

## PERSONAL INFORMATION



## Georgi Georgiev Penchev

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## WORK EXPERIENCE

Dec 2017–Present

**Associate Professor**

University of National and World Economy, Department of National and Regional Security, Sofia (Bulgaria)

*Lecturing and research activities at the field of security and defence, defence acquisition and innovation, Statal Analysis, Structural Equation Modeling, Business and GIS Information systems and technologies*

Jun 2009–Dec 2017

**Senior Assistant Professor**

University of National and World Economy, Department of National and Regional Security, Sofia (Bulgaria)

*Lecturing and research activities at the field of national security and defence, defence acquisition and innovation, Business and GIS Information systems and technologies*

Apr 2008–Oct 2011

**Administrative Secretary**

University of National and World Economy, Centre of Defence Strategic and Security Studies (CD3S), Sofia (Bulgaria)

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

Apr 2008–Jun 2009

**Chief Assistant Professor**

University of National and World Economy, Department of National and Regional Security, Sofia (Bulgaria)

*Lecturing and research activities at the field of national security and defence, defence acquisition, innovation, civil emergency planning*

Mar 2006–Jan 2008

**Technical Assistant**

Bulgarian Academy of Sciences, Institute of Communication and Information Technologies, Sofia (Bulgaria)

Apr 2005–Apr 2008

**Assistant Professor**

University of National and World Economy, Department of National and Regional Security, Sofia (Bulgaria)

*Lecturing and research activities at the field of national security and defence, defence acquisition, innovation, civil emergency planning*

## EDUCATION AND TRAINING

Feb 2009

**PhD, Economics and Management (Defence and Security)**

Higher Attestation Commission

Dissertation topic: „Possibilities for Improvements of the Defence Acquisition System in Bulgarian

Ministry of Defence"

Aug 2015	<b>Insider Threats and Security Culture</b> Kings College, London Course for nuclear security educators and trainers held in Marrakech, Morocco
Nov 2014	<b>Nuclear Security Culture: Theory and Practice</b> Center for International Trade and Security, The University of Georgia (United States) Course for nuclear security educators and trainers held in Sofia, Bulgaria
Mar 2008	<b>Training of Trainers</b> Munich (Germany) <i>The Training Course held in Munich, Germany within NATO Project SfP-982063 "Management of Security Related R&amp;D in Support of Defence Industrial Transformation"</i>
Apr 2004–Aug 2004	<b>Research Fellowship</b> Bonn (Germany) Bonn International Center for Conversion Research Project "ESPD: Democracy", FP5
Sep 1997–Sep 2001	<b>Bachelor's Degree</b> University of National and World Economy, Sofia (Bulgaria) Defence and Security Economics

#### PERSONAL SKILLS

Mother tongue(s) Bulgarian

Other language(s)	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	C2	C2	C2	C2	C2
Russian	C1	C2	B1	B1	B1
tlhIngan Hol	A1	A1	A1	A1	A1

Levels: A1 and A2: Basic user - B1 and B2: Independent user - C1 and C2: Proficient user  
Common European Framework of Reference for Languages

Communication skills Excellent communication skills which were gained from my experience as lecturer and as scientific projects and event's organiser.

Organisational / managerial skills As researcher I lead one scientific university project and took part in organisation of more than 20 scientific and research projects and more than 20 conferences and events.

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

## Digital skills

SELF-ASSESSMENT				
Information processing	Communication	Content creation	Safety	Problem solving
Proficient user	Proficient user	Proficient user	Proficient user	Proficient user

Digital skills - Self-assessment grid

I have more than 15 years of experience in following IT related activities:

- Installation and maintenance of Linux and BSD like OS – RedHat, Fedora, Debian, Ubuntu, Gentoo, FreeBSD, NetBSD, etc. ;
- Good Programming skills – Python and R Programming Language;
- Spatial and Network Analyses with GRASS GIS, SAGA GIS, R Spatial packages and others;
- Data and Text Mining – R, NLTK, paCY, Scikit, Python, and Solr, Elastic Search and Kibana;
- OLAP – MicroStrategy and Mondrian; Databases – MariaDB, PostgreSQL/PostGIS;
- Open Access Journal installation and maintenance.

## Other skills

Web Design – development, installation and maintenance of the following web-sites:

- Department of National and Regional security ;
- Centre of Defence Strategic and Security Studies (CD3S)

## ADDITIONAL INFORMATION

## Publications

Penchev, G., "Defence Expenditures and Budget Allocation", Avangard Prima, Sofia, 2017 (in Bulgarian)

Penchev, G., "Defence Acquisition", Avangard Prima, Sofia, 2010 (in Bulgarian)

*Main Articles and Reports:*

Penchev, G., "Accountability and Transparency of Armament Acquisition: Parliamentarian Oversight", International Workshop on Transparency of Defense Acquisition Accountability and Transparency, University Publishing „Stopnastvo“, Sofia, 2003

Penchev, G., "Public Tenders in Defence", „Transparency and Accountability in Defence Procurement", editor T. Tagarev, George Marshall – Bulgaria Association, Sofia, 2004 (in Bulgarian)

Penchev, G., „Defence Expenditures and Net Export", „Defence Expenditures and Economic Development", UP "Stopanstvo", Sofia, 2004 (in Bulgarian)

Penchev, G., "Private Financial Initiatives", "Public-private Partnership in Security Sector", UP "Stopanstvo", Sofia, 2008 (in Bulgarian)

Penchev, G., "The Business Process of R&D and Bulgarian Defence Acquisition System: Potential for improvement", "Policy and Models for R&D Management in Support of Defence Industrial Transformation", Avangard Prima, Sofia, 2008

Shalamanov, V., G. Penchev, I. Nikolova, "Role of the Center of Operational Analysis in Integration of Science, Industry, Government capacity to Support Integrated Security Sector in Bulgaria", "Business and Science for Security and Defence Industrial R&D", Avangard Prima, Sofia, 2009

Dimitrov, D. G.. Penchev, Mechanisms for Regional Cooperation in the Area of Defence and Security, The International High-Level Conference on Smart Defence – Pooling and Sharing: Eastern European View on Multinational and Innovative Approaches for Capabilities Development, 2 – 3 April, 2012, Sofia, Avangard Prima, 2012

Penchev, G., Decision Rules in Agent Based Modelling: Spatial and Economic Dependencies of Crime, International Conference on Application of Information and Communication Technology and Statistics In Economy And Education, UNWE, 2014

Zabunov, G. and G. Penchev, Relationship Real Estate Prices – Urban Security: Spatial Analyses and

Dependencies, Folia Oeconomica, Lodz, 2015

Penchev, G., Exploring Economic and Spatial Dependencies of Crime Rates in Europe on NUTS3 Level, Folia Oeconomica, Lodz, 2015

Penchev, G., Using Space Syntax For Estimation Of Potential Disaster Indirect Economic Losses, Comparative Economic Research, Vol. 19, No. 5, De Gruyter, 2016

#### Projects

##### *Project Leadership:*

Development and Tendencies on European Defence Market: Policy of EU and Bulgarian Opportunities, *University of National and World Economy (UNWE)*, 2009-2012

##### *Participation to International and National Projects:*

**Philip Morris International IMPACT Initiative**, Project: **Contraband & Counterfeit Risk Identification (Business Process Analysis and Spatial Aspect)**, UNWE Sofia, Department "National and Regional Security", Project Leader Prof. Dr. Dimitar Dimitrov, 2017–2019

**Project Grant № DFNI - I02/15 from 2014**, entitled "**Information System for Integrated Risk Assessment from Natural Disasters**", Bulgarian National Science Fund, 2015-2016

Participation to INSEN Working Group Meeting 2015 as an UNWE-Sofia representative, Vienna International Centre, Vienna, Austria, 25-27 February 2015

**NATO Public Diplomacy Division Project for organising of the East-West Defence & Security Co-operation Conference (EWDS)**, B2B and B2G Project for organization of international conference for the defence, security and aerospace sector, sponsored by international business consortium.

**NATO Public Diplomacy Division Project for organising of the International High-Level Sofia Conference on "Smart Defence – Pooling and Sharing: Eastern European View on Multinational and Innovative Approaches for Capabilities Development."**, UNWE-Sofia, Ministry of Defence – Bulgaria, Institute of Metal Science, Equipment and Technologies – Bulgarian Academy of Sciences and the George C. Marshall Association – Bulgaria, 2011-2012

**NATO Project SfP-982063 "Management of Security Related R&D in Support of Defence Industrial Transformation"**, 2006-2009

**Improvement of the Internal Control in Public Administration**, OPAC, 2008

**Computer Aided eXercise (CAX) "EU TACOM SEE 2006"**, DG "Environment", European Commission, 2006

**NATO Project SfP-981149 "Operations Research Support to Force and Operations Planning in the New Security Environment"**, 2006-2008

**EC FP5 Project "ESDP-Democracy"**, Bonn, Germany, 2004,

**Defence Policy Transparency**, US Embassy, Democracy Commission, George C. Marshall Associations – Bulgaria, May 2003 – March 2004

##### *University Projects:*

*Economic Assessment of Disaster Events*, UNWE-Sofia, 2013-2016

*Measurement of Security: Modern Approaches*, UNWE-Sofia, 2012-2014

*Methodology for Development of Web-based Integrated Information System for Disaster Risk Assessment*, 2012-2013

*Economic Aspects of Terrorism*, UNWE-Sofia, 2009-2012

*Public-private Partnership Policy in Security and Defence Sector, based on Private Activities*, UNWE-Sofia, 2005-2006

*Defence Expenditures and Economic Development*, UNWE-Sofia, 2003-2004

*Guidance for Estimation of Current Expenditures of Military Unit, Ministry of Defence, Department of National and Regional Security*, UNWE-Sofia, 2004

*Guidance for Economic Appraisal of the Armament and Equipment*, Ministry of Defence, Department of National and Regional Security, UNWE-Sofia, 2004.

*Defence Planning and Budget Transparency: Euro-Atlantic Dimensions*, UNWE-Sofia, 2001