Uslu, June 2009 *Probabilistic Hazard Assessment for California* Burak is now a research engineer at NOAA's Pacific Marine Environmental Laboratory.

– Jose Borrero, August 2002, *Tsunami hazards in Southern California.* Jose is now a Research Associate at USC.

– Christophe Ruscher, September 1997, *The sloshing of trapezoidal reservoirs.* Christophe has recently returned from a position of visiting Professor at DPRI, Kyoto University and he is an independent consultant to our tsunami hazards mitigation program.

– Vasily Titov, December 1996, *Hydrodynamic modeling of 3–D tsunami runup.* Vasily is currently research scientist with NOAA/PMEL.

– Utku Kanoglu, June 1996, *The runup of long waves on piece-wise linear 2–D and 3–D topographies.* Utku is currently an associate professor of engineering mechanics at the Middle East Technical University in Ankara, Turkey.

– Zhenyou Zhou, May 1995, *Maximum likelihood hyper–parameter estimation for Gibbs priors from incomplete data with applications in image processing.* Zhenyou started with Rockwell International, "moved on", and in 2003 sold his .com company for $15million.

TEACHING IN THE US:

The semester when a particular class was taught is indicated by an f or s for fall and spring respectively. The average teaching evaluation score for CE309 over 11 years is 4.23; the School of Engineering average is beleived to be 3.8.

Engr 102 Introduction to Engineering	f 2014
CE 526 Engineering Mathematics	f2014,s 2014
CE 520b Advanced Coastal Engineering,	s2014
CE 451 Water Resources Engineering.	f2003, s2010
CE 309 Introduction to Fluid Mechanics.	1985–1999, 2013
CE 106 Introduction to Civil Engineering.	1995–1999
AE 525a Engineering Mathematics – Complex variables.	f1990
CE 525b Engineering Mathematics – Intro. to PDEs.	f1991 & 1995, s2010, f2013
AE 441 Experimental Methods in Aerospace Engineering.	f1988,f1989,f1990
CE 410 Environmental Fluid Mechanics.	1993
CE 510a Coastal Engineering.	s1987
CE 470 Hydrologic Design.	s1986
CE 466 Open Channel Flow and Sediment Transport, USC.	s1988

As a teaching assistant at Caltech: Coastal Engineering, Hydrologic Transport Processes, Laboratory Methods in Engineering and Applied Science, Fluid Mechanics and Gas Dynamics (1977–1985).

OTHER PROFESSIONAL ACTIVITIES – INVITED SEMINARS AND TALKS :

91. – Department of Earth Sciences, Northwestern University, Evanston, Ill. 1/15

90.– Department of Earth Sciences, California Institute of Technology, Pasadena, Cali. 11/14

89.– Department of Civil Engineering, University of Southern California, Loa Angeles, California 9/14

88.– Middle East Technical University, Ankara, Turkey, 5/14

87.– The Sergey Soloviev Medal Lecture, Vienna, Austria, 4/14

86.– TEDx Athens 11/13
85.– Department of Earth Sciences, University of Cambridge, 5/13
84.– Rotary Club, Chanea, Crete, 2/13
83.– Northwestern University, Evanston, Ill. 4/12
82.– Hellenic Chamber of Engineers, Kalamata, Greece 1/12
81.– US Senate, Washington DC 9/11
80.– Landesamt fur Denkmalpflege und Archologie, Halle/Saale, Germany 10/11
79.– Pythagoras Institute, Samos, Greece 9/11
78.– Stanford University, Stanford, California 5/11
77.– Hellenic Psychoanalytic Association, Athens, 3/11
76.– Ministry of Education, Athens, 3/11
75.– Hellenic Chamber of Engineers, Patras, Greece, 3/11
75.– US Navy, San Diego, California 2/11
74.– California Science Center, Los Angeles, 12/10
73.– Oregon State University, Corwalis, OR, 11/10
72.– Liceo Lorenzo Bieza Vega. Easter Island, Chile, 3/10
71.– UNESCO- NEAMTWS Keynote, Istanbul 11/09
70.– California Seismic Safety Commission, San Francisco 10/09
69.– RegioClima - Keynote, Heraklion, Greece 10/09
68.– UNESCO - NEAMTWS, Athens, Greece 12/08
67.– Solutions to Coastal Disasters - Plenary speaker, Oahu 4/08
66.– Society for the Protection of Nature, Athens, 4/08
65.– Natural History Museum, Heraklion, Greece, 5/08
64.– City of Chanea, Keynote for the Day of the Environment, Greece, 6/08
63.– Technical University of Crete, 6/08
62.– Municipality of Aghia Galini, Greece, 6/08
61.– Hellenic Chamber of Engineers, 6/08
60.– Vandebuilt University, 11/07
59.– Foundation of Research and Technology Hellas, 10/07
58.– City of Tympaki, Greece, 8/07
57.– German Science Foundation, Bremerhaven, 4/07
56.– UNESCO General Session on the Indian Ocean, 12/06
55.– Hellenic Chamber of Engineers, Chanea, 11/06
54.– Arizona State University, 4/06
53.– The Royal Society, London 10/05
52.– Kyoto University, 9/05
51.– Foundation of Research and Technology, Greece, 9/05
50.– Massachussetts Institute of Technology, 4/05
49.– Natural History Museum, Los Angeles, 5/05

48.– Hellenic Center of Marine Research, 6/05
47.– Ecole Normal Superieure, 3/05
46.– Earthquake Engineering Research Institute, 3/05
45.– Koshland Museum, National Academy of Sciences, 2/05
44.– Indian National Science Academy, 1/05
43.– Northwestern University, Department of Geological Sciences, 10/04
42.– Aquarium of the Pacific keynote Lecture, Long Beach, California. 10/02
41.– Southern California Earthquake Center, Los Angeles, California. 1/01
40.– Dept. of Civil Engineering, Middle East Technical University, Ankara, Turkey. 1/01
39.– Department of Geophysics, University of Chile, Santiago. 11/00
38.– Pacific Marine Environmental Laboratory, NOAA. 5/00
37.– Santa Monica Planetarium, Santa Monica, California. 3/00
36.- Department of Civil Engineering and Applied Mechanics, Caltech. 1/00
35. – Department of Mechanical and Aerospace Engineering, Arizona State University. 10/99
34.– The Waterways Ports, Coastal and Ocean Engineering Division, ASCE Los Angeles Technical Group. 9/99
33.– US Coast Guard. 6/99
32.– Department of Aeronautical Engineering, Caltech. 4/99
31.– Engineering Honors Colloquium, USC. 4/99
30.– Structural Engineering Association of Southern California. 3/99
29.– Division of Natural Hazards Mitigation, National Science Foundation. 3/99
28. – Department of Environmental Engineering Science, Caltech. 12/98
27.– State of California, Seismic Safety Commission. 9/98
26.– Disaster Research Prevention Institute, Kyoto University. 7/98
25.– Governor's Office of Emergency Services, State of California 4/97
24 – Department of Geological Sciences, University of California, Los Angeles. 1/98
23.– Bureau of Metereology and Geophysics, Government of Indonesia. 6/96
22.– Department of Mechanical and Aerospace Engineering, Arizona State University. 4/96
21.– Department of Civil Engineering and Geological Sciences, Notre–Dame. 11/95
20.– Department of Civil Engineering, Imperial College, London. 6/95
19. – Department of Aerospace Engineering, Stanford University. 1/95
18.– Joint Department of Ocean Sciences and Geology, USC. 12/94
17.– Department of Civil and Environmental Engineering, UCLA. 10/95

16.– Hawaiaan Society of Professional Engineers, Kahului, Maui. 5/95

15.– US Army Corps of Engineers, Waterways Experiment Station. 2/94

14.– Bureau of Metereology and Geophysics, Jakarta, Indonesia. 6/93

13.– Department of Aerospace Engineering, USC. 3/93

12.– Department of Environmental Engineering Science, Caltech. 2/93

11.– Department of Ocean Engineering, UC Berkeley. 1/93

10.– US Army Corps of Engineers, Waterways Experiment Station. 11/92

9.– Department of Mechanical Engineering, USC. 10/92

8.– Department of Civil Engineering, University of Washington. 2/92

7.– Department of Civil Engineering, University of Washington. 4/90

6. – Department. of Mathematics and Computer Science, Clarkson University. 11/90

5.– Department of Civil Engineering, University of Washington. 4/90

4.– Department of Mathematics and Computer Science, Clarkson University. 11/87

3.– Department of Civil Engineering, Columbia University. 9/86

2..– Department of Civil Engineering, University of Southern California. 5/85

1.– Department of Mechanical Engineering, UC, Santa Barbara. 5/84

PROFESSIONAL EXPEDITIONS – FIELD SURVEYS :

27. – The 3/11/11 Great Japan tsunami 8/13

26. – The 3/11/11 Great Japan tsunami, 4/11

25. – The 10/27/10 Mentawais, Sumatra tsunami, 11/10

24. – The 2/27/10 Chile tsunami, 3/10

23. – The 1/3/10 Solomon Islands tsunami (Student N. Kalligeris attended), 1/10

22. – The 9/29/09 Samoan tsunami, 10/10

21. – The 4/10/07 Solomon Islands tsunami (Student N. Kalligeris attended), 4/07

20. – The 07/17/06 Central Javan tsunam,i 7/06-8/06

19. – The 12/26/04 Megatsunami - 3 different expeditions, 1/05–8/05

18. – The 9/9/02 Papua New Guinea tsunami (Led by Dr. Jose Borrero), 9/15–9/25/02

17. – The Unimak, Island field survey of the 1946 tsunami, 8/10–8/20/01

16. – The Easter and Juan Fernandez Islands survey of the 1946 tsunami, 11/17–12/2/00

15. – The Marquesas and Society Islands field survey of the 1946 tsunami, 7/29–8/28/00

14. – The 11/17/99 Penetcost Vanuatu earthquake and tsunami, 12/10–12/22/99

13. – The 8/17/99 Izmit, Turkey earthquake and tsunami, 8/19–8/26/99

12. – The 7/17/98 Sissano, Papua New Guinea earthquake and tsunami, 7/28-8/10/98.

11. – The 2/21/96 Chimpote, Peru earthquake and tsunami, 3/15–3/24/96

10. – The 2/14/96 Biak, Irian Jaya earthquake and tsunami, 3/2–3/14/96

9. – The 10/9/95 Manzanillo, Mexico earthquake and tsunami, 10/4 –10/18/95

8. – The June 1995, Aigion, Greece earthquake and tsunami. 1995.

7. – Post–event survey of the Nicaraguan coastline, 3/15–3/31/95

6. – The 11/14/94 Mindoro, Philippines earthquake and tsunami, 11/24–12/2/94

5. – The 10/4/94 Kuril islands, Russia earthquake and tsunami, 10/20–10/27/94
(Student Vasily Titov attended.)

4. – The 6/2/94 East Java, Indonesia earthquake and tsunami, 6/18–7/2/94

3. – The 1/17/94 Northridge earthquake dam motions, 1/18–1/21/94

2. – The 12/12/92 Flores, Indonesia earthquake and tsunami, 12/21/92–1/6/93

1. – The 9/1/92 Nicaraguan earthquake and tsunami, 9/15–9/20/92

OTHER PROFESSIONAL ACTIVITIES – UNIVERSITY GOVERNANCE :

- The European Academies Science Advisory Council, Working Group on Marine Sustainability. 2013–present

– National Research Council Committee on the US National Tsunami Hazard Mitigation Program. 2008–present

– Department of Commerce Review Panel for NOAA–PMEL 2008

– National Research Council of Greece ($E\Sigma ET$) 2008–2010
($E\Sigma ET$ is the advisory board of the Hellenic Ministry of Research and Development on research priorities and selects all institutional review boards for government research appointments and advises on the formation or closure of research institutes.

– Chair, Hellenic Committee of UNESCO on tsunamis 2004–present

– Member, Ministry of Research & Development, Organization of Antiseismic Design ($OA\Sigma\Pi$), Greece 2008–present

– Chair, UNESCO committee on the evaluation of ITS-PTWS (Pacific Tsunami Warning System) 2004–2008

– University Search Committee for the Dean of the School of Engineering. 2000–2001

– Senator, Academic Senate of the University of Southern California. 1998–2000
(The Academic Senate is the elected faculty governing body of USC).

– Chairman of the Engineering Faculty Council (EFC). 1998–1999
(The EFC is the elected faculty governing body of the School of Engineering)

– Secretary of the Engineering Faculty Council. 1998–1999
(The EFC is the elected faculty governing body of the School of Engineering)

– University Committee on Promotions and Tenure. 1997–1999
(The 6 person UCAPT votes on all promotion files throughout USC, after the promotion committees of departments and Schools submit their recommendations.)

– Representative at Large, School of Engineering, APT Committee. 1995
(The Appointments, Promotions and Tenure Committee has one member elected from each department and ratifies all new appointments and promotions.)
– Executive Committee, Department of Civil Engineering. 1995
– University Athletic Facilities Advisory. 1994–1996
– Coordinator, USC-SHRP Asphalt Research Program. 1988–1992
– Senator, Academic Senate . 1991–1993
– CE representative, Engineering Faculty Council. 1992–1993
– University Student Affairs. 1988–1991
– University Student Retention. 1989–1990
– University Bookstore Advisory. 1992–1993
– Faculty Center Board of Directors. 1988–1990
– Recruitment, Seminar, Computing Facilities, Civil Engineering. 1988–1991

California Insitute of Technology

- Chairman, Graduate Student Council (GSC), 1982–1984
(The GSC is elected body of the graduate students of Caltech.)
– Faculty Board. 1982–1984
– Committees on Graduate Standing, Convocations. Housing. Programs. Alumni Board of Directors. 1981–1985
– Secretary, Graduate Student Council. 1980–1982

OTHER PROFESSIONAL ACTIVITIES – SOCIETIES :†

– American Association for the Advancement of Sciences, since 1980
– American Society of Civil Engineers, since 1979
– American Geophysical Union, since 1979
– Association of Asphalt Paving Technologists, 1988–1994
– American Physical Society, 1986 –1998
– European Geophysical Union, , since 2002
– Society of Theoretical and Applied Mechanics, since 1993
– Earthquake Engineering Research Institute, since 1994
– New York Academy of Sciences, 1986-01995
– International Association for Hydraulic Research, 1980–1996
– Sigma Xi, The Scientific Research Society, 1985–2000
– Chi Epsilon, The Engineering Honors Society, 1997–2000

† I do my best to pay dues, but the membership in some societies may not be current, as occasionally my office delays payments.

OTHER PERSONAL INFORMATION :

Languages : Greek, German
Professional Examinations : EIT (1982), registered PE in the European Union (1988).
Citizenship : USA