Georgi Georgiev Penchev

Date of birth: 24/04/1972 | **Nationality:** Bulgarian | **Gender:** Male |

Phone number: (+359) 28195298 (Work) | **Phone number:**

(+359) 28195272 (Work) | **Email address:** gpenchev@unwe.bg | **Email address:**

gpenchev@e-dnrs.org | **Website:** http://www.e-dnrs.org | **Website:**

http://blogs.unwe.bg/gpenchev/en/ |

Address: 01 blvd. "8-mi dekemvri", 1700, Sofia, Bulgaria (Work)

WORK EXPERIENCE

12/2017 – CURRENT Sofia, Bulgaria
ASSOCIATE PROFESSOR UNIVERSITY OF NATIONAL AND WORL ECONOMY, DEPARTMENT OF NATIONAL AND REGIONAL SECURITY

Lecturing and research activities at the fields of Security and Defence Economics, Defence Acquisition, Business Process Analysis and Modelling, Spatial Analysis, Structural Equation Modelling, GIS Information Systems and Technologies

06/2019 – CURRENT Sofia, Bulgaria
RESEARCH FELLOW INSTITUTE OF INFORMATION AND COMMUNICATION TECHNOLOGIES, BULGARIAN ACADEMY OF SCIENCES

Research activities on Cybersecurity Governance and Management, Business Management and Modelling, Change Management and Transformation

06/2009 – 12/2017 Sofia, Bulgaria
SENIOR ASSISTANT PROFESSOR UNIVERSITY OF NATIONAL AND WORLD ECONOMY, DEPARTMENT OF NATIONAL AND REGIONAL SECURITY

Lecturing and research activities at the fields of Security and Defence Economics, Defence Acquisition, Business Process Analysis and Modelling, Business and GIS Information Systems and Technologies

04/2008 – 10/2011 Sofia, Bulgaria
ADMINISTRATIVE SECRETARY UNIVERSITY OF NATIONAL AND WORLD ECONOMY, CENTRE OF DEFENCE STRATEGIC AND SECURITY STUDIES (CD3S)

Organisation of scientific research projects, budgeting and controlling activities, research activities.

03/2006 – 01/2008 Sofia, Bulgaria
TECHNICAL ASSISTANT INSTITUTE OF COMMUNICATION AND INFORMATION TECHNOLOGIES, BULGARIAN ACADEMY OF SCIENCE

04/2005 – 04/2008 Sofia, Bulgaria
ASSISTANT PROFESSOR UNIVERSITY OF NATIONAL AND WORLD ECONOMY, DEPARTMENT OF NATIONAL AND REGIONAL SECURITY

Lecturing and research activities at the fields of National Security and Defence Economics, Defence Acquisition, Innovations, Civil Emergency Planning

EDUCATION AND TRAINING

02/2009 Sofia, Bulgaria
PHD, ECONOMICS AND MANAGEMENT (DEFENCE AND SECURITY) University of National and World Economy

Address 1700, Sofia, Bulgaria ｜ **Website** https://konkursi.unwe.bg/GraduatedCompetitors/DoctorDetails ｜

Field of study Defence Economics ｜ **National classification** Higher Attestation Commission ｜

Thesis Possibilities for Improvements of the Defence Acquisition System in Bulgaria

08/2015 London
INSIDER THREATS AND SECURITY CULTURE Kings College

Course for nuclear security educators and trainers held in Marrakech, Morocco

11/2014 United States
NUCLEAR SECURITY CULTURE: THEORY AND PRACTICE Center for International Trade and Security, The University of Georgia

Course for nuclear security educators and trainers held in Sofia, Bulgaria

03/2008 Munich, Germany
TRAINING OF TRAINERS

The Training Course held in Munich, Germany within NATO Project SfP-982063 "Management of Security Related R&D in Support of Defence Industrial Transformation

04/2004 – 08/2004 Bonn, Germany
RESEARCH FELLOWSHIP Bonn International Center for Conversion (BIC)

Research Project "ESPD: Democracy", FP5

09/1997 – 09/2001 Sofia, Bulgaria
BACHELOR'S DEGREE University of National and World Economy

Defence and Security Economics

Address 1700, Sofia, Bulgaria

LANGUAGE SKILLS

Mother tongue(s): **BULGARIAN**

Other language(s):

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken production	Spoken interaction	
ENGLISH	C2	C2	C2	C2	C2
RUSSIAN	C1	C2	B1	B1	B1

Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user

DIGITAL SKILLS

OS and Server Administration

Major Linux and BSD Distributions ｜ GIS Servers and Map Services Instalation and Administration ｜ Web servers Apache, Nginx ｜ RStudio and Shiny Servers

Development

R and Python Text and Data Mining ｜ Web Scraping Applications ｜ R and Python Based Interactive Applications ｜ Web Designing & Web Development

Programming Skills

R Statistical Language and Software Platform ｜ Python

PUBLICATIONS

Publications

I have more than 40 publications, including two books. 25 publications are in English laguage.

Books

Penchev G., Shalamanov V. "Design of Bulgarian National Academic Cyber Network in the NATO and EU Context." In Information Security in Education and Practice, edited by Kalinka Kaloyanova, 1st ed., 153. Cambridge Scholars Publishing, 2021.
V. Shalamanov, and G. Penchev. "Methodology for Organisational Design of Cyber Research Networks." In *Digital Transformation, Cyber Security and Resilience of Modern Societies*, edited by Todor Tagarev, Krassimir T. Atanassov, Vyacheslav Kharchenko, and Janusz Kacprzyk, 25–47. Cham: Springer International Publishing, 2021. https://doi.org/10.1007/978-3-030-65722-2_3.
Penchev, G., "Defence Expenditures and Budget Allocation", Avangard Prima, Sofia, 2017, pp. 208, ISBN 978-619-160-791-4 (in
Bulgarian)
Penchev, G., "Defence Acquisition", Avangard Prima, Sofia, 2010, pp. 218, ISBN 978-954-323-708-1 (in
Bulgarian)

Articles (Selected)

Shalamanov V., Penchev G. "Methodology for Organisational Design of Cyber Research Networks." In *Digital Transformation, Cyber Security and Resilience of Modern Societies*, edited by Atanassov K.T., et all, 1st ed., 84:485. Studies in Big Data. Springer International Publishing, 2021. doi://10.1007/978-3-030-65722-2.
Shalamanov V., Matern S., Penchev G. Digitalization and Cyber Resilience Model for the Bulgarian Academy of Sciences. In: Tagarev T, Atanassov KT, Kharchenko V, Kacprzyk J, eds. *Digital Transformation, Cyber Security and Resilience of Modern Societies*. Springer International Publishing; 2021:77-92. doi: 10.1007/978-3-030-65722-2_6
Penchev G, Shalamanova A. A Governance Model for an EU Cyber Security Collaborative Network – ECSCON. *Information & Security: An International Journal*. 2020;46:99-113. doi:10.11610/isij.4607
Dimitrov D, Penchev G, Bogomilova E. GIS Application for Economic Assessment of Direct Disaster Losses. In: Murayama Y, Velev D, Zlateva P, eds. *Information Technology in Disaster Risk Reduction*. Springer International Publishing; 2019:123-135.
Penchev, G., Using Space Syntax for Estimation of Potential Disaster Indirect Economic Losses, Comparative Economic Research, Vol. 19, No. 5, De Gruyter, 2016, https://doi.org/10.1515/cer-2016-0041
Penchev, G. , Exploring Economic and Spatial Dependencies of Crime Rates in Europe on NUTS3 Level, Folia Oeconomica, Lodz, 2015, https://czasopisma.uni.lodz.pl/foe/article/view/323

NETWORKS AND MEMBERSHIPS

04/2014 – CURRENT Vienna, Austria
Nuclear Security Education Network (INSEN)

The [International Nuclear Security Education Network (INSEN)](#) is a partnership through which the IAEA, educational
and research institutions, as well as other stakeholders cooperate to promote sustainable nuclear security education.

12/2015 – CURRENT Vienna, Austria
Nuclear Security support Centres Network (NSSCNetwork)

The IAEA works with States to establish national [Nuclear Security Support Centres (NSSCs)](#) to strengthen the

sustainability of nuclear security. The International Network for Nuclear Security Training and Support Centres (NSSC
Network) facilitates cooperation among NSSCs.

ORGANISATIONAL SKILLS

Organisational skills

As researcher I lead two scientific university project and took part in organisation of more than 40 scientific and research projects and more than 30 conferences and events.

COMMUNICATION AND INTERPERSONAL SKILLS

Communication and interpersonal skills

Excellent communication skills which were gained from my experience as lecturer and researcher.

JOB-RELATED SKILLS

Job-related skills

- Excellent Team Work skills;
- Excellent Mentoring skills;
- Excellent Communication and Mediation skills.

RESEARCH AREAS

Research Areas

Defence and Security Economics, Public Choice Theory
Spatial Econometrics
Economic Aspects of Disaster and Crises Management
IT and GIS in Security and Education
Nuclear Security
Cybersecurity Governance and Management