




PERSONAL INFORMATION

Stiliyan Georgiev



 Bulgarian Academy of Sciences, 67 "Shipchenski prohod" str., 1574 Sofia, Bulgaria
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Sex male | Date of birth | Nationality Bulgarian

STUDIES APPLIED FOR

WORK EXPERIENCE

- 2014 – present **Head of Group “Development and Design”**
 Institute of Metal Science, Equipment and Technologies "Acad. A. Balevsci" with Haydroaerodinamics centre - Bulgarian Academy of Sciences, 67 "Shipchenski prohod" str., 1574 Sofia, Bulgaria; www.ims.bas.bg

 - Embedded Software Development, Mathematical Data Processing, Sensory Array Development, Publication of scientific papers

Business or sector Applied Science
- 2010 – 2013 **Software Expert**
 Institute of Metal Science, Equipment and Technologies "Acad. A. Balevsci" with Haydroaerodinamics centre - Bulgarian Academy of Sciences, 67 "Shipchenski prohod" str., 1574 Sofia, Bulgaria; www.ims.bas.bg

 - Embedded Software Development, Mathematical Data Processing, Sensory Array Development, Publication of scientific papers

Business or sector Applied Science
- 2008 – present **Assist. Prof.**
 Institute of Neurobiology – Bulgarian Academy of Sciences; 23, Acad. G. Bonchev Str, 1113 Sofia, Bulgaria; www.bio.bas.bg

 - EEG research and experimental work; Publication of scientific papers, Software development.

Business or sector Science
- 2008 - 2009 **Software Expert**
 Institute for Parallel Processing – Bulgarian Academy of Sciences, Information & Security Department; 25, Acad. G. Bonchev Str, 1113 Sofia, Bulgaria; <http://www.iict.bas.bg/>

 - IT Knowledge Repository Development and Support

Business or sector Science
- 2004 – 2008 **Specialist**
 Institute of Neurobiology – Bulgarian Academy of Sciences; 23, Acad. G. Bonchev Str, 1113 Sofia, Bulgaria; www.bio.bas.bg

 - EEG research and experimental work; Equipment support

Business or sector Science

EDUCATION AND TRAINING

- 1996 - 2003 **Master of Physics**
 Sofia University "St. Kliment Ohridski"

- Medical Physics

PERSONAL SKILLS

Mother tongue(s) **Bulgarian**

Other language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	C1	C1	C1	C1	C1
German	C1	C1	C1	C1	B2
Russian	C1	C1	C1	C1	B2

Levels: A1/2: Basic user - B1/2: Independent user - C1/2 Proficient user
Common European Framework of Reference for Languages

Communication skills

- Awarded in 2008 from the British Council for his participation in FameLab TV competition. 2008 – 2009 moderator of Bulgarian TV series “Science X”.

Job-related skills

Software and Embedded software Development; Time-series data analysis; Psychophysiology experiments planning and design; Conduction of experiments. Sensors and sensory systems design and production;

Computer skills

MatLab software development and data analysis; Embedded C programming; Microcontrollers programming, In addition Python, HTML, PHP, CSS, JavaScript;

ADDITIONAL INFORMATION

1. **Stiliyan Georgiev**, Hristo Kolev, Nikola Obreshkov. Wireless module for mounting and local adjustment of sensor system. Пета национална конференция с международно участие: Металознание, Хидро- и аеродинамика, Национална сигурност '2015.
2. **Stiliyan Georgiev**, Hristo Kolev, Nikola Obreshkov, Emilian Lalev, Vladimir Venkov, Permanent test polygon for sensors testing and demonstration of a sensor system. Пета национална конференция с международно участие: Металознание, Хидро- и аеродинамика, Национална сигурност '2015.
3. Бижев Ю, **Георгиев С**, Колев Х, Тодоров С. Методи и алгоритми при разпознаване на верижни машини със сеизмичен сензор. Научни известия на на НТСМ. ISSN 1310-3946
4. Christova Ch., **Georgiev S.**, Philipova D., Mitov D.(2014) Effect of Gratings Orientation Difference on N1 and P3 Components of Visual Event Related Potentials at Different Orientation Identification Tasks; Proceedings of the Bulgarian Academy of Sciences, 67(1) pp.67-76.
5. **Georgiev, S.**, Minchev, Z. (2013). An Evolutionary Prototyping for Smart Home Inhabitants
6. Wearable Biomonitoring', In Proceedings of Conjoint Scientific Seminar "Modelling &
7. Control of Information Processes", IMI-BAS, 21 – 31, November 19.
8. Bijev Y., **Georgiev S.**, Kolev H., Todorov S. (2013). Multi-sensory device for environmental parameters detection. Scientific Proceedings. 2 (139) ISSN 1310-3946.
9. **Georgiev S.**, Bijev Y., Todorov S., Kolev S., Kolev H, (2013) Analysis methods for helicopter low frequency acoustic signals. Третата НКМУ "Металознание, хидро- и аеродинамика, национална сигурност".
10. **Georgiev S.**, Bijev Y., Kolev S, Kolev H., Todorov S., (2013) Registration and identification of low-frequency acoustic signals from helicopter. Третата НКМУ "Металознание, хидро- и аеродинамика, национална сигурност".
11. **Георгиев С**. Колев Х. Обрешков Н. Лалев Е. (2013). Система за сигурност в домовете на бъдещето. „Сборник материали - HOME/2010/CIPS/AG/019”, Част втора, ISBN 978-954-92552-7-0.
12. Minchev Z., Boyanov L., **Georgiev S.** (2013). Security of future smart homes. Cyber-physical threats identification perspectives. „Сборник материали - HOME/2010/CIPS/AG/019”, Част втора, ISBN 978-954-92552-7-0.
13. Durankev B. Katrandjiev H. Andonov S., **Georgiev S.** (2012). The impact of television advertising on attention, memory and information processing in viewers. 2012. Publishing Complex – University of National and World Economy. ISBN 978-954-644-383-0.
14. Колев Х., **Георгиев Ст.**, доц. БижевЮ., Тодоров Ст. (2012). Оптимизация на честотния анализ и управление на сегментен доплеров модул чрез едночипов микроконтролер с ниска консумация. Международна конференция Дефектоскопия'12".
15. Бижев Ю., **Ст. Георгиев**, д-р Х. Колев, Ст. Тодоров. (2011). Регистриране и разпознаване на източници на нискочестотни механични трептения от сигнали на пиезоелектрически сензори. Международна конференция Дефектоскопия'11".
16. **Георгиев Ст.**, Бижев Ю., Тодоров Ст., Колев Х., (2011). Разпознаване и класифициране на ритмика в сигнали получени от пиезоелектрически сензори. Международна конференция Дефектоскопия'11".
17. Todorov S., **Georgiev S.**, Kolev, H., Bijev, Y. Lalev E., Atanasov I. Mathematical Processing of Signals Obtained from Sensors. Journal of Materials Science and Technology. Volume 19, 2011, Number 3.
18. **Stiliyan Georgiev**, Zlatogor Minchev, Christina Christova, Dolja Philipova; Gender Event-related Brain Oscillatory Differences in Normal Elderly Population EEG; INT. J. BIOAUTOMATION, 2011, 15(1), 33-48.
19. **Georgiev, S.**, Philipova, D., Christova, C., Ivanova, I. Eeg alpha frequency shift between stable and neurotic personality after auditory stimuli presentation. 2010. Comptes Rendus de L'Academie Bulgare des Sciences 63 (4) , pp. 535-542.
20. **Georgiev S.**, Minchev, Z., Ch.Christova, & Philipova, D. (2009). EEG Fractal Dimension Measurement before and after Human Auditory Stimulation. BIO AUTOMATION.
21. Z. Minchev, G. Dukov, **S. Georgiev**. (2009) EEG Spectral Analysis in Serious Gaming: An Ad Hoc Experimental Application. International Journal Bioautomation. 13 (4), 79-88.
22. **Georgiev S.**, Minchev Z., Philipova D., Hristova H. (2008) Time-Frequency Spectral Differences in Event-Related Potentials between Neurotic and Stable Persons in Human EEG; BioPS'08, November 4-5, II.55-II.62.
23. **Georgiev S.**, Lalova Y., Philipova D., Ivanova V.; Relation between cognitive skills and ERP components in sensory motor task; Scientific Research Journal of SouthWest University; 1(1) 27-31; 2008; ISSN 1313-4558.
24. Philipova D., Dushanova J., Nikolova G., **Georgiev S.**; Event-Related oscillatory activity in parkinsonian patients in discriminatory task condition; Scientific Research Journal of South-West University; 1(1) 67-71; 2008; ISSN 1313-4558
25. **Georgiev S.**, Philipova D., Lalova Y.; The task complexity and Extraversion: an ERP study. Proc. II South East European Doctoral Students Conference, 2007
26. **Georgiev S.**, Lalova Y., Ivanova V., Philipova D.; Attention scores and ERP components in sensomotor task; Homeostasis, 44, 2006, 109-118; awards, memberships, references.

Projects

1. A Feasibility Study on Cyber Threats Identification and their Relationship with Users' Behavioural Dynamics in Future Smart Homes", DFNI-T01/4 Research Grant "Funding of Fundamental & Applied Scientific Research in Priority Fields", Bulgarian Science Fund, Ministry of Education Youth and Science, 2012-2014
2. A Study on IT Threats and Users Behaviour Dynamics in Online Social Networks. DMU03/22 (Entry Number: MU03/200), Bulgarian Science Fund. Young Scientists Grant, 2011-2014
3. Project: HOME/2010/CIPS/AG/019, Program: The Prevention, Preparedness and Consequence Management of Terrorism and other Security-related Risks (CIPS). Theme: „Development of tools needed to coordinate inter-sectoral power and transport cip activities at a situation of multilateral terrorist threat. Increase of the capacity of key cip objects in Bulgaria“, 2010 – 2013r.
4. Psychophysical and electrophysiological approaches in the search for new evidence of a separate s-off pathway in the visual system of man. Studies in healthy volunteers and patients glaucoma. MU03/182 , 2011-2013.
5. The impact of television advertising on attention, memory and information processing in viewers. НИД 21.03-26.2009, University of National and World Economy, 2008-2012.
6. Perceptual and cognitive processes in perception of luminance-and contrast-defined visual stimuli. Studies on healthy persons and patients with type 2 diabetes. TK01/0475, 2008-2012,