

CIRRICULUM VITAE

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EDUCATION

PH.D. IN AEROSPACE ENGINEERING AUGUST 1998
UNIVERSITY OF SOUTHERN CALIFORNIA LOS ANGELES, CA

- DISSERTATION TITLE: The runup of long waves around piecewise linear topographies.
- DISSERTATION ADVISOR: Prof. Dr. Costas Emmanuel Synolakis.

MASTER OF BUSINESS ADMINISTRATION JULY 1988
ISTANBUL UNIVERSITY ISTANBUL, TURKEY

MS IN MECHANICAL ENGINEERING JULY 1988
ISTANBUL TECHNICAL UNIVERSITY ISTANBUL, TURKEY

BS IN AEROSPACE ENGINEERING JULY 1985
ISTANBUL TECHNICAL UNIVERSITY ISTANBUL, TURKEY

PROFESSIONAL EXPERIENCE

ASSISTANT PROFESSOR JULY 2002-PRESENT
MIDDLE EAST TECHNICAL UNIVERSITY ANKARA, TURKEY

INSTRUCTOR SEPTEMBER 2001-JULY 2002
MIDDLE EAST TECHNICAL UNIVERSITY ANKARA, TURKEY

SENIOR ENGINEER FEBRUARY 1998-JULY 2001
APPLIED SCIENCES LABORATORY, INC. LOS ANGELES, CA

PART-TIME LECTURER JANUARY 1998-MAY 1998
DEPARTMENT OF CIVIL ENGINEERING,
UNIVERSITY OF SOUTHERN CALIFORNIA LOS ANGELES, CA

RESEARCH ASSOCIATE JUNE 1996-FEBRUARY 1998
DEPARTMENT OF CIVIL ENGINEERING,
UNIVERSITY OF SOUTHERN CALIFORNIA LOS ANGELES, CA

RESEARCH ASSISTANT JANUARY 1992-JUNE 1996
DEPARTMENT OF CIVIL ENGINEERING,
UNIVERSITY OF SOUTHERN CALIFORNIA LOS ANGELES, CA

SENIOR STUDENT OPERATOR JANUARY 1994-SEPTEMBER 1997

UNIVERSITY COMPUTING CENTER,
UNIVERSITY OF SOUTHERN CALIFORNIA

LOS ANGELES, CA

RESEARCH ASSISTANT
DEPARTMENT OF AEROSPACE ENGINEERING,
UNIVERSITY OF SOUTHERN CALIFORNIA

JANUARY 1991-AUGUST 1991

LOS ANGELES, CA

TEACHING AND RESEARCH ASSISTANT
DEPARTMENT OF MECHANICAL ENGINEERING,
ISTANBUL TECHNICAL UNIVERSITY

JANUARY 1988-JANUARY 1989

ISTANBUL, TURKEY

PEER REVIEWED JOURNAL PUBLICATIONS

- KANOGLU, U. 2004 Nonlinear evolution and runup-rundown of long waves over a sloping beach. *Journal of Fluid Mechanics*, **513**,363-372.
- CAMINADE, P., CHARLIE, D., KANOGLU, U., KOSHIMURA, S.-I., MATSUTOMI, H., MOORE, A., RUSCHER, C., SYNOLAKIS, C., TAKAHASHI, T. 2001 Vanuatu survey data aids study of earthquake and tsunami. *Earth in Space* **13**(8), 4-7.
- CAMINADE, P., CHARLIE, D., KANOGLU, U., KOSHIMURA, S.-I., MATSUTOMI, H., MOORE, A., RUSCHER, C., SYNOLAKIS, C., TAKAHASHI, T. 2000 Vanuatu earthquake and tsunami cause much damage, few casualties. *EOS, Transactions American Geophysical Union* **81**(52), 641, 646-647 (EOS cover article).
- YALCINER, A., SYNOLAKIS, C. E., ALTINOK, Y., Other Contributors: BORRERO, J., IMAMURA, F., ERSOY, S., KURAN, U., TINTI, S., YUKSEL, Y., ALPAR, B., WATTS, P., KANOGLU, U. 2000 Tsunami waves in Izmit Bay. *Earthquake Spectra* (published by Earthquake Engineering Research Institute-EIRR), Special volume on the 1999 Kocaeli Earthquake **16**, 55-62.
- KANOGLU, U., SYNOLAKIS, C. E. 1998 Long wave runup on piecewise linear topographies. *Journal of Fluid Mechanics*, **374**, 1-28.
- LIU, P. L.-F., CHO, Y.-S., BRIGGS, M. J., KANOGLU, U., SYNOLAKIS, C. E. 1995 Runup of solitary wave on circular island. *Journal of Fluid Mechanics*, **302**, 328-134.

CHAPTERS IN BOOKS AND PEER REVIEWED FULL LENGTH PAPERS IN CONFERENCE PROCEEDINGS

- KANOGLU, U. 2003 Nonlinear evolution and runup of solitary wave over a sloping beach. *Proceedings of Long Waves Symposium, Thessaloniki, Greece*, 273-279.
- TARMAN, H., KANOGLU, U. 2003 Numerical simulation of long wave runup on a sloping beach. *Proceedings of Long Waves Symposium, Thessaloniki, Greece*, 273-279.
- BORRERO, J., YALCINER, A., KANOGLU, U. , TITOV, V., MCCARTHY, D. AND SYNOLAKIS, C. E. 2003 Producing tsunami inundation maps in California. *Submarine Landslides and Tsunami*, Kluwer Academic Publishers, Netherlands, 315-326.
- YALCINER, A., SYNOLAKIS, C. E., ALPAR, B., BORRERO, J., ALTINOK, Y., IMAMURA, F., TINTI, S., ERSOY, S., KURAN, U., PAMUKCU, S., KANOGLU, U. 2001 Field surveys and modeling of the 1999 Izmit tsunami. *International tsunami Symposium 2001, Seattle, Washington*.
- YALCINER, A., SYNOLAKIS, C. E., BORRERO, J., ALTINOK, Y., WATTS, P., IMAMURA, F., KURAN, U., ERSOY, S., KANOGLU, U., TINTI, S. 1999 Tsunami generation in Izmit Bay by the Izmit

Earthquake. Proceedings of ITU-IAHS International Conference on the Kocaeli Earthquake 17 August 1999, 217-220.

- BRIGGS, M. J., SYNOLAKIS, C. E., KANOGLU, U., GREEN, D. 1996 Benchmark problem the Revere Beach. Long-wave runup models, World Scientific, Singapore, 375-383.
- KANOGLU, U., SYNOLAKIS, C. E. 1996 Analytic solutions of solitary wave runup on the conical island and on the Revere Beach. Long-wave runup models, World Scientific, Singapore, 214-220.
- KANOGLU, U., SYNOLAKIS, C. E. 1996 Long wave runup on piecewise linear topographies and coastal structures. Proceedings of the 25th International Conference on Coastal Engineering (ICCE), ASCE, Orlando, Florida, 1452-1464.
- KANOGLU, U., GENÇELİ, O. 1988 Natural convection in vertical ducts. Proceedings of 7th National Heat Transfer Conference (In Turkish).
- KANOGLU, U., DAGSOZ, A. K. 1986 Heat transfer in the pinned channel. Proceedings of 5th National Heat Transfer Conference (In Turkish).

CONFERENCE PROCEEDINGS – SHORT ABSTRACTS

- TITOV, V., ARCAS, D., KANOGLU, U., NEWMAN, J., GONZALEZ, F., AND SYNOLAKIS, C. E. 2004 Inundation modeling for probabilistic tsunami hazard assessment. Bulletin of the American Geophysical Union. AMERICAN GEOPHYSICAL UNION (AGU) 2004 FALL MEETING, SAN FRANCISCO, CALIFORNIA.
- YALCINER, A., KANOGLU, U., TITOV, V., GONZALEZ, F., AND SYNOLAKIS, C. E. 2004 Quantifying tsunami impact on structure. Bulletin of the American Geophysical Union. AMERICAN GEOPHYSICAL UNION (AGU) 2004 FALL MEETING, SAN FRANCISCO, CALIFORNIA.
- KANOGLU, U. 2004 Nonlinear evolution of long waves over a sloping beach. THE THIRD INTERNATIONAL WORKSHOP ON LONG-WAVE RUNUP MODELS (17-19 JUNE 2004), CATALINA ISLAND, CALIFORNIA.
- SYNOLAKIS, C. E., BORRERO, J., KANOGLU, U., DOLAN, J. 2001 The first generation of the inundation maps for the State of California. INTERNATIONAL TSUNAMI SYMPOSIUM 2001, SEATTLE, WASHINGTON.
- KANOGLU, U., SYNOLAKIS, C. E. 2000 Propagation and runup of landslide generated waves over continental shelf and slope bathymetry. Bulletin of the American Geophysical Union, 81(48). AMERICAN GEOPHYSICAL UNION (AGU) 2000 FALL MEETING, SAN FRANCISCO, CALIFORNIA.
- RUSCHER, C., KANOGLU, U., KOSHIMURA, S., MOORE, A., MATSUTOMI, H., TAKAHASHI, T., SYNOLAKIS, C. E. The November 26, 1999 Vanuatu Tsunami. Bulletin of the American Geophysical Union, 81(48). AMERICAN GEOPHYSICAL UNION (AGU) 2000 FALL MEETING, SAN FRANCISCO, CALIFORNIA.
- BORRERO, J., KANOGLU, U., SYNOLAKIS, C. E. 1999 Tsunami generation mechanisms along the California coast and the inundation mapping effort. Bulletin of the American Geophysical Union, 80. AMERICAN GEOPHYSICAL UNION (AGU) 1999 FALL MEETING, SAN FRANCISCO, CALIFORNIA.
- YALCINER, A., BORRERO, J., KANOGLU, U., WATTS, P., SYNOLAKIS, C. E., IMAMURA, F. 1999 Field survey of 1999 Izmit tsunami and modeling effort of new tsunami generation mechanism. Bulletin of the American Geophysical Union, 80. AMERICAN GEOPHYSICAL UNION (AGU) 1999 FALL MEETING, SAN FRANCISCO, CALIFORNIA.

- KANOGLU, U., HOFFMAN, I., SYNOLAKIS, C. E. 1998 The effects of tsunami source parameters on maximum runup. OKUSHIRI TSUNAMI/UJNR WORKSHOP 1998, SAPPARO, JAPAN.
- KANOGLU, U., HOFFMAN, I., TITOV, V., SYNOLAKIS, C. E. 1998 The effects of source parameters on coastal inundation. INTERNATIONAL CONFERENCE ON COASTAL ENGINEERING (ICCE) 1998, COPENHAGEN, DENMARK.
- KANOGLU, U., SYNOLAKIS, C. E. 1995 Wave runup around a conical island. Bulletin of the American Physical Society, 40(12), 1982. AMERICAN PHYSICAL SOCIETY-DIVISION OF FLUID DYNAMICS (APS-DFD) 1995 MEETING, IRVINE, CALIFORNIA.
- KANOGLU, U., SYNOLAKIS, C. E. 1995 Wave runup on piecewise linear topographies. Bulletin of the American Geophysical Union, 76(46), F288. AMERICAN GEOPHYSICAL UNION (AGU) 1995 FALL MEETING, SAN FRANCISCO, CALIFORNIA.
- KANOGLU, U., SYNOLAKIS, C. E. 1994 Analytical solution and laboratory results of long wave runup on 2-D and 3-D topographies. Bulletin of the American Geophysical Union, 75(44), 358. AMERICAN GEOPHYSICAL UNION (AGU) 1994 FALL MEETING, SAN FRANCISCO, CALIFORNIA.
- BRIGGS, M., SYNOLAKIS, C., HARKINS, G. S., KANOGLU, U., COLLIDGE, A. 1994 Measurements of tsunami run-up on a circular island. Seismological Research Letter, 65(1), 26. SEISMOLOGICAL SOCIETY OF AMERICA 1994 MEETING, PASADENA, CALIFORNIA.
- KANOGLU, U., SYNOLAKIS, C. E. 1992 Effects of nearshore ocean topography on shoreline wave amplification. AMERICAN PHYSICAL SOCIETY-DIVISION OF FLUID DYNAMICS (APS-DFD) 1992 MEETING.

AWARDS

POSTDOCTORAL FELLOWSHIP AWARD (NSF AND JSPS) Approximately \$65,000. (This fellowship has not been used because of family commitments.)	1997
LEADERSHIP AWARD UNIVERSITY OF SOUTHERN CALIFORNIA	1996
ACADEMIC ACHIEVEMENT AWARD UNIVERSITY OF SOUTHERN CALIFORNIA	1996
TUBITAK – NATO SCIENCE SCHOLARSHIP Approximately \$60,000.	1990-1993
ACADEMIC ACHIEVEMENT AWARD ISTANBUL TECHNICAL UNIVERSITY	1988
MATHEMATICS FELLOWSHIP TUBITAK (SCIENTIFIC AND TECHNICAL RESEARCH COUNCIL OF TURKEY)	1985-1988

INVITED TALKS

- OFFICE OF EMERGENCY SERVICES, SAN DIEGO, CALIFORNIA, MAY 01, 2000 Inundation mapping effort for California coast.

- KYOTO UNIVERSITY, DISASTER PREVENTATION RESEARCH INSTITUTE, JULY 17, 1998 Current analytical modeling effort for long wave propagation.
- US ARMY CORPS OF ENGINEERS, COASTAL ENGINEERING RESEARCH CENTER, VICKSBURG, MISSISSIPPI, NOVEMBER 19, 1993 Analytical solution of wave runup on composite beaches.

OTHERS

FIELD SURVEY PENTECOST, EFATE, AMBRYM AND MALEKULA ISLANDS	DECEMBER 12, 1999-DECEMBER 19, 1999 VANUATU
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FIELD SURVEY BIAK ISLAND, IRIAN JAYA	MARCH 03, 1996-MARCH 13, 1996 INDONESIA
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US ARMY CORPS OF ENGINEERS WATERWAYS EXPERIMENT STATION, COASTAL ENGINEERING RESEARCH CENTER	NOVEMBER 1994 AND FEBRUARY 1995 VICKSBURG, MISSISSIPPI
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