


PERSONAL INFORMATION



University Prof. Vesna Antoska Knights, Dr.Sc.

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Web of Science ResearcherID: GYJ-5474-2022

WORK EXPERIENCE

October 2018 - to present:

University Associate Professor, Doctor of Science (PhD)

Field of Science and Technology Classification (10907): mathematical statistics and operational research, (10912) applied mathematics and mathematical modelling and other (10914)
Faculty of Technology and Technical Sciences – Veles,
University “St Clement Ohridski”, Bitola Republic of North Macedonia
Dimitar Vlahov bb, 1400 Veles, Republic of North Macedonia.
www.ttfv.uklo.edu.mk

Teaching subjects:

Mathematic, Mathematic 1, Mathematic2, Statistics, Modelling and Optimization, Automation and Control of Systems.

Current positions also held:

Head of Council of Doctorial (third cycle) Studies

at the Faculty of Technology and Technical Sciences, Veles.

Sep2013-October 2018

University Assistant Professor, Doctor of Science (PhD)

Field of Science and Technology Classification (10900): mathematical statistics and operational research, applied mathematics and mathematical modeling and other.

Faculty of Technology and Technical Sciences – Veles,
University “St Clement Ohridski”, Bitola Republic of North Macedonia
Dimitar Vlahov bb, 1400 Veles, Republic of North Macedonia.
www.ttfv.uklo.edu.mk

Teaching subjects:

Mathematic, Mathematic 1, Mathematic2, Statistics, Modelling and Optimization.

Positions also hold:

Vice Dean of Study and Education at the Faculty of Technology and Technical Sciences, Veles.
University Senator at the University “St. Clement Ohridski”-Bitola, Republic of North Macedonia.

2015 – 2017:

2022

Editorial Board

KUI, "Chemistry in Industry" a scientific journal and the official journal of Croatian Society of Chemical E (CSCE) and of Croatian Chemical Society (CCS).
<http://silverstripe.fkit.hr/kui/about-the-journal/editorial-office/>

2020

MC Member [CA19101 MK] to COST Action CA19101

The COST Action “Determinants of Physical Activities in Settings” (DE-PASS) is unique in focus, extent, constitution and as an effective Knowledge Transfer Platform (KTP). DE-PASS will focus on identifying, understanding and measuring the determinants which promote, maintain or inhibit Physical Activity Behaviours (PABs) across the lifespan and in different settings and translating this knowledge to assist policy-makers to achieve greater health impact. European and global society is now largely physically inactive. The health, economic and social benefits of a more active society are enormous. DE-PASS will illuminate why individuals and/or societies adopt a physically active or inactive lifestyle.

December 2019 **ERASMUS+ Programme**

Staff exchange for Teaching Assignment by the European Commission

5 working days in the course of the academic 2019/2020 year (started 05-12-2019 and end on 09-12-2019). In this period I had 8 hours of teaching at University of Zagreb, Faculty of Food Technology and Biotechnology, as a Seniority teaching staff (approx. > 20 years of experience).

Contact persons: Korana Jelavic, Head of IRO email: kjelavic@pfb.hr, and Antonio Starcevic, Vice Dean for International Collaboration, email: astar@pfb.hr.

Based on the Inter-institutional ERASMUS Agreement between **University of Zagreb – Zagreb (ERASMUS Code: HR ZAGREB01)** and **“St Kliment Ohridski” University – Bitola (ERASMUS Code: MK BITOLA01)**,

ERASMUS+ Programme for Staff exchange (Teaching Assignment) supports the staff mobility as part of its modernisation and internationalisation strategy and will recognise it as a component in any evaluation or assessment of the teaching staff member.

I as a Seniority teaching staff member share my experience, in particular its impact on my professional development in my higher education institution, as a source of inspiration to others.

President of the Self-Evaluation Commission at the Faculty of Technology and Technical Sciences, Veles

October 2008-jun 2013 **Teaching Assistant of Professor- Master of Science degree (MSc)**

Faculty of Technology and Technical Sciences – Veles,
University “St Clement Ohridski”, Bitola Republic of North Macedonia

Teaching subjects: **Mathematic, Mathematic 1, Mathematic2, Statistics, Modelling and Optimization, Technical operations.**

Jul 2007- Oct 2008 **Associate at the State Statistical Office of the Republic of Macedonia as a Government administration service employee**

Statistical Office of the Republic of Macedonia
Department for Environment, Energy and Transport
str. „Dame Gruev“ No.4 - Skopje
tel: +389 2 3295 600
email: info@stat.gov.mk

- Responsibility:**
- Organizes data gathered during statistical work including summarized findings, creates monthly reports (including charts and graphs);
 - Annual reports for Eurostat – “Energy Balance for Macedonia – IEA”(International Energy Agency) - Eurostat - UNECE- **Annual Questionnaires 2007 for Republic of Macedonia and Indicators of the 2007 electricity market**
 - Maintains databases of statistical information;
 - Sorts and maintains responsibly all information, as instructed by the supervisor;
 - Processes electronically information from the observation forms provided by the supervisor into electronic database, as instructed;
 - Statistical analysis;
 - Translates documents from and to English;
 - Attending in International projects (list is given below):

Member in the Work Groups elaborating the Environmental Indicators for Energy of the Republic of Macedonia Established under Decision no..10-2323/29 of 14 September 2007, (Ministry of Environment and Physical Planning.)

Jan 2007-jun 2007 **Local associate at World Bank**

- Responsibility:**
- Local associate for benefit **simulation modeling** for Conditional Cash Transfer project, supported by the World Bank and planned for FY09
- Maintains databases of statistical information of Social Protection System
 - Statistical analysis
 - research support and **simulation modeling**
 - Translates documents from and to English

Avg 2006-Avg 2007 **Associate at the Government of the Republic of Macedonia as a Government administration service employee**

- Responsibility:**
- Processes electronically information from the observation forms provided by the supervisor into electronic database, as instructed;
 - Statistical analysis;
 - Translates documents from and to English;

- Avg 2002-Avg 2005** Position as a Assistant of Professor at Faculty of Technical Science at University "St.Clement Ohridski"-Bitola, Macedonia. Teaching subjects: Descriptive Geometry, Steam Turbine, Steam Boilers, Power Plant Materials,. Bulletin 242 University "Sv. Climent Ohritski"-Bitola, from 31.10.2002
- Avg 1999-Avg 2002** Position as a Assistant of Professor at Faculty of Technical Science at University "St.Clement Ohridski"-Bitola, Macedonia. Teaching subjects: Descriptive Geometry, Graphical Materials. Bulletin 204 University "Sv. Climent Ohritski" - Bitola, from 07.09.1999
- Avg 1996-Avg 1999** Student Aid at Open Society Institute-Skopje, at project Student Information Center-Bitola

EDUCATION AND TRAINING

- 2008-2013 **Doctor of Technical Science** Doctor of Science
Robustness of a Semi-Humanoid Robot Posture with Respect to External Disturbances.
 Faculty of Electrical Engineering and Information Technology "Ss. Cyril and Methodius University" – Skopje, 2013
 with cooperation of Faculty of Electrical Engineering University of Belgrade.
 - Principal subjects covered or skills acquired: Mathematical modelling and numerical simulations
 - Application of simulation in MatLab.
- 1999-2004 **Master of Technical Science** Master of Science
Numerical Simulation of Flow into the Turbine Cascade and around the Blade,
 Faculty of Technical Science at University "St.Clement Ohridski"- Bitola, Macedonia, 2004 , with cooperation of Institute of Turbomachinery, Tech. University of Lodz, Poland.
 - Principal subjects covered or skills acquired: Mathematical modelling and numerical simulations
 - Application of simulation software *CFX - TASCflow* Technical University, Lodz, Poland
 - Application of simulation software *Fluent* - Mechanical Faculty Skopje, University St Kiril and Methody, Skopje, Republic of North Macedonia.
- 1991-1996 **Bachelor Degree of Technical Science – Mechanical Engineer,** Faculty of Technical Science at University "St.Clement Ohridski"- Bitola, Macedonia, 1996. Bachelor degree of science
- 1986-1991 Award as a talented student with continuum excellent marks through education at (high school) college (Gymnasia "Josip Broz-Tito-Bitola) Diploma of Graduated High School
- 1978-1986 Award as a talented pupil with continuum excellent marks through education at primary and middle school (OU "Kole Kaninski"-Bitola). Diploma of Graduated Primary and Middle School

PERSONAL SKILLS

Mother tongue(s) Macedonian

Other language(s)	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	C	C	C	C	C
German	A	A	A	A	A

Communication skills ▪ good communication skills, strong oral skills as a lectures and presentations

Digital skills

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

▪ Excellent knowledge of computer science: Application of simulation software *CFX* -, *TASCflow* for Numerical Simulation of Flow in Turbomachinery, Lodz; (Poland) 2004; Application of simulation software *Fluent*- Faculty of Mechanical Science, "St.Kiril and Methody"- Skopje, 2003; *Auto CAD*; *Access-database*; *Solid Works*; *Windows*; *maintaining Computers Network*; *Corel*; *Adobe*; *Advance knowledge of MS Office (Word, Excel, Power Point)*; Knowledge of *programing C++*; Basic knowledge of *UNIX Systems (Solaris)*.

Driving licence category: B

ADDITIONAL INFORMATION

Publications

Vesna Antoska Knights, Zoran Gacovski (2023). Fuzzy Rule-Based System as a Method of Modeling for Estimation Quality of the Vardar River. *American Academic Scientific Research Journal for Engineering Technology and Sciences* 91 (1).

Gordana Markovikj, Vesna Knights, Jasenka Gajdoš Kljusurić (2023). **Ketogenic diet applied in weight reduction of overweight and obese individuals with progress prediction by use of the modified Wishnofsky equation.** *Nutrients* 15 (4), 927 IF 7 (Web of Science)

Vesna Antoska Knights, Jetmira Millaku (2023). **Three-factor experimental design as a tool in Applied Statistics.** *International Journal of Statistics and Applied Mathematics*. 8(1): 46-49. <https://doi.org/10.22271/math.2023.v8.i1a.929>

Vesna Antoska-Knights, Zoran Gacovski, Stojce Deskovski, (2022). **Mobile Robot Guidance and Control System using Fixed Potentials.** *Journal of Intelligent Computing* Vol.13, No 1, pp 1-9

Gordana Markovik, Vesna Knights, (2022). **Model of optimisation of the sustainable diet indicators.** *Journal of Hygienic Engineering and Design*. Vol. 39, pp 169-175

Elena Gavrilovska, Vesna Knights, Vera Simovska, Ninoslav Ivanovski, (2022). **Stataistical analysis concerning the importance of a low protein diet in the progression of chronic kidney disease.** *Journal of Hygienic Engineering and Design*. Vol. 39, pp 116-121

Indrit Loshi, Valon Shala, Arsim Elshani, Astrit Bilalli, Burel Cenaj, Vesna Antoska Knights, Tatjana Blazevska, Marija Menkinoska (2021). Presence of listeria monocytogenes, escherichia coli and salmonella spp. in processed meat in Kosovo. *Journal of Hygienic Engineering and Design*, Vol. 37, pp. 25-36. UDC 637.5.065(497.115)

Olivera Petrovska, Vesna Antoska Knights, Stojche Deskovski, (2021), **Mathematical Model for Aircraft Functioning using GPS,** *Journal of Data Processing*, Vol. 11, No 4, pp 104-112. DOI: 10.6025/jdp/2021/11/4/104-112

Vesna Antoska-Knights, Olivera Petrovska, Stojce Deskovski, (2020)“ **Mathematical Modelling and Simulations of Path Planning and Obstacles of Mobile Robot**” - *South East European Journal of Sustainable Development*. ISSN: 2545-4463, Vol 4, No1, pp. 9-15.

Olivera Petrovska, Andon Petrovski, Vesna Antoska Knights, Jovan Hristovski (2020). **“Introducing traffic calming measures and increasing traffic safety in the school zones – “11th October” primary school in Skopje”** - *South East European Journal of Sustainable Development*. ISSN: 2545-4463, Vol 4, No1, pp. 16-27,

Gordana Markovik, Vesna Knights, Daniela Nikolovska Nedelkovska, Dragan Damjanovski (2020). **Statistical analysis of results in patients applying the sustainable diet indicators .** *Journal of Hygienic Engineering and Design*, Vol. 30, pp. 35-39.

Jurina, Tamara ; Šain, Adela ; Valinger, Davor ; Gajdoš Kljusurić, Jasenka ; Benković, Maja ; Jurinjak Tušek, Ana ; Kurtanjek, Želimir ; Antoška Knights, Vesna, (2019), **Principal component regression vs. partial linear squares regression in prediction modelling**, Book of Abstracts BIostat 2019 – 24th International Scientific Symposium on Biometrics , pp. 30-30.

Vesna Antoska-Knights, Olivera Petrovska, (2019) **Mathematical and Numerical Model of Steam Turbine for Sustainable Energy Solution**. South East European Journal of Sustainable Development. ISSN: 2545-4463, Vol 3, No1

Olivera Petrovska, Vesna Antoska Knights, Andon Petrovski, Jovan Hristoski, (2019) **Intelligent Vehicles**. South East European Journal of Sustainable Development. ISSN: 2545-4463, Vol 3, No1

Damjanovska Gligorova, Severova, Cakalaroski, Antovska-Knights, Danilovska, Simovska V, Ivanovski N, **Beneficial short term effect of low protein diet on chronic kidney disease progression in patients with chronic kidney disease stage G3a. A pilot study**, (2018). **Quarterly Medical Journal - ISSN 1108 4189 e-ISSN 1790 8019 HIPPOKRATIA 2018**, 22, 4: 178-182

Vesna Antoska-Knights, Zoran Gacovski, Stojce Deskovski, Olivera Petrovska, (2018) **Guidance and Control System for Platoon of Autonomous Mobile Robots**, Journal of Electrical Engineering. ISSN: Vol 6 No 5, pp. 281-288, Sep-Oct, 2018.
(DOI: 10.17265/2328-2223/2018.05.000)

Older than 5 years
Publications

Olivera Petrovska, Vesna Antoska-Knights, Zoran Gacovski, Stojce Deskovski (2017), **Information and Communication Technologies Implemented in Smart Cars**, South East European Journal of Sustainable Development. ISSN: 2545-4471, Vol 1, No1, pp. 74-80,.

Vesna Antoska-Knights, Zoran Gacovski, Stojce Deskovski, **Obstacles Avoidance Algorithm for Mobile Robots, Using the Potential Fields Method**, Universal Journal of Electrical and Electronic Engineering. ISSN: 2332-3299, Vol 5No 4, pp. 75 – 84, Dec, 2017.
(DOI: 10.13189/ujeee.2017.050402)

Vesna Antoska-Knights, Zoran Gacovski, Stojce Deskovski, **Guidance and Control System for Platoon of Autonomous Mobile Robots**, ICEST, **International Conference** -Nis, Serbia, 28-30, jun 2017.

Suzana Rimac Brnčić, Jasenka Gajdoš Kljusurić, Daniela Nikolovska Nedelkoska, Vesna Antoska Knights, Marija Badanjak Sabolović (2017),
FUNCTIONAL FOOD AWARENESS AND PERCEPTIONS AMONG CROATIAN AND MACEDONIAN UNIVERSITY STUDENTS: DIFFERENCES BY COUNTRY OF RESIDENCE AND FACULTY OF STUDY, Book of abstract -10th International Scientific and Professional Conference WITH FOOD TO HEALTH, pp 51.

Vesna Antoska-Knights, Zoran Gacovski, Stojce Deskovski, **Trajectory Following and Obstacles Avoidance of a 4-wheeled Mobile Robot's Movement**, **ETA I** , XIII International Conference, Struga, RM, sep, 2016.

Vesna Antoska-Knights, Zoran Gacovski, Stojce Deskovski, **Mobile Robot Guidance in Presence of Obstacles, using the Potential Fields Method**, ICEST- International Conference, Ohrid, RM, 28-30, jun 2016.

Vesna Antoska Knights, Mile Stankovski, Stojance Nusev, Dragana Temeljkovski, Olivera Petrovska, **Robots for safety and health at work**. International Conference for Regional Collaboration, Ohrid, Macedonia 2015. ISBN 978-608-4624-18-9, COBISS.MK-ID.
Proceeding:(http://mk.balkanoshconference.org/images/dokumenti/zbirka_trudovi.pdf)

Olivera Petrovska, Vesna Antoska Knights, Stojche Deskovski, **Сателитски навигациски систем за автоматско слетување на воздухоплов**, **ETA I** 2015, IX International Conference, Ohrid, Macedonia 2015

O. Petrovska Ph.D, V. Antoska Knights prof. Ph.D., S. Deskovski **Automatic Aircraft Landing**

using GPS-Based Technology, 13 Evropski prometni kongres, Zagreb, Hrvatska, 22-24 travnja 2015.

Olivera Petrovska, Stojche Deskovski, Vesna Antoska Knights, **Algorithm For Automatic Aircraft Landing Using Gps** VII Int. Sci. Conf. & IV Int. Symposium of Young Researches „Transport Problems'2015“. Katowice: Faculty of Transport, Silesian University of Technology. 2015. 901 p. ISBN 978-83-935232-6

V. Antoska, K. Jovanovic, V. Petrovic, N. Bascarevic, M. Stankovski, **Balance Analysis of the Mobile Anthropomorphic Robot Under Disturbances – ZMP Approach**, International Journal of Advanced Robotic Systems (InTech), Vol. 10, Paper 206, pp. 1-10, 2013. WorldWideScience.org Results: (<http://worldwidescience.org/www/desktop/en/ostibleue/results.html>); (<http://journals.sagepub.com/doi/abs/10.5772/56238>)

Older than 5 years Publications

V. Antoska, V. Potkonjak, M. J. Stankovski, N. Baščarević **Robustness of a Semi-Humanoid Robot Posture with Respect to External Disturbances**, Journal FACTA, Serbia, 2012

V. Antoska, V. Potkonjak, M. J. Stankovski, N. Baščarević **Robustness of a Semi-Humanoid Robot Posture with Respect to External Disturbances**, International SAUM 2012 Conference, on Systems, Automatic Control and Measurements Nis, Serbia, November 14th-16th, 2012.

Veljko Potkonjak, Marija Tomic, Aleksandar Rodic, Vesna Antoska **Human and Humanoid Motion - Distinguish Between Safe and Risky Mode of Locomotion**, IEEE CSS MSC2012, Dubrovnik, Croatia 2012.

Veljko Potkonjak, Marija Tomic, Aleksandar Rodic, Vesna Antoska, **Human and Humanoid Motion – Distinguish Between Safe and Risky Mode of Locomotion**, Proc. 10th IFAC Symposium on Robot Control (SYROCO 2012), Dubrovnik, Croatia, September 2012., pp 524-529.

V. Antoska, B. Donevski, R. Chodkiewicz., **Numerical Simulation of the Fluid Flow between Blades and around the Turbine Blades**, World Journal of Engineering, ISSN: 1708-5284, Vol.5, No.4, 2008, ICCE-17 USA, 2008.

V. Antoska, B. Donevski, R. Chodkiewicz. **Numerical Simulation of the Fluid Flow between Blades and around the Turbine Blades**. International symposium “ENERGETICS” 2006 -ZEMAK, Ohrid, Macedonia, 2006.

V. Antoska “*Derivation of the conservation laws of mass, momentum and energy in combination with Newtonian Lows*“. International Summer Academy for talent students and postgraduate students, supported by DAAD, Petrovec, Montenegro, 2001

Statistical Review of the Social Protection System in the Republic in Macedonia, simulation modeling provided by Vesna Antoska., Ministry of Labor and Social Policy, R.Macedonia , 2008

V. Antoska **Definitions and Methodology of Energy-generating product**, State Statistical Office Publications, R.Macedonia 2007

V. Antoska and all., 2007 **Environmental statistic, 2007**, State Statistical Office Publications, R.Macedonia, project by SIDA.

Others Publications

1. Vera Simovska, Vesna Antoska Knights, Tanja Blazevska, Dragan Damjanovski, Andrej Simovski, *Development of Academic Education of Nutritionists in the Republic of Macedonia. An International Review Journal: Advances in Nutrition*, Volume 7, Issue 1, 1 January 2016, Pages 24A. <https://doi.org/10.1093/advances/7.1.24A>, Oxford Academy, 07 January 2016.

2. Gorica Pavlovska, Violeta Ognenovska, Vezirka Jankuloska, Vesna Antoska Knights **Whether, when and why the population of the pelagonia region used artificial sweeteners**

- and how they know them? Journal of Hygienic Engineering and Design** – JHED, Skopje, RM 2016. UDC 613.29:664.16(497.774/.775)
3. Gorica Pavlovska, Vezirka Jankuloska, Vesna Antoska Knights Differences in Chemical Parameters of Cold Pressed Oil and Refined Cooking Oil Macedonian Journal of Animal Science 2016 Vol.6 No.1 pp.47-50 ref.17
 4. V. Antoska Knights, and all."Advanced Statistical Analysis with Examples of Physical Active and Sedentary School-Aged Children", International Journal of Research Kinesiology, 2015.
 5. V. Simovska, V,Antoska Knights and all." Disparities in food habits and physical activity levels among adult population in the Republic of Macedonia and developing a new health promotion model ", International Journal of Research Kinesiology, 2015.
 6. V. Antoska Knights, V.Simovska, Mathematical Modeling and Optimisation in Nutrition, abstract, Journal of Nutritional Disorders&Therapy, 2015 ISSN: 2161-0509 (Frankfurt Germany 2015)
 7. Vera Simovska^{1*}, Vesna Antoska- Knights¹, Aleksandra Leova¹, Tatjana Blazevska¹ **NUTRITIONAL STATUS, SOME FUNCTIONAL AND BIOCHEMICAL PARAMETERS AT SCHOOL-AGED CHILDREN FROM 7 TO 14 YEARS OLD FROM THE CENTRAL REGION OF SKOPJE** *Journal of Hygienic Engineering and Design* – JHED, Skopje, RM 2014.
 - 6 Gorica Pavlovska^{1*}, Emilija Dukovska¹, VesnaAntoska Knights¹, Vezirka Jankuloska¹ **INFLUENCE OF TEMPERATURE AND TIME OF STORAGE ON AMOUNT OF VITAMIN C IN STRAWBERRIES** Conference of NUTRICON 2014, *Journal of Hygienic Engineering and Design*, RM, 2014.

Conferences

- Vesna Antoska Knights, Tatjana Kalevska (2022). **Applied statistics as a tool in quality control on advanced production**. 2nd International conference on advanced production and processing – ICAPP, Proceedings Book. Faculty of Technology Novi Sad, Novi Sad, Serbia
- Vesna Antoska Knights, Jetmira Millaku (2022). **Three-factor experimental design as a tool in Applied Statistics**. The 3rd International Conference of Applied Statistics. Proceedings Book. Vol. 1, No 1, pp 213-218. ISBN: 978-975-7328-85-8
- Vesna Knights, Olivera Petrovska, Stojce Deskovski, Mathematical modelling and Simulations of path planning and obstacles of mobile robot, The 3th International Conference Towards Sustainable Development (Tsd'2018), Skopje, North Macedonia, 2019.
- Olivera Petrovska, Andon Petrovski, Vesna Antoska Knights and Jovan Hristoski, Introducing traffic calming measures and increasing traffic safety in the school zones – "11th October" primary school in Skopje, The 3th International Conference Towards Sustainable Development (Tsd'2018), Skopje, North Macedonia, 2019.
- Tamara Jurina¹, Davor Valinger¹, Jasenka Gajdoš Kljusurić¹, Maja Benković¹, Ana Jurinjak Tušek¹, Želimir Kurtanjek¹, Vesna Antoška Knights² *Principal component regression vs. partial linear squares regression in prediction modelling*, 24th International Scientific Symposium on Biometrics Zagreb, Croatia, 5 - 8 June 2019
- Vesna Antoska-Knights, Olivera Petrovska, Mathematical and Numerical Model of Steam Turbine for Sustainable Energy Solution. The 2nd International Conference Towards Sustainable Development (Tsd'2018)
- Olivera Petrovska, Vesna Antoska-Knights, **Intelligent Vehicles**. The 2nd International Conference Towards Sustainable Development (Tsd'2018).
- Vesna Antoska-Knights, Zoran Gacovski, Stojce Deskovski, Guidance and Control System for Platoon of Autonomous Mobile Robots, ICEST, International Conference -Nis, Serbia, 28-30, jun 2017

- Vesna Antoska-Knights, Zoran Gacovski, Stojce Deskovski **Trajectory** Following and Obstacles Avoidance of a 4-wheeled Mobile Robot's Movement, ETAI , XIII International Conference, Struga, RM sep, 2016.
- Vesna Antoska-Knights, Zoran Gacovski, Stojce Deskovski, Mobile Robot Guidance in Presence of Obstacles, using the Potential Fields Method, ICEST, Ohrid, RM, 28-30, jun 2016.
- Olivera Petrovska, Vesna Antoska Knights and Stojche Deskovski, Application of Automatic Landing using GPS-GBAS, ICEST, Ohrid, RM, 28-30, jun 2016.
- Vesna Antoska Knights, Mile Stankovski, Stojance Nusev, Dragana Temeljovski, Olivera Petrovska, Robots for safety and health at work, International Conference for Regional Collaboration, OSH BON TON, Ohrid, ISBN 978-608-4624-18-9, 2015.
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Projects Management committee at COST from Macedonia CA19101 - Determinants of Physical Activities in Settings (DE-PASS) <https://www.cost.eu/actions/CA19101/#tabs+Name:Management%20Committee>

- **EU** European Regional Development Fund of the BalkanMed programme, Benefit if you Save.2017-2021. Subsidy Contract Code <BMP1/2.2/2265/2017> MIS code <5011449>
- **EU -Twining project:** Developing Cooperation between Higher Education Institutions, the Private Sectors and Relevant Public Bodies. MK 13 IPA SO 01 16 R. 2017
- **EU -Twining project:** Further Improvement of the System for Development and Implementation of the National Qualifications Framework. IPA SO 02 15. 2017
- **FP7/2007–2013**–Challenge 2–„Cognitive Systems, Interaction, Robotics“ –no. 231864 – ECCEROBOT. (www.eccerobot.org);
- **EU -TEMPUS project.:** FOODLINKS, 158714-TEMPUS-ES-TEMPUS-JPHES (www.foodlinks.eu),
- **World Bank project FY09,** Macedonia Conditional Cash Transfer Project (CCTP), Ministry of Labor and Social Policy, R.Macedonia, 2008.
- Statistical German **Twining project:** Standardization of metadata exchange , 2008.
- Statistical Sweden **Twining project:** UML(Unified Modeling Language) - (Draft and development of special statistical software), 2008.
- **EU Statistical project-** SIDA: Environmental statistic, 2007, State Statistical Office, R.Macedonia, 2007.
- **DAAD project** , SimLab - Parallel Numerical Simulation, Belgrade, 2004.
- **DAAD project** , SimLab - Parallel Numerical Simulation, Faculty of Technical Sciences, University St. Kliment Ohridski, Bitola, 2003.
- **International University project:** "Computer Simulation of Flow and Heat Transfer in wet Cooling Towers", Faculty of Technical Sciences, University St. Kliment Ohridski, Bitola. 2000-2003.
- **International University project:** "Methods for Modeling and Simulation of Flow and Heat Transfer Processes in Steam Turbines". Faculty of Technical Sciences, University St. Kliment Ohridski, Bitola. 1998-2000

- Courses**
1. V. Antoska Knights, V. Simovska, Mathematical Modeling and Optimisation in Nutrition, abstract, Symposium/Preconference Workshop in Macedonia, June 26-27, 2015.
 2. International Short Course-SimLab on *Parallel Numerical Simulation*, University of Stuttgart, 2004.
 3. International Short Course-SimLab on *Parallel Numerical Simulation*, University of Stuttgart and University "Sv. Kliment Ohridski"-Bitola, Bitola 2003
 4. Certificate for Training course for *modeling with CAD/CAE tools*, software package-SolidWorks, Euro regional technology center-Bitola, 2003;
 5. Certificate of participation of International Short Course-SimLab on *Parallel Numerical Simulation*, organized by University of Stuttgart and University of Belgrade, Belgrade 2003
 6. ECS Digital-Ckonje, using of UNIX system Solaris, 2002

International Summer Academics

- Memberships**
- UNESCO - ENEA Training Course on Renewable Energy for Eastern European and South Mediterranean Countries; Italy, 2005; N° 107087; Certificate of participation of International Summer School on Direct Application of Geothermal Energy, Zakopane, Poland 2004; International Summer Academy, for Geothermal and Solar Energy, Turkey, June, 2003; International Summer School GREECE 2002; Possibilities of geothermal development of Aegean Islands 2002;
- International Summer Academy for talent student and postgraduate student, supported by DAAD, Petrovec, Montenegro, 2001.
- UNESCO - ENEA Training Course on Renewable Energy for Eastern European and South Mediterranean Countries; Italy, 2005; N° 107087
Member of Macedonian Engineer Association ZEMAK Macedonia;
Member of MAGA (Macedonian Geothermal Association) N°15;

- Honours**
- Short monograph in International Journal of Advanced Robotic Systems, InTech, **2014**, Represented as a Women involve Robotics and Supporting and Collaboration with it.