

EUROPEAN
CURRICULUM VITAE
FORMAT



PERSONAL INFORMATION

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Nationality	Bulgarian
Date of birth	07.12.1966

WORK EXPERIENCE

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| <ul style="list-style-type: none">• Dates (from – to)• Name and address of employer<ul style="list-style-type: none">• Type of business or sector• Occupation or position held• Main activities and responsibilities | <p>2021 – to present</p> <p>Institute of Robotics, Bulgarian Academy of Sciences</p> <p>Scientific research</p> <p>Assoc. Prof.</p> <p>Scientific research in the field of information systems, processing and analysis of medical signals. Heart rate variability investigation; software information systems; software systems in medicine and healthcare; Databases; Compression of information; Information Technology; Interactive systems; Coding, protection of information (steganography); semantic technologies, ontologies; Technologies, standards, methods and approaches for accessibility for people with disabilities; web accessibility; Cloud technologies; Innovative methods for research, analysis and creation of serious educational games in the field of healthcare and medicine; Participation in research projects.</p> |
| <ul style="list-style-type: none">• Dates (from – to)• Name and address of employer<ul style="list-style-type: none">• Type of business or sector• Occupation or position held• Main activities and responsibilities | <p>2017 – 2021</p> <p>Institute of Robotics, Bulgarian Academy of Sciences</p> <p>Scientific research</p> <p>Assist. Prof.</p> <p>Scientific research in the field of information systems, processing and analysis of medical signals. Research work under the National Scientific Program of the Ministry of Education and Culture "Young scientists and postdoctoral fellows", on an individual project "Investigation of innovative methods and concepts of serious games in medical education" with a winning competition under the Program of the Ministry of Education and Culture, 2018-2020, RMS No 577 of 17/08/2018. Heart rate variability investigation;</p> <p>Scientific research work (research, development, publication activity) in the field of extraction, processing, modeling and analysis of biosignals and data;</p> <p>Innovative methods for research, analysis and creation of serious educational games in the field of healthcare and medicine; Teletraffic; Self-similar processes.</p> <p>Participation and management of research projects.</p> |
| <ul style="list-style-type: none">• Dates (from – to)• Name and address of employer<ul style="list-style-type: none">• Type of business or sector• Occupation or position held• Main activities and responsibilities | <p>2010 – 2017</p> <p>Institute of System Engineering and Robotics, Bulgarian Academy of Sciences</p> <p>Scientific research</p> <p>Assist. Prof.</p> <p>Scientific research in the field of information systems, processing and analysis of medical signals. Heart rate variability investigation; Teletraffic research;</p> |

Publishing activity.

- Dates (from – to) 1995 – 2010
 - Name and address of employer Central Laboratory of Mechatronics and Instrumentation (BAS), Branch V.Tarnovo
 - Type of business or sector Research work in the field of information systems, complexes and networks
 - Occupation or position held Research fellow
 - Main activities and responsibilities Scientific research in the field of information systems, complexes and networks; participation in scientific and applied works under contracts with the Ministry of Defense
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- Dates (from – to) 1990 – 1995
 - Name and address of employer Institute of Technical Cybernetics and Robotics (BAS), subsequently Institute of Mechatronics, Branch of Veliko Tarnovo
 - Type of business or sector Research work on high-speed network technologies;
 - Occupation or position held Research fellow
 - Main activities and responsibilities Research work on high-speed network technologies; creating software programs for military applications under contracts with the Ministry of Defense.
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- Dates (from – to) 1989 – 1990
 - Name and address of employer Computing center to a Factory for radio equipment, V. Tarnovo
 - Type of business or sector Development of software programs
 - Occupation or position held Programmer
 - Main activities and responsibilities Participating in development as a programmer
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- Dates (from – to) 1989 – 1990
 - Name and address of employer SPTUE "Alexander Popov", town of Veliko Tarnovo
 - Type of business or sector Teaching activity.
 - Occupation or position held Honorary teacher of subjects in the field of informatics and electronics.
 - Main activities and responsibilities Teaching activity.

EDUCATION AND TRAINING

- Dates (from – to) 2012-2016
 - Name and type of organization providing education and training Institute of System Engineering and Robotics, Bulgarian Academy of Sciences
 - Principal subjects/occupational skills covered Developed dissertation on the topic: "Modeling and analysis of cardiac data through wavelet theory"
 - Title of qualification awarded Awarded educational and scientific degree Doctor
 - Level in national classification (if appropriate)
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- Dates (from – to) 1984-1989
 - Name and type of organization providing education and training Higher Machine Electrical Engineering Institute, Varna, Bulgaria
 - Principal subjects/occupational skills covered Electronics and automation
 - Title of qualification awarded Electronics and automation engineer
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- Dates (from – to) 1980-1984
 - Name and type of organization providing education and training Mathematics High School, Veliko Tarnovo
 - Principal subjects/occupational skills covered Completed with full honors and gold medal.
 - Title of qualification awarded Programmer specialty.

PERSONAL SKILLS AND COMPETENCES

*Acquired in the course of life and career
but not necessarily covered by formal
certificates and diplomas.*

MOTHER TONGUE

BULGARIAN

OTHER LANGUAGES

ENGLISH

GOOD

GOOD

GOOD

- Reading skills
- Writing skills
- Verbal skills

GERMAN

GOOD

GOOD

GOOD

- Reading skills
- Writing skills
- Verbal skills

RUSSIAN

EXCELLENT

EXCELLENT

EXCELLENT

- Reading skills
- Writing skills
- Verbal skills

TECHNICAL SKILLS AND COMPETENCES

*With computers, specific kinds of
equipment, machinery, etc.*

PROGRAMMING LANGUAGES: C ++, MATLAB, PASCAL

MEMBERSHIP OF SCIENTIFIC ORGANIZATIONS

MEMBER OF THE UNION OF INFORMATICS AND AUTOMATION, BULGARIA

Member of a scientific technical union, Bulgaria

ORGANIZATIONAL SKILLS AND COMPETENCES

*COORDINATION, MANAGEMENT AND
ADMINISTRATION OF PEOPLE, PROJECTS AND
BUDGETS IN THE PROFESSIONAL
ENVIRONMENT OR ON A VOLUNTARY BASIS
(E.G. IN THE FIELD OF CULTURE AND SPORTS)
AT HOME, ETC.*

Project manager under the "Scientific Research" Fund.

Member of the organizing committee of the Scientific Interdisciplinary Seminar "Information Society" (<http://www.math.bas.bg/vt/ioseminar/>).

TECHNICAL SKILLS AND COMPETENCE

*Working with computers, with specific
equipment, machines, etc.*

Proficiency in programming languages: C, C++, C#, MATLAB, PASCAL, DELPHI, ASSEMBLER, FORTRAN.

Work with MS EXCEL, SQL, DOS.

Work with all all base programs in an operating system WINDOWS, MS OFFICE.

OTHER SKILLS AND COMPETENCE

Competencies not mentioned above.

Reviewer, editorial and consulting activity.

Member of editorial teams and reviewer of international journals.

Technical editor of scientific volumes of national conferences with international participation.

Ability to work in team.

Creation of software and information products using DELPHI, MATLAB, C++.

MORE INFORMATION PROJECTS

Project manager

Participant in a project

Participant

Participant and leader in national and international projects.

Participation in projects under the Scientific Research Fund:

- "Research of mathematical technologies for the analysis of physiological data with the inclusion of functionality for people with visual deficits" under a 2017 contract.
- "Integrating Assistive Robots and Augmented Reality in the Therapy of Children with Communication Disorders" under contract 2022, ongoing
- "Investigation of the application of new mathematical methods for the analysis of cardiological data; under contract from 2018, current.
- Individual project in the National Program "Young scientists and postdoctoral fellows" within the Horizon 2020 Instrument.

Completed Erasmus+ in Barcelona, Spain, Universitat de Barcelona. From 04.07. until 07/08/22
Lecture course of students from the University of Barcelona on the topic: "Interactive training system for the processing and analysis of cardiac data by applying mathematical methods using MATLAB".

APPLIED DEVELOPMENTS

Participant in scientific and applied development "Artillery calculator - Perla" under contract with The Ministry of Defense and in cooperation with VNVAU "Panayot Volov" Shumen, accepted for service in the Bulgarian Army with the Protocol of 1998.

EDITORIAL MEMBERSHIP COUNCIL OF SCIENTIFIC PUBLICATIONS

- Member of the organizing committee of the conference Innovative STEM education STEMEDU 2020, STEMEDU 2021 and STEMEDU 2022, V.Tarnovo

- Technical editor of Scientific series "STEMedu – Science, Technology, Engineering, Mathematics, Education" volume 2, 2020, volume 3, 2021 and volume 4, 2022, ISSN: 2683-1333

- Technical Editor of Scientific Series "Cultural-Historical Heritage: Preservation, Presentation, Digitization" Volume 4, Issue 1 and 2, 2018, ISSN: 2367-8038

- Member of the editorial board of the International Journal of Applied Science, ISSN 2576-7259 (Online), edition of IDEAS SPREAD INC.

<https://j.ideasspread.org/index.php/ijas/about/editorialTeam>

- Member of the editorial board of the scientific journal International Educational Research, ISSN 2576-3067(Online), edition of IDEAS SPREAD INC.

<https://j.ideasspread.org/index.php/ier/about/editorialTeam>

- Reviewer in International Journal of Advanced Computer Science and Applications, publisher: The Science and Information Organization.

<https://thesai.org/Reviewers?current=1&filter=G&journal=IJACSA>

- Reviewer in the following journals of the publishing house MDPI, Basel, Switzerland, (from 2021 to date):

- Applied Sciences;
- Diagnostics;
- Electronics;
- Energy;
- Healthcare;
- International Journal of Environmental Research and Public Health;
- Journal of Imaging;
- Machines;
- Mathematics;
- Sensors;
- Symmetry;
- Agronomy.

PUBLICATIONS

Over 120 publications in international and national scientific journals (total IF=18,737); in volumes of scientific international and national conferences, including 3 chapters in scientific international monographs (one of which is independent).

<https://www.researchgate.net/profile/Galya-Georgieva-Tsaneva>

QUOTATIONS

A total of over 195 citations were noted excluding self-citations and co-author citations.

REWARDS

- Award for the best report in the "Bioinformatics and medicine" section from the International Conference "AUTOMATICS AND INFORMATICS'11", Sofia, 3-7 October 2011.
- Certificate from ISIR-BAS for scientific contributions in the field of digital and telemedicine, 26.01.2015.
- Certificate from IR-BAS for contributions to raising the authority of the Institute of Robotics, 21.01.2019.
- "The Best Paper" award from the International Conference CompSysTech'22, June 17-18, 2022, Ruse.