



IOANNIS SIBETHEROS
Associate Professor
DEPARTMENT OF CIVIL ENGINEERING &
SURVEYING and GEOINFORMATICS ENGINEERING
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RESEARCH INTERESTS

Experimental and Computational Hydraulics and Fluid Mechanics, Fluid-Structure Interactions, Nonlinear Time- Series Analysis and Modeling, Water Resources Engineering.

EDUCATION

Philosophy Doctorate, The University of Texas at Austin, 1994 (GPA: 4.0/4.0).

Doctoral Dissertation Title: "*An experimental study of the nearfield flow around a cylinder in a reversing flow.*"

Master of Science in Civil Engineering, University of Texas at Austin, 1987 (GPA:3.7/4.0).

Master Report Title: "*Spline interpolations for water hammer analysis.*"

(Funded by a awarded by the Fulbright Program, United States information Agency)

Diploma in Civil Engineering (five-year curriculum), Water Resources, Hydraulic and Maritime Engineering Program, National Technical University of Athens, Greece, 1984 (GPA: 8.10/10.0, ranking second in a graduating class of 320 students).

Diploma Thesis Title: "Optimal Tunnel Shape for Underground Hydroelectric Power Generation Station."

Graduate Courses

College of Engineering, The University of Texas at Austin.

Civil Engineering Dept.

Waves and Wave Forces on Structures, Dynamics of Turbulence, Hydraulic Engineering Analysis, Hydrologic Transport Processes, Free Surface Flow, Engineering Hydrology: Surface Water, Statistics in Water Resources, Groundwater Hydrology, Water resources Planning and Management, Modeling of Hydraulic systems, Seepage and earth dams, Foundation Engineering.

Mechanical Engineering Dept.

Incompressible Flow I: Fundamentals of Incompressible Flow, Incompressible Flow II: Applications of Incompressible Flow, Digital Signal Processing.

Aerospace Engineering and Engineering Mechanics Dept.

Introduction to Computational Fluid Dynamics, Advanced Computational Aerodynamics, Finite Elements in Fluid Mechanics, Special Topics in Fluid Mechanics (3 courses with different topics).

Electrical and Computer Engineering Dept.

Probability and Random Processes, Digital Time Series Analysis and Applications.

Petroleum Engineering Dept.

Engineering Analysis, Numerical Methods in Petroleum Engineering, Numerical Solutions of Time-Dependent Problems, Topics in Computational Methods.

ACADEMIC- ADMINISTRATIVE-PROFESSIONAL EXPERIENCE

9/1/2013-11/18/2013 **Chair**, Department of Civil Engineering, and Surveying & Geinformatics Engineering, TEI-Athens.

9/1/2013- **Associate Professor**, Department of Civil Engineering, and Surveying & Geinformatics Engineering, TEI-Athens.

Teaches the undergraduate courses: **Hydrology and Flood Mitigation (Theory+Lab)**
Water Resources Management
Applied Hydraulics (Theory+Lab)
Hydraulic Systems (Theory+Lab)
Wave Mechanics and Harbor Works
Coastal Engineering

Will teach the **graduate** course: **Water Resources Management**,
in the 2014-15 Spring Semester, at TEI –Pireaus, Civil Engineering Dept., Master of Science Program “Applied Policies and Technology for the Protection of the Environment”

9/1/2012-8/31/2013 **Chair**, Department of Civil Infrastructure Engineering, TEI-Athens.

7/1/2012-6/25/2013 **Technical Advisor (unpaid)** to the Deputy Minister of Development, Competitiveness, Infrastructure, Transport and Networks.

Projects participated in, as technical advisor:

- Preliminary analysis of co-financing possibilities (i.e. through national and E.U. funds) for planned Water Infrastructure Projects in Greece.
- Water Management Structures of Upper Acheloos River.
 - Reconsideration for possible rescaling of the water works for the diversion of 250 million m³ of Acheloos water to the Thessaly plain, instead of the originally allocated water quantity of 600 million m³.
 - Planning of actions to address environmental and legal issues raised by the European Court of Justice, with regard to the Acheloos Water Diversion Scheme.
 - Planning of all the necessary actions for the speedy commissioning of the Mesochora hydroelectric dam as a stand alone hydro scheme, in case the Acheloos Diversion Scheme was halted by Greece’s Supreme Court.
- Prioritization of Water Infrastructure Works (water storage and conveyance, irrigation networks, etc.) described in the recently published water management plans for the Water District of Thessaly, which could draw E.U. funding.

9/1/2010-31/8/2012 **Associate Chair and Coordinator** of Traffic Infrastructure and Hydraulic Engineering Division, Department of Civil Infrastructure Engineering, TEI-Athens.

11/20/2009-8/31/2013 **Associate Professor**, Department of Civil Infrastructure Engineering, TEI-Athens.

Taught the undergraduate courses: **Hydrology and Flood Mitigation (Theory+Lab)**
Water Resources Management
River Engineering and Dams
Wave Mechanics and Harbor Works

Participation in the Research Project: "Hydroelastic response of large floating structures and bodies of general shape lying over variable bathymetry regions." Participants: TEI Athens, National Technical University of Athens (NTUA), Texas A&M University. Project funding (83,000 Euros total) provided by the Research Programme "ARCHIMEDES III," co-financed by the European Union (European Social Fund) and Greek national funds. (03/01/2012-11/30/2014).

Participation in the Research Project: "CYBERSENSORS: High Frequency Monitoring System for Integrated Water Resources Management of Rivers." Participants: Technical University of Crete, Democritus University of Thrace, Rochester Institute of Technology . Project funding (567,357 Euros total) provided by the Research Programme "THALIS," co-financed by the European Union (European Social Fund) and Greek national funds. (07/01/2012-09/30/2015).

Member of the 3-person PhD dissertation supervising committee for Anthi-Irene Vozinaki, MSc. Dissertation title: "An integrated system to evaluate the risk and the impacts of flood phenomena," Dept. of Environmental Engineering, Technical University of Crete. Dissertation research funded by the Greek Ministry of Education under the Programme "HERAKLEITOS II", 2010-2013 (45,000 €).

Member of the 3-person PhD dissertation supervising committee for Dionissis Efstathiou, MSc. Dissertation title: "Intelligent networks of environmental sensors," Dept. of Environmental Engineering, Technical University of Crete. Dissertation research funded by the Greek Ministry of Education under the Programme "HERAKLEITOS II", 2010-2013 (45,000 €).

- 3/15/06-11/19/09 **Special Secretary for Water Resources and Head**, Central Water Agency (CWA), Hellenic Ministry for the Environment, Physical Planning and Public Works.

First Special Secretary for Water Resources in Greece and first Head of the CWA, which oversees and coordinates the operations of Greece's 14 Regional Water Departments. Responsible for the sustainable development, protection, and rehabilitation of Greece's Water Bodies (lakes, rivers, groundwater, coastal waters), and the implementation of the Water Framework Directive (WFD 2000/60), the Flood Protection Directive, the Marine Strategy Directive, and other relevant EU Environmental Directives. Responsible for the strategic planning of water development works for each one of the country's main river basins, and the implementation of water pricing schemes for water services, according to the "polluter pays" principle.

Member of the European Union's Water and Marine Directors' Forum and the Euro-Mediterranean and Southeastern European Countries Water Directors' Forum. Coordinator of the EU Water Initiative - Mediterranean Component.

Chair of the National Water Advisory Committee, which was tasked to propose measures to mitigate the 2007-08 water scarcity in Greece. Author of the water scarcity mitigation comprehensive proposal presented to the Greek Cabinet by the Minister for the Environment, Physical Planning and Public Works on 3/13/2007.

Coordinator of the revision and update of the National Plan for the Protection and Management of Water Resources, a joint effort of the Division of Water Resources at the National Technical University of Athens and CWA. The Plan was presented to the Media by the Minister for the Environment, Physical Planning and Public Works and the Special Secretary for Water Resources on 3/4/2008.

Member of the international Advisory Committee of water policy makers and river basin managers, for the European Research Project "Economic Assessment of Environment and Resource Costs in the Water Framework Directive (AquaMoney)", under the 6th Framework Programme, which brought together 16 leading European research institutions to develop and test practical guidelines on the assessment of environmental and resource costs and benefits in the European Water Framework Directive (WFD) (2006-2010).

Deputy Chair, Greek-Albanian Committee for shared water resources management.

Member of the Greek-Bulgarian Hydroeconomy Committee for the water management and sharing in the River Mesta/Nestos transboundary basin.

Head of the Greek Mission, 4th World Water Forum, 16-22 March 2006, Mexico City, Mexico, 5th World Water Forum, 16-22 March 2009, Istanbul, Turkey.

Head of the Greek Mission, the Euro-Mediterranean Ministerial Conference on Water, December 2008, Dead Sea, Jordan.

- 10/22/04 – 3/14/06 **visiting associate professor and tenured associate professor (since 10/12/05)** Civil Infrastructure Engineering Dept., Technological and Educational Institute of Athens.

Taught the undergraduate courses: **Hydrology and Flood Mitigation (Theory+Lab)**
Water Management Engineering
Hydraulics I
Harbor Works

- 6/1/02- 8/31/04 **TEES associate research scientist** Civil Engineering Dept., Texas A&M University, College Station.

Conducted research involving the analysis of laboratory and field data on the dynamic response of offshore structures exposed to random waves. Participated in the research project: "Riser Interaction Model: A combined Time/Frequency Domain Mode." Contracting Agency: Minerals Management Service, U.S. Dept. of the Interior. Project 360, 2002-2004.

- 1/1/99-12/31/01 **invited research scientist**, Civil Engineering Dept., National Technical University of Athens, Greece.

Principal investigator, research project title: "*Nonlinear irregular wave modeling in coastal waters for environmental hydrodynamics applications (e.g. oil slick behavior modeling)*," funded by the European Union Secretariat for Research and Development & the Greek General Secretariat for Research and Technology. Collaborated with the Laboratory of Applied Hydraulics, and the Laboratory of Harbour Works, National Technical University of Athens.

- 9/1/98-12/31/98 **visiting assistant professor**, Civil Engineering Dept., Texas A&M University, College Station.

Taught the undergraduate course "*Water Resources Engineering.*"

- 9/1/94-8/31/98 **research fellow**, and **research scientist** (effective 9/1/96), Offshore Technology Research Center (OTRC), Texas A&M University & The University of Texas at Austin.

Member of the Fluid/Structure Interaction Research Team. Conducted research in nonlinear wave/structure interactions (flow-induced vibrations, hydrodynamic loading, offshore structures response prediction), wave/wave interactions, and nonlinear system modeling using Volterra models and artificial neural networks. Participated in water particle velocity measurements and response measurements of offshore platforms models under directional nonlinear wave+wind+current loading, at OTRC's model basin.

Taught sections of the graduate course "*Principles of Hydrodynamics*" at the Civil Engineering Dept, and a section of the graduate course "*Digital Time Series Analysis and Applications*" at the Electrical and Computer Engineering Dept. of the University of Texas at Austin. Supervised undergraduate

students and co-supervised a doctoral dissertation and a master's thesis.

- 1/1/91-31/8/94 **research asst. and research engineer/scientist asst.**, Transition To Turbulence Fluid Dynamics Lab (Aerospace and Engineering Mechanics Dept.), and Offshore Technology Research Center, University of Texas at Austin.

Taught sections of the undergraduate course "*Introduction to Ocean Engineering*" and the graduate course "*Ocean Wave Hydrodynamics*" at the Civil Engineering Department. Conducted research on flow/structure interactions. Designed a computer controlled water tank that generates a planar harmonic or random oscillating flow past a cylinder. Set up a state-of-the-art three-component three color Laser -Doppler-Velocimetry (LDV) system and took extensive flow measurements. Wrote software applications of advanced signal processing techniques to analyze experimental data.

- 1/6/87-31/12/90 **research asst.**, Center for Research in Water Resources, and Department of Aerospace Engineering and Engineering Mechanics, U.T. Austin.

Conducted research in electrorheological (ER) fluids. Established university/industry collaboration with British researchers(Dr. D.A. Brooks of Airlog Ltd. Aldershot Hampshire, and Professor Harry Block of Cranfield Institute of Technology. Established collaboration with Lord Corporation of Cary, North Carolina in ER fluids research. Built a prototype ER fluid channel. Improved technique to measure ER fluid flow velocities based on Nuclear Magnetic Resonance Imaging (NMR) velocimetry in collaboration with researchers at the Lovelace Medical Foundation of Albuquerque, New Mexico.

- 16/1/85-31/5/87 **teaching asst.**, Civil Engineering Dept., University of Texas at Austin.

Taught the undergraduate course "*Introduction to Hydraulics Laboratory*" and sections of the undergraduate course "*Introduction to Hydraulic Engineering analysis.*" Transferred to the University of Texas Cray supercomputer and modified a pipe-network analysis code used by Bechtel Corporation and instructed students on how to use the code. Taught parts of a Surface Water Hydrology short course (numerical modeling of open-surface flows, HEC-2 water surface profiles code) for practicing engineers, organized by the Office of Continuing Engineering Studies, College Of Engineering.

Internships

- 7/1- 8/31 1983 **research assistant** at the Civil Engineering Department of the Technical University of Warsaw, Poland. Organized by I.A.E.S.T.E. (International Association for the Exchange of Students For Technical Experience).

Participated in the drafting of a construction management report for the completion of construction and remodeling of an unfinished high-rise building at the center of Warsaw.

- 6/28 -8/31 1982 **engineering assistant** at the Port Authority of Helsinki (Helsingin kaupungin satamalaitoksen), Finland. Organized by I.A.E.S.T.E.

Took field measurements of coastal current velocities and pollutant concentration and dispersion rates at different locations in the coastal area around Helsinki.

- 6/20 - 8/31 1980 **engineering assistant** at the consulting office of George Martinis in Argostoli, Greece.

Assisted in the design of a new port and marina for Vathi, Ithaca, commissioned by the National Tourist Organization of Greece (E.O.T.)

PROFESSIONAL DEVELOPMENT

- March 6&7, 27&28,
April 17&18, and
May 8&9 1995 "*Analysis of Ocean Wave Data.*"
A sequence of short courses taught by Professor Leon Borgman of the University of Wyoming at the Offshore Technology Research Center headquarters at Texas A&M University, College Station.
- October 14-25, 1991 "*Design of Floating Production Systems - A Comprehensive Review.*"
A ten day short course, administered by the Office of Continuing Engineering Studies, College of Engineering, The University of Texas at Austin.
- April 8-19, 1991 "*Design of Fixed Offshore Platforms- A Comprehensive Review.*"
A ten-day short course , administered by the Office of Continuing Engineering Studies, College of Engineering, The University of Texas at Austin.
- August 6-10, 1990 "*Data Acquisition Processing & Analysis in Flow Measurements,*" & "*Laser Velocimetry Theory, Application & Techniques.* "
Short courses *organized by* TSI Incorporated of Minneapolis, Minnesota, taught by Professor Ronald Adrian of the University of Illinois at Urbana-Champaign.

PROFESSIONAL RECOGNITION

- **Deputy President**, IWA Regional Symposium on Water, Wastewater & Environment: Traditions and Culture, 22-24 March 2014, Patras, Greece. **Session Coordinator**, Session 6 – "*Historical development of urban water supplies (e.g. cisterns, aqueducts, fountains, etc).*"
- **Member of the Program Committee (PC)**, 6th International Conference on Information and Communication Technologies in Agriculture, Food and Environment (HAICTA 2013) September 19-22 2013, Corfu, Greece.
- **Member**, Advisory Committee, "AquaMoney" project, Development and Testing of Practical Guidelines for the Assessment of Environmental and Resource Costs and Benefits in the Water Framework Directive, Contract no SSPI-022723. 2007-08, funded by DG RTD under the 6th EU Framework Programme.
- **Reviewer**, 6th Estuarine and Coastal Modeling (ECM6) Conference (1999).
- **Co-chair** of the session "Vortex & vibration I" at the 7th International Offshore and Polar Engineering Conference (ISOPE), Honolulu, Hawaii, U.S.A., May 25-30, 1997.
- **Co-chair** of the session "Vortex & Flow-induced vibrations I" at the 6th International Offshore and Polar Engineering Conference (ISOPE), Los Angeles , U.S.A., May 26-31, 1996.
- **Organizer** of the session "Vortex & Flow-induced vibrations II" at the 5th International Offshore and Polar Engineering Conference (ISOPE), The Hague, The Netherlands, June 11-16, 1995.

- **Technical Committee Member, and Reviewer**, 5th, 6th, 7th, and 8th International Offshore and Polar Engineering Conferences (ISOPE).
- **Reviewer**, Journal of Engineering Mechanics, ASCE, 1995-,

NOTABLE HONORS AND AWARDS

- **Career Award** (1999) European Union Secretariat for Research and Development & Greek General Secretariat for Research and Technology. To investigate the impact of nonlinear irregular waves in shallow waters on the surface oil slick behavior. Research proposal ranked first in the *Environment and Quality of Life* category (grade: 97%). 60,000 €.
- **Post-doctoral research fellowship** (1994-96): Offshore Technology Research Center, U.T. Austin & National Science Foundation (NSF). To conduct research in wave/structure interactions and flow-induced vibrations analysis. 54,000 \$/annually.
- **Certificate of Appreciation** (1992): The Panhellenic Students' Association, The University of Texas at Austin.
For good service and dedication to the development of the Association.
- **Fulbright scholarship** (1984-1988): The United States Educational Foundation in Greece, The United States Information Agency (USIA) -Fulbright Program. To pursue graduate studies in Hydraulic Engineering and Water Resources Planning and Management at the University of Texas at Austin.
- **I.K.Y. scholarship** (1979-1984): Foundation of state scholarships (I.K.Y), Athens, Greece. For ranking in the top 3% of the class (320 students) throughout the five-year undergraduate studies at the National Technical University of Athens, Greece.
- **Diomedes Komnenos award** (1978): National Technical University of Athens, Greece. For placing second (among approximately 5,000 candidates) in the national university entrance exams.

PUBLICATIONS

Refereed Journal Articles

Vozinaki A.-E. K., Sibetheros I.A., Karatzas G.P. and Varouchakis E.A.(2013),
An agricultural flood loss estimation model using synthetic logistic damage surfaces,
submitted for review and possible publication, *Advances in Water Resources* (journal), Elsevier.

Chronis A., Liapi K.A. and Sibetheros I.A. (2012),
A parametric Approach to the Bioclimatic Design of Large Scale Projects: The Case of a Student Housing Complex, *Automation in Construction*, An International Research Journal, Elsevier Publishers (March 2012), 22, pg. 24-35.

➤ **Citations: 2 (Google Scholar), 1 (SCOPUS)**

Sibetheros, I.A. and Niedzwecki J.M. (2005),
Analysis of Single and Tandem Cylinder Data Using an Orthogonal Volterra Model Approach,
Journal of Ocean Engineering, vol. 32, pp.135-156, October 2005.

➤ **Citations: 3 (Google Scholar), 1 (SCOPUS)**

Sibetheros, I.A., Rijken O., and Niedzwecki J.M. (2000),

Volterra Series-Based System Analysis of a Random Wave interaction with a Horizontal Cylinder,
Journal of Ocean Engineering, vol. 27, issue 3, pp.241-269, October 1999.

➤ Citations: 9 (Google Scholar), 5 (SCOPUS)

Nakajima, K., Kallinderis, Y., Sibetheros, I., Miksad, R., and Lambrakos, K. (1994),
A Numerical Study of the Hydrodynamics of Reversing Flows Around a Cylinder,
Journal of Offshore Mechanics and Arctic Engineering, vol. 116, number 4, pp. 202-208, November 1994.

➤ Citations: 4 (Google Scholar), 2 (SCOPUS)

Sibetheros, I.A., Holley, E.R., Branski, J.M. (1991),
Spline Interpolations for Water Hammer Analysis,
Journal of Hydraulic Engineering, ASCE, Vol. 117, No. 10, pp.1332-1351, October, 1991.

➤ Citations: 39 (Google Scholar), 23 (SCOPUS)

Branski, J.M., Sibetheros, I.A., Holley, E.R. (1989),
Advection Error Analysis with Interpolation Schemes,
Hydrosoft, 2(4), pp.186-191, 1989.

Refereed Conference Articles

Neratzaki S., Efstathiou D., Nikolaidis N.P., Sibetheros I.A., and Zacharias I. (2013),
SedTrap: Preliminary assessment of an integrated sediment transport sampling device,
Accepted for presentation, 12th International Conference on Protection and Restoration of the Environment, June 29 - July 3, 2014, Skiathos island, Greece.

Sibetheros I.A., Neratzaki S., Efstathiou D., Giannakis G., and Nikolaidis N.P. (2013),
Sediment transport in the Koiliaris river of Crete,
Proceedings, 6th International Conference on Information and Communication Technologies in Agriculture, Food and Environment (HAICTA 2013), September 19-22, 2013, Corfu Island, Greece, Elsevier ScienceDirect, Procedia Technology 8 (2013) 315-323.

Vozinaki, A.-E. K., Kourgialas, N.N., Karatzas, G.P., and Sibetheros, I.A. (2013),
Flood Simulation and Estimation of Agricultural Flood Loss in ArcGIS Environment Using Python,
Proceedings of the 8th International Conference of EWRA "Water Resources Management in an Interdisciplinary and Changing Context," pp 361-370, Porto, Portugal, June 26-29 2013.

Sibetheros I.A. (2006),
The Implementation of the Water Framework Directive: Opportunities and Challenges for Greece,
Proceedings of International Conference "Implementing the Water Framework Directive: Towards Integrated Water Management in Europe," Athens, Greece, May 12, 2006.

Sibetheros, I.A., Niedzwecki J.M., and Teigen P. (2005),
Analysis of Wave Run-up Measurements on a Mini-TLP,
Proceedings of the 24th International Conference on Offshore Mechanics and Arctic Engineering (OMAE), Halkidiki, Greece, June 12-16, 2005.

Sibetheros, I.A. and Niedzwecki J.M. (2003),
System Analysis of the Interactive Behavior of a Pair of Flexible Cylinders under Unidirectional Wave Loading,
Proceedings of the 13th International Offshore and Polar Engineering Conference (ISOPE), Honolulu, Hawaii, May 25-30, 2003, PP. 464-471.

➤ Citations: 2 (Google Scholar)

Sibetheros, I.A., and Rijken O. (1997),
Response Analysis of Horizontal Cylinder in Random Waves,
International Conference on Nonlinear Design Aspects of Physical Model Tests, Texas A&M University, College Station, May 2&3 1997.

Sibetheros, I.A., Medeiros E.F., and Miksad, R.W. (1995),
Near Wake Models for the Hydrodynamic Forces on a Cylinder in Periodic Flow,
Proceedings of the 14th International Conference on Offshore Mechanics and Arctic Engineering (OMAE), Copenhagen, Denmark, June 18-22, 1995, vol. I-A, pp. 491-501.

Sibetheros, I.A., Miksad, R.W., and Lambrakos K.F. (1995),
Experimental /Numerical Mapping and Analysis of the Nearfield Flow around a Cylinder in Planar Oscillatory Farfield Flow,
Proceedings of the 5th International Offshore and Polar Engineering Conference (ISOPE), The Hague, The Netherlands, June 11-16, 1995, vol. iii, pp.587-596.

Nakajima K., Sibetheros, I., Miksad, R., Kallinderis Y., and Lambrakos, K. (1994),
A Numerical/Experimental Study of the Hydrodynamics of Reversing Flows Around a Cylinder,
Proceedings of the 13th International Conference on Offshore Mechanics and Arctic Engineering (OMAE), Houston, Texas, February 27-March 3, 1994, pp. 355-361.

Miksad, R.W., Sibetheros, I.A., Nakajima K., Kallinderis Y. (1994),
An Experimental /Numerical Study of the Hydrodynamics of the Near Flow of a Cylinder in Planar Oscillatory Farfield Flow,
Proceedings of the Special Offshore Symposium (SOSC-94 PACOMS-94), Beijing, China, April 16-18, 1994, pp. 667-677.

Sibetheros, I.A., Miksad, R.W., Ventre, A.-V., and Lambrakos K.F. (1994),
Flow Mapping of the Reversing Vortex Wake of a Cylinder in Planar Harmonic Flow,
Proceedings of the 4th International Offshore and Polar Engineering Conference (ISOPE), Osaka, Japan, April 10-15, 1994, vol. III, pp. 406-412.

➤ **Citations: 6 (Google Scholar), 7 (SCOPUS)**

Sibetheros, I.A. and Miksad, R.W. (1993),
Prediction of the Phase Averaged Near Wake Flow of a Cylinder by Far Flow/Near Flow Velocity Correlations,
Proceedings of the 2nd Australian International Oil, Gas, and Petrochemical Exhibition and Conference, Melbourne, Australia, 23-26 November 1993, vol. 2, Sec1-5.

Sibetheros, I.A., Miksad, R.W., and Lambrakos K.F. (1993),
An Experimental Investigation of the Near Flow Around a Cylinder in a Reversing Planar Flow,
Proceedings of the 3d International Offshore and Polar Engineering Conference (ISOPE), Singapore, 6-11 June 1993, vol. III, pp. 376-383.

➤ **Citations: 2 (Google Scholar)**

Ugaz, V.M., Sibetheros, I.A., Miksad, R.W. (1992),
Computer Modeling of Electrorheological Fluid Flow through a Fixed Wall Valve,
Spring Meeting of the Texas Section of the American Physical Society, Southwest Texas State University, San Marcos, Texas, March 6&7, 1992.

Sibetheros, I.A., Holley, E.R., Branski, J.M. (1987),
Spline Interpolations for Water Hammer Analysis,
Proceedings of the National Conference on Hydraulic Engineering, ASCE, Williamsburg, Va., 421-426.

Conference Abstracts

Vozinaki, A.-E. K., Karatzas, G.P., Sibetheros, I.A., and Varouchakis E.A. (2013),
Development of synthetic velocity – depth damage curves using a Weighted Monte Carlo Method and Logistic Regression Analysis,
Accepted for Presentation, European Geophysical Union (EGU) General Assembly, 27 April-02 May 2014, Vienna, Austria.

Sibetheros, I.A., Ventre, A.-V., and Miksad, R.W. (1994),
Mode-switching in a reversing flow past a circular cylinder,
List of abstracts of the Fall 1994 Meeting of the Texas Section of the American Physical Society, The University of Texas, Austin, Texas, October 13-15, 1994.

Sibetheros, I.A., Ventre, A.-V., and Miksad, R.W. (1994),
" Mode-switching in a reversing flow past a circular cylinder," List of abstracts of the Fall 1994 Meeting of the Texas Section of the American Physical Society, The University of Texas, Austin, Texas, October 13-15, 1994.

Other Publications

Ware M, Advisor Sibetheros, I.A. (1996),
"Utilization of an Artificial Neural Network (ANN) t Model and Predict the Inline and Lift Forces on a Cylinder in Reversing Flow,"
Research Experience for Undergraduates (REU) Program-Excellence Through Research (EXCELL) Program. Sponsored by the Offshore Technology Research Center and the National Science Foundation (NSF), USA.

Sibetheros, I.A. (1994),
"An experimental study of the nearfield flow around a cylinder in a reversing flow,"
Doctoral Dissertation, Civil Engineering Department, The University of Texas at Austin.

Sibetheros, I.A. (1987),
"Spline Interpolations for Water Hammer Analysis,"
Master of Science Report, Civil Engineering Department, The University of Texas at Austin.

SOCIETIES AND ORGANIZATIONS

Professional Societies

- 1995- International Society of Offshore and Polar Engineers (ISOPE),
member.
- 1984- registered professional engineer in Greece.
- 1984- Technical Chamber of Greece & Society of Civil Engineers of Greece,
member.