

CURRICULUM VITAE

1. PERSONAL DETAILS

Name	Vassilis Gikas
Date of Birth	16 April 1969
Nationality	Hellenic
Address	School of Rural and Surveying Engineering National Technical University of Athens Zographou, 15780 Athens, Greece
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2. CARRIER DETAILS

1992	Diploma Rural and Surveying Engineering, National Technical University of Athens, Greece
Oct 1995 - May 1996	Graduate Computer Center Assistant, Department of Geomatics, University of Newcastle upon Tyne, UK
Oct 1996 – Apr 1997	Graduate Research Assistant, Department of Geomatics, University of Newcastle upon Tyne, UK
Dec 1997	PhD Geodesy, University of Newcastle upon Tyne, UK
Apr 1997 – Apr 2000	Senior Navigation Scientist, Western Geophysical Company, London, UK
May 1998 – Oct 1998	Visiting Research Associate, Western Geophysical Company, Houston, USA
Apr 2000 – Oct 2001	National Service, Corps of Engineers, Greece
Dec 2001 – Jan 2004	Surveying Engineering & Positioning Specialist, NAMA SA Consulting Engineers and Planners, Athens, Greece
Dec 2002 – Aug 2003	Chief Surveying Engineer, Athens Water Supply and Sewerage Company, Athens, Greece
Sep 2003 – Jan 2004	Head of Surveying Engineering Dept., Athens Water Supply and Sewerage Company, Athens, Greece
Jan 2004 – Jun 2009	Lecturer, School of Rural and Surveying Engineering, National Technical University of Athens, Greece
Jun 2009 –	Assistant Professor, School of Rural and Surveying Engineering, National Technical University of Athens, Greece

3. EDUCATION

1992	Diploma Rural and Surveying Engineering, National Technical University of Athens Dipl. Thesis Title: <i>Geodetic Assessment of Ship Controllability</i> Order of success: 2 nd out of 82 graduates
1997	PhD Geodesy, University of Newcastle upon Tyne, UK Dissertation Title: <i>Least Squares Filtering and Testing for Positioning and Quality Control During Marine 3D Seismic Surveys</i>

4. SPECIAL HONOURS, PRIZES, ETC

1982 – 1986	Prize for outstanding school achievement for the years 1982-83, 1983-84, 1984-85 and 1985-86 <i>GREEK MINISTRY OF NATIONAL EDUCATION AFFAIRS</i>
1987 – 1991	Award for outstanding academic achievement for the years 1987-88, 1988-89 and 1990-91 <i>GREEK STATE SCHOLARSHIP'S FOUNDATION</i>
1990 – 1991	Award for outstanding academic achievement for the 1990-91 <i>TECHNICAL CHAMBER OF GREECE</i>
Oct 1992	Evgenides Foundation Annual Fellowship (760/20.10.1992) <i>EVGENIDES FOUNDATION</i>
Oct 1993	Alexander Onassis Foundation Fellowship (P-011/1993-94) <i>ALEXANDER ONASSIS PUBLIC BENEFIT FOUNDATION</i>
Dec 1993	Lambadarios Foundation Scholarship (1139155/3882/B0011/16.12.93) <i>ACADEMY OF ATHENS</i>
Jan 1994	European Union Research Training Bursary, Marine Science and Technology Programme, MAST II (MAS2-CT-93-5008) Title : <i>Development and testing of models for the incorporation of acoustic data into 3D positioning for offshore seismic geophysical studies</i> <i>EUROPEAN UNION</i>
Dec 1996	Prize for best Hydrographic Journal paper in 1995 (with P.Cross and A.Akuamo) <i>THE HYDROGRAPHIC SOCIETY, INTERNATIONAL HEADQUARTERS</i>
Dec 1998	Prize for best paper published in 1995-97 in Geodesy by Greek Nationals <i>ACADEMY OF ATHENS</i>

5. TEACHING – RESEARCH & DEVELOPMENT ACTIVITIES

5.1 Teaching Activities

5.1.1 University of Newcastle Upon Tyne (UK)

1996 – 1997	Aspects of Advanced Surveying (2 nd year)
1996 – 1997	Positioning Theory and Methodology (3 rd year)

5.1.2 Western Geophysical Company (USA)

1998	Coordination and lecturing of scientific seminar addressed to field surveyors and surveyor analysts Streamer Geodetic Network & Ocean Bottom Cable Positioning Techniques during Hydrocarbon Exploration
1999 – 2000	Lectures delivered to field surveyors and surveyor analysts - Introduction to Geodesy - Least Squares Filtering and Testing - Quality Measures in Geodetic Positioning and Statistical Testing

5.1.3 National Technical University of Athens (Greece)

2004 – present	Geodesy II - Surveying Instruments and Procedures (2 nd year)
2004 – present	Geodesy III - Land Surveying Methods and Techniques (2 nd year)
2004 – present	Field Course in Geodesy I (3 rd year)
2004 – present	Geodesy V – Satellite Geodesy I (3 rd year)
2006 – present	Advanced Methods in Engineering and Industrial Geodesy (postgraduate level)

5.1.4 Hellenic Military Geographic Service (*Greece*)

2005 – present Least Squares Theory and Statistical Testing (2nd year)

5.1.5 Department of Geodesy and Photogrammetry, Istanbul Technical University (*Turkey*)

2007 GPS/GNSS Techniques short lectures

2007 Advances in Mobile Mapping Systems short lectures

5.3 Thesis Supervised

Doctor of Philosophy

He is supervising 2 Ph.D. students (K. Fragos and A. Mpimis) in the area of navigation and sensor fusion. Also, he is co-supervising 1 Ph.D. student.

Master's and Diploma Theses

Since 2004 he has supervised 7 Master's and 14 diploma theses. He is currently supervising 2 Master's and 5 diploma theses.

5.4 Research Interests and Selected Research Projects

1992 - 2006 Main areas of expertise / research activities are:

- surveying engineering for structural deformation monitoring
- vehicle navigation and sensor fusion
- mobile mapping
- least squares, Kalman filtering and geodetic data measurement analysis

Selected Research Projects

“Measurement of Crustal Deformations in Central Greece Using GPS Satellites”, (*European Union*), 1992 [coordinator]

“Sea-Level Fluctuations: Geophysical Interpretation and Environmental Impact (SELF)”, (*European Union*), 1992

“Overall GPS strain determination and assessment of seismic hazard in Greece”, (*European Union*), 1996-97

“Benchmarking of the LEICA SR 9500 RTK GPS System”, (*Leica Geosystems*), 1997

“Development and testing of models for the incorporation of acoustic data into 3D positioning for offshore seismic geophysical studies” (MAS2-CT-93-5008) (*European Union*), 1994 -97

“OBC Source and Detector Coordinate Recomputation Using First Breaks”, (*Western Geophysical Company*), 1997-98 [coordinator]

“Observational Quality Determination and Assessment of High Frequency Acoustic Systems for Use in OBC Positioning”, (*Sonardyne Ltd & DigiCOURSE*), 1998-00 [coordinator]

“Development and Testing of Methods for the Verification/Calibration of Navigation Sensors Using Traditional Survey Techniques”, (*Western Geophysical Company*), 1999-00

“Dynamic Calibrations of Magnetic Compasses: Verification Methods and Database Development”, (*Western Geophysical Company*), 1999-00 [coordinator]

“Landslide management along water-supply pipelines using remote sensing and GIS techniques”, (*Greece-United Kingdom Bilateral Research Project*), 2001-03

“Deformation Monitoring Studies of Mornos Dam”, (*Athens Water Supply and Sewerage Company*), 2002-04

“Dynamic Deformation Monitoring of PPC Power Plant Chimneys”, (*Hellenic Public Power Corporation*), 2005-06 [coordinator]

“Dynamic Deformation Monitoring and Analysis of Tall Radio-Broadcasting Masts”, (*Hellenic Broadcasting Corporation*), 2005-06 [coordinator]

“Development of Computational Algorithms for the Automatic Extraction of Road Design Geometry Elements Using Satellite and Terrestrial Geodetic Data”, (NTUA Fundamental Research Fund), 2007-08

“Development of Algorithms for the Integration of Positioning Sensors for Mobile Mapping Applications: Implementation in 1000 km of Roads in Greece”, (Greek Ministry of the Environment, Planning and Public Works), 2009-11 [coordinator]

“Development of Algorithms and Apparatus for Recording and Analysis of Geodetic Observations for Rowing”, (Greek Ministry of Youth Affairs and Sports), 2010-11 [coordinator]

“Dynamic Modeling for Land Mobile Navigation Using Low-Cost Inertial Sensors and Least Squares Support Vector Machine Learning”, (NTUA Fundamental Research Fund), 2010-11 [coordinator]

6. SCIENTIFIC PUBLICATIONS

6.1. Theses and Patents

- Gikas, V., (1996) **“Least Squares Filtering and Testing for Positioning and Quality Control During 3D Marine Seismic Surveys”**, Ph.D. Thesis, Department of Surveying, University of Newcastle upon Tyne, pp 315
- Gikas, V., Cross, P.A., Akuamoa, A., (1998) **“Method of Locating Hydrophones”**, *USA Patent and Trademark Office* (patent no: 5,761,153), *World International Property Organization* (patent no: WO 97/50007), Assignee: Input/Output, Inc., Stafford Texas, pp15

6.2. Journal Publications and Fully Referred Conferences

Selected Papers

- Gikas, V., Cross, P.A., Akuamoa, A., (1995) **“A Rigorous and Integrated Approach to Hydrophone and Source Positioning during Multi-Streamer Offshore Seismic Exploration”**, *The Hydrographic Journal*, No.77, p11-24
- Gikas, V., Cross, P.A., Akuamoa, A., (1995) **“Development and Testing of Mathematical Algorithms for Source and Streamer Positioning during Marine Seismic Exploration”**, 4th International Congress of the Brazilian Geophysical Society, 1st Latin American Geophysical Conference, Rio de Janeiro.
- Gikas, V., Cross, P.A., (1996) **“Reliability Assessment of Positioning for Seismic Acquisition and Processing at Sea”**, European Association of Geoscientists and Engineers Annual Meeting, Amsterdam.
- Gikas, V., (1996) **“A Data Snooping and Reliability Procedure for Use in Integration of Navigation Sensors in Offshore Oil Prospecting”**, 20th United Kingdom Geophysical Assembly, Newcastle upon Tyne.
- Gikas, V., Cross, P.A., Ridyard, D., (1999) **“Reliability Analysis in Dynamic Systems: An Application in Marine Seismic Networks”**, *GEOPHYSICS*, Vol. 64, No. 4, pp1014-1022
- Gikas, V., (1999) **“Positioning Ocean Bottom Cables “**, Petroleum Exploration Society of Great Britain, Seismic Operations Seminar, London
- Archer, S., Gikas, V., Pinel, C., Ridyard, D., and Cross, P.A., (1999) **“Spatially and temporally correlated navigation errors: how do they manifest themselves in seismic data?”**, *First Break*, Vol. 17, No. 11, pp 355-362
- Gikas, V., Soilemezoglou G. (2003) **“Preparation of rail cutting plans and rail bending as preparatory works for rail laying”**, International Conference in Contemporary Tramway and LRT Systems, Patras, May 19-20 (in greek)
- Gikas V., Paradissis D., Raptakis K., Antonatou O., (2005) **“Deformation Studies of the Dam of Mornos Artificial Lake via Analysis of Geodetic Data”**, FIG Annual Meeting, Cairo, April 16-21

- Gikas, V., (2005) **“Railway Geodesy: The Benefit of Using a Multi-discipline Approach for the Assessment of Track Alignments During Construction”**, FIG Annual Meeting, Cairo, April 16-21
- Gikas, V., Daskalakis S., Stathas D., (2005) **“Investigation of the Performance Characteristics of Tracking Tacheometers: Preliminary Tests and Results”**, International Symposium on Modern Technologies, Education and Professional Practice in Geodesy and Related Fields, Sofia, Nov 03-05
- Kotsis, I., Karamitsos, S., Gikas V., (2005) **“3D Terrestrial Scanning for Tunnel Surveying: Hints and Tips and Comparison with Conventional Methods”**, International Symposium on Modern Technologies, Education and Professional Practice in Geodesy and Related Fields, Sofia, Nov 03-05
- Gikas, V., Daskalakis S. (2005) **“Railway Alignment Computation Using Dual Frequency GPS Data”**, 2nd International Conference on Railway Transports Development, Vol. 1, Athens, Greece, Dec. 1-2 (in greek)
- Gikas V., (2005) **“An Approach to Rail-Cutting & Bending Design and Geodetic QC & Documentation during Rail Laying for Modern LRT Systems”**, Tech. Chron. Scien. J. TCJ, I, No 2-3, pp 48-58 (in greek)
- Gikas V., (2005) **“Combined Geodetic Survey and Track-Recording Vehicle Data Used for Monitoring and Assessing Rail Positioning during Track Laying”**, The Journal of Spatial Sciences, Vol. 50, No 2, pp 13-23
- Karamitsos S., Kotsis J., Gikas V., Alevizatos A. (2006) **“Surface Deformation Monitoring in Tunnel S2 of the Egnatia Highway”**, 12th FIG Symposium on Deformation Measurement and 3rd IAG Symposium for Geotechnical and Structural Engineering, Baden, Austria, May 22-24
- Stefouli M., Apostolidis E., Gikas V., Ripis K., Antonatou O., Zanou D., Peppes E., Oikonomou S. (2006) **“Landslide Risk Assessment Using Remote Sensing and Geodetic Data Integrated on a WEB-GIS Platform”** 11th International Symposium on Natural and Human Induced Hazards and 2nd Workshop on Earthquake Prediction, Patras, Greece, June 22-25
- Gikas, V., Daskalakis S. (2006) **“Full Scale Validation of Tracking Total Stations Using a Long Stroke Electrodynamical Shaker”**, XXIII FIG Congress, Munich, October 8-13
- Celik, N., Gikas, V., Balodimos, D. (2006) **“Geomatics Engineering Education at NTUA, Greece and ITU, Turkey: A Compare and Contrast”**, XXIII FIG Congress, Munich, October 8-13
- Gikas, V., Kotsis, J., Karamitsos S. (2007) **“Laser Scanning Technology for Tunnel Surface Documentation”** Tech. Chron. Scien. J. TCJ, I, No 1-2, pp 87-97 (in greek)
- Anousaki, G., Gikas, V., Kyriakopoulos K., (2007) **“INS-Aided Odometry and Laser Scanning Data Integration for Real Time Positioning and Map-Building of Skid-Steered Vehicles”**, Mobile Mapping Technology Conference, Padua, Italy, May 28-31
- Kingston, T., Gikas, V., Laflamme, C., Larouche, C., (2007) **“An Integrated Mobile Mapping System for Data Acquisition and Automated Asset Extraction”**, Mobile Mapping Technology Conference, Padua, Italy, May 28-31
- Gikas, V., Sakellariou M. (2008) **“Horizontal Deflection Analysis of a Large Earthen Dam by Means of Geodetic and Geotechnical Methods”**, 13th FIG Int. Symposium on Deformation Measurement and 4th IAG Symposium for Geotechnical and Structural Engineering, Lisbon, Portugal, May 12-15
- Gikas, V., Daskalakis, S. (2008) **“Comparative Testing and Analysis of RTS Versus GPS for Structural Monitoring Using Calibration Measurements upon Sinusoidal Excitation”**, 13th FIG Int. Symposium on Deformation Measurement and 4th IAG Symposium for Geotechnical and Structural Engineering, Lisbon, Portugal, May 12-15
- Gikas, V., Laflamme, C., Larouse, C., Kasapi, E., Soilemezoglou, G., Paradissis, D. (2008) **“Development of Advanced Positioning and Videography Tools for Mobile Mapping: Implementation in 1000 km of Roads in Greece”** 10th International Conference on Applications

- Gikas, V. (2008) **“Smart RTS: Monitoring Highly Dynamic Structures”**, GIM International, Vol. 22, Issue 6, pp 44-45
- Daskalakis, S., Gikas, V. (2008) **“Deformation Monitoring and Dynamic Behavior Analysis of Metallic Structures Using Geodetic Methodology”**, 3rd National Symposium on Metallic Structures, Ioannina, Oct. 2-4
- Stratakis, J., Gikas, V., Sakellariou, M., Daskalakis, S. (2008) **“Instrumental Monitoring of Dynamic Vibrations Implementing Experimental Mechanics Techniques and Geodetic Methods”**, 3rd Panellenic Conference Seismic Mechanics and Engineering Seismology, paper No. 1875, 14 pages
- Gikas, V., Sakellariou, M. (2008) **“Settlement Analysis of Mornos Earth Dam (Greece): Evidence from Numerical Modeling and Geodetic Monitoring”**, Vol. 30, pp 3074–3081
- Gikas, V., Daskalakis, S. (2008) **“Determining Rail Track Axis Geometry Using Satellite and Terrestrial Geodetic Data”**, Survey Review, Vol. 40, pp 392-405
- Christodoulakos Y., Gikas P., Gikas V., Angelakis A.N. (2009) **“A Multi-Disciplinary Approach to Water Supply System of the Roman City of Aptera, Crete, Greece”**, 2nd Int. Symp. On Water and Wastewater Technologies in Ancient Civilizations, Bari, Italy, May 28-30
- Stratakis J., Gikas V., Fragos K. (2009) **“A Rigorous Algorithm for Automatic Centerline Extraction Using Multi-Sensor Navigational Data”**, 9th Int. Conference on Optical 3-D Measurement Techniques, Vienna, Austria, July 1-3
- Gikas V., Daskalakis S. (2009) **“Contribution of Combined RTS and TLS to Dynamic Monitoring of Wind Energy Turbines”**, 9th Int. Conference on Optical 3-D Measurement Techniques, Vienna, Austria, July 1-3
- Stratakis J., Gikas V., Fragos K. (2009) **“A Multi-Scale Curve Matching Technique for the Assessment of Road Alignments Using GPS/INS Data”**, 6th International Symposium on Mobile Mapping Technology, Sao Paolo, July 21 - 24
- Fragos K., Gikas V., Paradissis D., (2009) **“Intelligent Land Trajectory Classification for Navigation Modeling During Long GNSS Outages”**, 6th International Symposium on Mobile Mapping Technology, Sao Paolo, July 21 - 24
- Gikas V., Androulaki A., Bimis A., Zacharis V., Fragos K. (2009) **“Accurate Geoid Undulation Determination along a 120 km Long Railway Traverse in Central Greece: Preliminary Results and Validation”**, International Technical Laser Workshop on SLR Tracking of GNSS Constellations, Metsovo, Sept. 14-19
- Gikas V., (2010) **“Metrological Assessment of Conventional and Satellite Geodetic Instruments in Kinematic Positioning: Current Research Activities at NTUA, GREECE”**, 3rd Panhellenic Conference on Metrology, Larnaka, Cyprus, Feb. 5-6.
- Fragos K., Kealy A., Gikas V., Rabiain A. (2010) **“Dynamic Modeling for Land Mobile Navigation Using Low-Cost Inertial Sensors and Least Squares Support Vector Machine Learning”**, ION GNSS, Portland, Oregon, Sept. 21-24.
- Zarikas V., Gikas V., Kitsos C. (2010) **“Evaluation of the Optimal Design “Cosinor” Model for Enhancing the Potential of Robotic Theodolite Kinematic Observations”**, MEASUREMENT, Vol. 43, pp 1416-1424

6.3 Technical Reports

- **Overall GPS Strain Determination and Assessment of Seismic Hazard in Crece.** (V. Gikas, P.A. Cross), January 1997, 48pp.
- **Benchmarking of the Leica SR 9500 RTK GPS System.** (P.A. Cross, S. Edwards, J Barnes and V. Gikas), May 1997, 17pp.
- **Marine Geodetic Network Positioning Pre-Analysis..** (V. Gikas), July 1997, 9pp.
- **Ocean Bottom Cable & Transition Zone Detector Positioning Pre-Analysis.** (V. Gikas), August 1997, 5pp.
- **The Effect of Loss of DGPS Tailbouy Positioning on Network Quality Measures.** (V. Gikas), Οκτ 1997, 12pp.
- **Geophone Re-Positioning Tests - Acoustics versus First Breaks: A Case History from Cabinda, Angola and the Democratic Republic of Congo (DRC) Programme.** (V. Gikas), January 1998, 9pp.
- **Static Verification – Calibration Report for the Geodetic Sensors of “Western Regent” Employing Conventional Survey Techniques.** (M. Shelley, V. Gikas, L. Cox), February 1998, 51pp.
- **2-Boat, 12 Streamer Simultaneous Shooting Navigation Analysis.** (V. Gikas), May 1998, 11pp.
- **12-Streamer Shooting Navigation Analysis.** (V. Gikas, N. Zinn), August 1998, 11pp.
- **Static Acoustic Test of The Digicourse / Digifix Acoustic Positioning System.** (V. Gikas, N. Zinn), October 1998, 23pp.
- **Static Acoustic Test of The Sonardyne TZ/OBC Acoustic Positioning System.** (V. Gikas, N. Zinn), October 1998, 23pp.
- **Quality Plan: Ultra Survey In-Water Positioning. A Proposal for Use in Tenders for Jobs to Clients.** (V. Gikas, S. Porteous), November 1998, 11pp.
- **The Significance of Streamer Mid-Network Acoustics to Network Positioning Integrity: A Precision Pre-Analysis Study.** (V. Gikas), February 1999, 2pp.
- **Mid-Network Acoustics Navigation Analysis: Comparisons between Synthetic and Real Data.** (V. Gikas), March 1999, 3pp.
- **ELF Exploration & Production. Block-32 Offshore Angola: Specific Technical Information on Navigation & Positioning.** (V. Gikas, J. Cruickshank), September 1999, 32pp.
- **GPS Positioning During High Solar Activity Conditions** (V. Gikas), January 2000, 12pp.
- **Dynamic Calibrations of Magnetic Compasses: Verification Methods and Database Development** (V. Gikas, J. Cruickshank and G. Campbell), February 2000, 24pp.

6.4 Technical Specifications

- 2000 **Positioning Systems Verification Specifications for 3D Marine Seismic Surveys**
(with Bonner H and Walton R.), January 2000, 20pp.
 - Static Field Verification for Absolute Positioning Systems (DGPS)
 - Static Field Verification for Relative Positioning Systems
 - Static Field Gyrocompass Verification
 - Static Field Compass Verification
 WESTERN GEOPHYSICAL COMPANY, UK
- 2000 **Eastern Hemisphere Geophysical Support Group Operating Procedures**
(with Bonner H and Walton R.), February 2000, 45pp.
 WESTERN GEOPHYSICAL COMPANY, UK
- 2002 **Quality Assurance Manuals for the Design and Construction of Transportation Works**
(with G. Soilemezoglou)
 MINISTRY OF ECONOMY AND FINANCE, GREECE

7. PROFESSIONAL EXPERIENCE

Apr 1997 – Apr 2000 Senior Navigation Scientist, Western Geophysical Company, London, UK
May 1998 – Oct 1998 Visiting Research Associate, Western Geophysical Company, Houston, USA

Under his capacity as a navigation scientist he has been responsible for:

- applied research and development for positioning data acquisition and processing
- QA/QC of positioning / navigation data acquisition and processing
- 3D marine seismic network design and verification
- dimensional surveys of geodetic sensors
- static and dynamic verifications of real time positioning sensors testing
- training for field surveyors and surveyor analysts (introduction to Geodesy, Least Squares Filtering and Testing, Quality Measures in Geodetic Positioning and Statistical Testing)
- preparation of contracts and proposals for tendering

He has been also responsible for positioning data acquisition and processing for major marine seismic data acquisition and processing programmes. Selected projects include:

Oct 1997	Programme	: Prinos oilfield
	Area / size	: Kavala Bay, Greece / 177 Km ²
	Owner	: <i>North Aegean Petroleum Company</i>
Nov 1997 – Feb 1998	Programme	: Numbi oilfield
	Area / size	: Cabinda, Angola / 200 Km ²
	Owner	: <i>CHEVRON</i>
Nov 1997 – Feb 1998	Programme	: Congo River Mouth oilfield
	Area / size	: River Congo, DRC / 177 Km ²
	Owner	: <i>CHEVRON</i>
Oct 1998 – Nov 1998	Programme	: Golfo di Squillace oilfield
	Area / size	: Ionian Sea, Italy / 534 Km ²
	Owner	: <i>AGIP (ENI S.p.A.)</i>
Nov 1998 – Dec 1998	Programme	: Bonaccia oilfield
	Area / size	: Adriatic Sea / 230 Km ²
	Owner	: <i>AGIP (ENI S.p.A.)</i>
Nov 1998 – Dec 1998	Programme	: Amelia oilfield
	Area / size	: Adriatic Sea / 50Km ²
	Owner	: <i>AGIP (ENI S.p.A.)</i>
Dec 1998 – Mar 1999	Programme	: South Aiza Laura oilfield
	Area / size	: Adriatic Sea / 1719 Km ²
	Owner	: <i>AGIP (ENI S.p.A.)</i>
Mar 1999 – Apr 1999	Programme	: Golfo di Corigliano oilfield
	Area / size	: Ionian Sea / 230 Km ²
	Owner	: <i>AGIP (ENI S.p.A.)</i>
May 1999 – Jul 1999	Programme	: Pelican, Quad-211 oilfield
	Area / size	: North Sea, Norway / 200 Km ²
	Owner	: <i>SHELL Norway</i>
Aug 1999	Programme	: Foukanda oilfield
	Area / size	: Foukanda, Congo / 316 Km ²
	Owner	: <i>AGIP RECHERCHES CONGO S.A.</i>

2001 - 2004 Surveying & Positioning Specialist, NAMA SA Consulting Engineers and Planners, Athens, Greece

He worked for the transportation infrastructure department of NAMA SA. Under his capacity as a surveying and positioning specialist he has been responsible for projects related to:

- surveying and positioning services
- highway and railway design, planning and feasibility studies
- guidelines of quality systems for consultants and contractors
- preparation of contracts and proposals for tendering

Selected projects include:

2001-04	Athens Light Rail System Design	TRAM SA
2003	Selection of consultant for the introduction of value engineering methodology in transportation projects	Ministry of the Environment, Physical Planning and Public Works
2003-04	Ionia Odos Highway (Antirrio-Kefalovriso Section)	Ministry of the Environment, Physical Planning and Public Works
2003	Topographical survey at Ilia (Peloponnesse) for the water supply of 62 municipalities and villages	Prefecture of Ilia (Peloponnesse)

8. OTHER ACTIVITIES

8.1 University Administration Activities

2004 -	Member of the General Assembly of the School of Rural and Surveying Engineering (SRSE), NTUA
2005 - 06	Coordination of the procurement competition of IT equipment for SRSE, NTUA
2006	SRSE representative to the NTUA Senate

8.2 Service to the Profession / Community

1992 -	Technical Chamber of Greece (TCG)
1995 - 00	Society of Exploration Geophysicists (SEG)
1997 -	The Hydrographic Society (THS)
1998 - 00	Petroleum Exploration Society Great Britain (PESGB)
1999 -	European Association of Geoscientists and Engineers (EAGE)
2004 -	International Federation of Surveyors (FIG)

8.3 Seminars / Qualifications undertaken

1997	Offshore training and survival course – KINGSTON UPON HULL.
1997	Seismic data acquisition and processing concepts - LONDON.
1997	Unix operational system – LONDON.
1997	OMEGA TM seismic data processing system - LONDON.
1998	UNAVCHK vessel navigation and seismic network post-processing positioning system – LONDON.
1998	SPECTRA vessel navigation and seismic network real-time positioning system – HOUSTON
1999	Principles of Rock Physics – LONDON
1999	Presentation skills – LONDON

Dr. Vassilis Gikas