

Europass Curriculum Vitae

Personal information

First name(s) / Surname(s) Address(es) Telephone(s) Fax(es) E-mail Nationality Date of birth Gender Occupation/field Work experience



VASILEV, Atanas Dimitrov

Assoc. Prof. PhD; Marine Geophysicist
Male
04.08.1954 (August 4, 1954)
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RG Score 11.44, H-index 6, Cited 113 Dates September 1986 onwards Occupation or position held Researcher - Senior Researcher, Projects Leader Main activities and responsibilities Creation of a multi-parameter model of methane hydrates stability zone of the Black Sea. Study of mud volcanoes activity in different time scales and corresponding processes of heat and fluids transfer, hydrates instability and fluids escape. Quantitative evaluation of oil and gas potential of the Bulgarian shelf and continental slope with the methods of historico-genetic approach, on the base of world deep sea drilling data. Assessment of the Black Sea thermogenic hydrocarbons release history with basin analysis. Estimations of methane contribution to carbon budget of the water body and atmosphere from gas seeps, gas hydrates instability and mud volcano activities. Study of the connection earthquakes - bottom instability - fluids migration - mud volcanoes activity. Creation of big-scale models of the heat flow and temperature field: of the Earth crust and the Cenozoic sequence of the Bulgarian Black Sea part up to 40 km depth; determination of the Currie boundary parameters. Hydrographic and magnetic surveys for marine industry. Modeling of marinas, artificial beaches, wave loads on underwater pipelines, oil spills spreading. Developing software for geological processes simulation and geophysical interpretation. Analysis, interpretation and visualization of multi-parameter data.

Institute of Oceanology, Department of Marine Geology

Name and address of employer

Occupation or position held

Dates

October 1982 – June 1986

Post-Graduate Student

Main activities and responsibilities

Development of a new method for marine geothermal measurements - "on-board geothermics". Solving of three main tasks: to prove theoretical perspective of the idea creating mathematical model and experiment numerically; conduct laboratory experiments for numerical modeling corrections; technical tools design and expedition tests.

Member of a support team for geophysics research projects - long term sub-bottom temperature and conductivity measurements; geothermal models of shelf and slope evolution; perspective recreational and mineral resources; new methods and software for marine geophysical investigations; underwater towed vehicles.

Creation of supporting software embracing the whole work cycle from sensors calibration to data obtaining, processing and interpretation.

Moscow State University, Geological Faculty, Department of Geophysics

Name and address of employer

Dates May 1979 – October 1982

Occupation or position held

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Geophysicist, Research support specialist

Mobile: +359 898 566 411

Main activities and responsibilities Name and address of employer	 Extensive experience in shallow seismic (boomer; sparker), echo sounder, side-scan sonar and geothermal methods; data obtaining, processing, interpretation and mapping. Conducting of the first Bulgarian marine geothermal measurements; creation of structural maps of the Neogene and the Quaternary complexes for the shelf and continental slope from seismo-acoustical records; first evaluation of the sand deposits from sand banks. Working out programs for statistical analysis of experimental data, data processing, maps and graphics drawing. Institute of Oceanology, Department of Marine Geology 					
Education and training			0,			
Dates	1982-1986					
Principal subjects/occupational skills covered	PhD in Physics & Mathematics					
Name and type of organisation	Marine Geophysics; Thesis title "A new method for geothermal measurements on shelf areas"					
Level in national or international classification	Moscow State Univ	Moscow State University				
Dates	ISCED 6					
Title of qualification awarded	1974-1979					
Principal subjects/occupational skills covered	MSc in Physics					
Name and type of organisation	Physics (emphasis					
Level in national or international classification	Geophysics) Sofia	State				
Dates	ISCED 5					
Name and type of organisation	1972-1974					
Dates	Bulgarian NAVY; R	egular Army Service				
Name and type of organisation	1968-1972					
Level in national of international classification	Varna Math High S	chool				
Personal skills and competences	ISCED 4					
	Bulgarian					
Mother tongue(s)	Bulgarian		•			
Mother tongue(s) Other language(s)/Self-assessment	Bulgarian Understanding	Desta	Speaking		Writing	
Mother tongue(s) Other language(s)/Self-assessment <i>European level (*)</i>	Bulgarian Understanding Listening Duladesendent	Reading	Speaking Spoken interaction	Spoken production	Writing	
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Mother tongue(s) Other language(s)/Self-assessment <i>European level (*)</i> English Russian	Bulgarian Understanding Listening B2 Independent user (*) Common Europee	Reading B2 Independent user C2 Proficient user	Speaking Spoken interaction C1 Proficient user C1 Proficient user	Spoken productionC1Proficient userC1Proficient user	Writing C2 Proficient user C2 Proficient user	
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Mother tongue(s) Other language(s)/Self-assessment <i>European level (*)</i> English Russian Social skills and competences Organisational skills and competences	Bulgarian Understanding Listening B2 Independent user C2 Proficient user (*) Common Europea • Team work: I hadata acquisition of complex geolo • Intercultural skill EUROSEISMIC; GEOHAZARD, MIGRATE, GEO • I am a senior res • Participation in 4 • Member of Bulga • I am a co-found to manage anthr Much experience geological samplingechosounding, side	Reading B2 Independent user C2 Proficient user <i>n</i> Framework of Reference ave worked in variou to data processing, ogical objects and prosigical obj	Speaking Spoken interaction C1 Proficient user C1 Proficient user C1 Proficient user Ince for Languages Its types of research interpretation and vicesses; projects CESUM-B RIMEA, GEO-HYDF PERGAMON, TxIS Good ability to adapt ivolves organizing tea f 23 research ships, sts, Bulgarian Geoph ng to improve the mack Sea Coastal Ass ical data acquisitior ; in situ/on-board he , sparker, magnetom	Spoken production C1 Proficient user C1 Proficient user C1 Proficient user teams – from marin sualization and compliance lack Sea; GASHYD. RATE, BLAKSEA SI S-MPP, GEO-MET to multicultural environ ams to carry out variot 13: Chief Scientist, 8: hysical Union and EAG harine environment a ociation and Mayday n, processing, interp at flow measuremen eter, ROV, gravity co	Writing C2 Proficient user C2 Proficient user C2 Proficient user C2 Proficient user C2 Proficient user C2 Proficient user SeiScanX; PAN, MARINE HANE, COST onments. Supervisor. GE. nd design and Foundation. pretation and ts/calibration, rers.	
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Mother tongue(s) Other language(s)/Self-assessment <i>European level (*)</i> English Russian Social skills and competences Organisational skills and competences Technical skills and competences Other skills and competences Additional information	Bulgarian Understanding Listening B2 Independent user (*) Common Europea • Team work: I hadata acquisition of complex geolo Intercultural skill EUROSEISMIC; GEOHAZARD, MIGRATE, GEO • I am a senior res • Participation in 4 • Member of Bulga • I am a co-found to manage anthr Much experience geological sampling echosounding, side Numerical method relational database Client/Server, HTM Certificate in Marin	Reading B2 Independent user C2 Proficient user Independent user Independent user Independent user Independent user Information Independent user Information Independent user Information Information	Speaking Spoken interaction C1 Proficient user C1 Proficient user C1 Proficient user Ince for Languages Its types of research interpretation and vicesses; projects CESUM-B RIMEA, GEO-HYDF PERGAMON, TxIS Good ability to adapt volves organizing tea f 23 research ships, sts, Bulgarian Geoph ng to improve the mack Sea Coastal Ass ical data acquisition ; in situ/on-board he , sparker, magnetom verse problem theo er development; FO InterBase, MS SQL Sonce Category B	Spoken production C1 Proficient user C1 Proficient user teams – from maring sualization and compliance sea; GASHYD, RATE, BLAKSEA SHS-MPP, GEO-MET to multicultural environment at the control of the contrel of the control of the control of the contr	Writing C2 Proficient user C2 Proficient user C2 Proficient user C2 Proficient user C2 Proficient user C2 Proficient user SeiScanX; PAN, MARINE HANE, COST onments. Supervisor. GE. nd design and Foundation. pretation and ts/calibration, rers. programming, c, C++, Delphi & Linux).	

https://www.researchgate.net/profile/Atanas Vasilev

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Bulgarian patent: Parlichev D., **A. Vassilev**, M. Karakolev, P. Ikonomov, 1986. Geological gravity corer for heat flow measurements and gas capture. BG Patent No. 40109 A MPK G 01 N 1/02 (priority from 10.06.1985).