

## **CURRICULUM VITAE**

### **PERSONAL DETAILS**

**NAME:** **ASS. PROF. D.SC. ARSOV B. BORIS**

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**DATE OF BIRTH:** 22<sup>nd</sup> of July 1972, Skopje, Macedonia, Europe

**NATIONALITY:** Macedonian

**CITY/STATE:** Skopje, Macedonia, Europe,

**LANGUAGES:** Fluent English (spoken and written), Macedonian (native language)

**QUALIFICATIONS:** B. Sc in Electrical Engineering, Electronic and Telecommunications, Faculty of Electrical Engineering Skopje, University of St. Cyril and Methodius, Macedonia, Europe; (1990-1997)

Master's degree in Economic Science, Financial Management, Economic Institute, University of St. Cyril and Methodius, Macedonia, Europe; (2004-2009)

Doctor of Economic Science, Economic Science and Management, Economic Institute Skopje, University of St. Cyril and Methodius, Macedonia, Europe; (2009-2013)

B.Sc. of economics and accounting, Management and small businesses, Faculty of economic science, International Slavonic University in Sv Nikole - Bitola, Macedonia, Europe; (2010-2013)

Master degree for Electrical engineering Science: Regulation in energy (power supply), electronic communications and traffics, Faculty of Electrical Engineering & Information Technologies, University of St. Cyril and Methodius, Skopje, Macedonia, Europe; (2018-2020)

Doctor of technical engineering and science: Communication systems and networks, Faculty of electronics and communications, Technical University in Gabrovo – Bulgaria, Europe (2022-2024)

**ACADEMIC TITLE:** Ass Professor for financial management (2016-2019) at the International Slavonic University Sv Nikole - Bitola, Macedonia, Europe;

Ass Professor for electronic communications (2025-Present) at the International Slavonic University Sv. Nikole - Bitola, Macedonia, Europe;

## CAREER HISTORY

**Company name:** “STD MB Boris” TV Services, from 12/14/1995 to 11/11/1998, as a Manager. Mainly involved in electronics services such as services for TV sets, radios, video-recorders, CD players and electronic devices.

**Company name:** AD Makedonski Telekomunikacii Skopje, Macedonia, Europe

**Company profile:** Joint Stock Company for Telecommunication services for fix networks

**Owner:** State Company owned by Macedonian Government

**Position 1:** Senior associate for Transmission systems, Department for Investments, Group for Transmission Systems

**Tasks:** Actively supervised, conducted site surveys, and coordinated activities for the installation of transmission systems. Prepared monthly and annual reports for investment projects.

**Period: (1998-2001)**

**Position 2:** Coordinator II for purchasing in the technical group in Procurement Department, Centre for Material Management, Finance Area

**Tasks:** Managed the procurement of materials and technical equipment, including transmission systems, network equipment, digital exchanges, security systems, and IT hardware. Liaised with end-users within the company and negotiated with vendors. Prepared and announced tender procedures, coordinated tender evaluations with the team, and provided technical support for contract preparation. Collaborated with warehouses and export/import units to ensure smooth logistics.

**Important projects in fix networks:** Purchasing ADSL equipment (CPE and COE), Upgrade SW and HW for EWSD Siemens exchanges and Alcatel E-10, Purchasing equipment and following the projects connected with SDH and PDH systems, Number portability, Max ADSL, IPTV, Lawful Interception

**Period: (2001-2008)**

**Company name:** Agency for electronic communications Skopje, Macedonia, Europe;

**Company profile:** Independent Regulatory body for telecommunication services

**Owner:** Parliament of the State

**Position 1:** Senior Expert for public electronic communication networks in Telecommunication Department

**Tasks:** Monitored projects for building public communication networks and provided recommended implementations. Reviewed reports on public voice service quality. Proposed initiatives and suggestions to align regulations with EU telecommunications standards. Prepared reports for the development of the telecommunications market.

**Period: (05/01/2009 – 07/02/2010)**

**Position 2:** Head of division for customer care

**Tasks:** Prepared reports on customer numbers and feedback regarding the quality of services provided by public communication network operators. Collaborated with the team to ensure customer satisfaction, addressing issues and resolving complaints in accordance with the Law on Electronic Communications.

**Period: (07/02/2010 – 08/02/2010)**

**Company name:** Broadcasting Council of Macedonia, Europe

**Company profile:** Independent Regulatory body for electronic media services

**Owner:** Parliament of the State;

**Position:** Member of the Council (Named member from the Parliament of Macedonia, according the Law for broadcasting)

**Tasks:** Monitored the activities of the electronic media in Macedonia (Radio and TV media), according the Law for broadcasting and making decisions.

**Period:** (08/02/2010 – 01/01/2014)

**Company name:** Agency for audio and audiovisual media services, Skopje, Macedonia, Europe<sup>1</sup>

**Company profile:** Independent Regulatory body for electronic media services

**Owner:** Parliament of the State

**Position:** Acting member of the Council in the Agency

**Tasks:** Monitored the activities of the electronic media in Macedonia (Radio and TV media)

**Period:** (01/01/2014 –07/02/2014)

**Company name:** Agency for electronic communications Skopje, Macedonia, Europe

**Company profile:** Independent Regulatory body for telecommunication services

**Owner:** Parliament of the State

**Position 1:** Head of General and Administrative Matters Division

**Tasks:** Monitored the condition of all Agency assets and materials, preparing reports on their functionality. Managed repair and maintenance activities for all Agency facilities and systems

**Period:** (07/02/2014 –06/10/2015)

**Position 2:** Head of Telecommunications Department

**Tasks:** Review projects for building public communication networks and provide recommendations for implementation. Evaluate documents and reports on the quality of public voice and data services. Assess proposals and initiatives for compliance with EU telecommunications regulations. Review reports and suggestions for telecommunications market development. Advise on amendments to the Law on Electronic Communications and related regulations to promote market liberalization and improve customer services.

**Period:** (06/10/2015 -Present)

#### **Additional Working activities and experience:**

**Company name:** AD MEPSO Skopje, Macedonia, Europe

**Company profile:** Joint Stock Company (Electricity Transmission System Operator of Macedonia)

**Owner:** State Company owned by Macedonian Government

**Position:** Member of the Monitoring Committee (Member of Board of Directors), Named from the Government of the Republic of Macedonia

**Tasks:** Supervised and approved the company's operational activities, financial reports, and work plan.

**Period:** (09/10/2006 – 07/31/2010)

**Company name:** Faculty of Natural Sciences and Mathematics, Skopje

**Company profile:** Institution for education

**Owner:** University of St. Cyril and Methodius, Macedonia, Europe

**Position:** Guest professor for teaching in the summer semester 2013/2014

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<sup>1</sup> Broadcasting Council of Macedonia change the name in Agency for audio and audiovisual media services, Skopje, according the new Law for audio and audiovisual media services,

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**Tasks:** Taught wireless and mobile technologies and networks, and group of information and computer technologies

**Period:** (02/17/ 2014 – 02/17/2015)

**Company name:** Faculty of Economic Science, Sv Nikole, Macedonia, Europe;

**Company profile:** Institution for education

**Owner:** Private International Slavianic University Gavrilo Romanovic Derzavin, Sv Nikole - Bitola, Macedonia

**Position:** Docent Doctor (Associate professor)

**Tasks:** Taught management of professional risks, and group of safety working process

**Period:** (06/10/2016 – 06/10/2017)

**Company name:** Association of Macedonian Enterprises for International Road Transport  
“Makedonija soobrakaj” AMERIT – Skopje, Macedonia Europe

**Company profile:** Private Association of Macedonian Enterprises for International Road Transport

**Owner:** Private Association for all Transport Companies in Macedonia

**Position 1:** Independent Member of the Board of Directors

**Tasks:** Supervised and approved the Association’s operational activities, financial reports, work plans, and procurement plans, making key decisions to ensure effective management.

**Period:** (03/10/2014 – 09/10/2015)

**Position 2:** President of the Board;

**Tasks:** Managed, organized, and led meetings. Supervised and approved the Association’s operational activities, financial reports, work plans, and procurement plans, making key decisions to ensure effective operations.

**Period:** (09/10/2015 - 03/10/2018)

**Company name:** Faculty of Technical Science, Sv Nikole, Macedonia, Europe;

**Company profile:** Institution for education

**Owner:** Private International Slavianic University Sv Nikole - Bitola, Macedonia

**Position:** Docent Doctor (Associate professor)

**Tasks:** Taught management of professional risks, and group of safety working process

**Period:** (06/10/2016 – 06/10/2017)

### **Certificates:**

License for court expert evidence in the field of material, financial and account working, fulfilling the conditions pursuant to the regulations of the Law on expert evidence. Licensed by Ministry of Justice, License No. 07-1057/2, 2014,<sup>2</sup> web: <http://www.pravda.gov.mk/veshtaci>

License for court expert evidence in the field of electrical engineering, fulfilling the conditions pursuant to the regulations of the Law on expert evidence. Licensed by Ministry of Justice. License No. 08-1058/3, 2014, web: <http://www.pravda.gov.mk/veshtaci>

Certificate for Customer Centered Selling. Carried out by DOOR Training & Consulting Macedonia, under the methodology and with use of the materials of DOOR International, 2014, web: <http://www.door.mk/>

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<sup>2</sup> This License has validity of 5 years and the validation can be extended for another 5 years;

Certificate for Achieve HR Excellence. Carried out by DOOR Training & Consulting Macedonia, under the methodology and with use of the materials of DOOR International, 2014, <http://www.door.mk/>

License for court expert evidence in the field of material, financial and account working, fulfilling the conditions pursuant to the regulations of the Law on expert evidence. Licensed by Ministry of Justice, License No. 08-1009/2 , 2019, web: <http://www.pravda.gov.mk/veshtaci>

Certificate for knowledge of English language certificated by international institution British Council Macedonia, Aptis, given on 26.03.2015g;

Certificate for knowledge of Computer programs for office working, given on December 2015;

Certificate for knowledge of English language certificated by international institution British Council Poland, Aptis Remote, Common European Framework of Reference for Languages (CERF), B2 level, given on 14.10.2022g;

Certificate for knowledge of English language certificated by international institution British Council United Kingdom, Aptis Remote, Common European Framework of Reference for Languages (CERF), B2-C level, given on 25.04.2023y;

Certificate for knowledge of English language certificated by international institution Technical University Gabrovo, ALTE of Common European Framework of Reference for Languages (CERF), B2 level on-site, given on 21.10.2024g so Ref. No. 2083/24;

Certificate for knowledge of English language certificated by the Macedonian Faculty for Philology sciences, University st Ciril and Methodious Skopje, Macedonia, (confirmed by the Head of English language group) according the Common European Framework of Reference for Languages (CERF), B2 level on-site, given on 13.01.2026g with no 03-46/2;

Certificate for knowledge of English language certificated by international institution Centre for foreign languages Skopje, Common European Framework of Reference for Languages (CERF), Aptis Remote, level B2 on-site, given on 14.01.2026g;

### **Certificates of appreciations:**

- **Certificate of Appritiations**, Given as a thankfulness to **Dr. Boris Arsov, Doctor of economy science from Macedonia** for his teaching lessons in the field of data management, safety protocols and regulatory compliance, from 8/10/20 to 8/17/20 on-line, during COVID – 19, coronavirus pandemic (SARS CoV - 2) on the YALE UNIVERSITY (School of Engineering and Applied Science and Faculty of management) in New Haven, Connecticut, **YALE UNIVERSITY (School of Engineering and Applied Science and Faculty of management) in New Haven, Connecticut, USA, 2020r;**
- **Certificate of Appritiations**, This is given as a great thankfulness and appreciation to **Dr. Boris Arsov**, for his dedicated service and commitment to excellence teaching lessons in the field of optical cable networks and TK infrastructure during the summer fall from 8/17/21 to 8/20/21 on the Faculty of Electrical Engineering on the Stanford University, State of California, **Faculty of Electrical Engineering on the Stanford University, State of California, USA,2021r;**

- **Certificate of Appritiations**, was presented to **Dr. Boris Arsov**, with honour and thankfulness for his participation in the summer fall as a guest teacher from 7/4/2022 – 7/12/2022, His contribution to our education process, during the summer fall was special for our university in the field of telecommunication, especially in Wireless networks and TK infrastructure, **School of Electrical and Computer Engineering, на New York University во New York City, USA, 2022r;**
- **Certificate of Appritiations**, This certificate is presented to **Dr. Boris Blagoj Arsov engineer**, for successful two weeks teaching and collaboration (05/01/23-05/15/23), at the Princeton University in New Jersey USA, in the field of wireless and mobile networks and systems, **Faculty of Electrical and Computer Engineeringna, Princeton University in New Jersey, USA; 2023r;**
- **Certificate of Appritiations**, This certificate is proudly presented to is presented as thankfulness to **Dr. Boris Arsov engineer** for teaching and cooperation as a guest teacher from 05/06/24 to 05/13/24 at our Columbia University in New York City at the School of Engineering and Applied Science in mobile technologies and communication systems, **School of Engineering and Applied Science, Columbia University in New York City, USA, 2024r;**
- **Certificate of Appritiations**, This certificate is proudly presented to **ass. prof. dr. Boris Arsov** from International Slavic University St. Nikole, Macedonia, for cooperation as a guest teacher from 11/17/25 to 11/19/25 at our Georgetown University in Washington DC about mobile technologies, digital processes and AI, **Department of Computer Science, College of Arts and Science, Georgetown University in Washington DC, USA, 2025r;**

## Research and Published papers:

**Arsov B., *Investment funds and management with securities – practices and experiences*, Economic Institute Skopje, at the University of St. Cyril and Methodius, Skopje, Macedonia, (Paper for Master of Science, published in Public Paper in Macedonia, 2009);**

Trajchevski, Z., Caric, M., Arsov, B.,, *Uspostavljanje liberalizacije i reforme u sektoru elektronskih komunikacija u Republici Makedoniji*“ (The establishment of liberalization and reforms in the electronic communications sector in the Republic of Macedonia), Economy theory and practice – University and Academy for economy in Novi Sad, Faculty for Economy and Engineering management in Novi Sad, (pg. 110), Republic of Serbia, 2011; ISSN 2217–5458;

Web: <http://www.academius.edu.rs/fimek.edu.rs/images/pdf-fajlovi/naucni-rad/casopis/arhiva/2011-ekonomija-br-4.pdf>

**Arsov B., *The role and the meaning of the sources of financing for improvement of the financial working of the electronic media in Republic of Macedonia*, Economic Institute Skopje at the University of St. Cyril and Methodius, Skopje, Macedonia, (Paper for Doctor of Science published in Public Paper in Macedonia, 2013);**

Arsov, B., Trajchevski, Z., Spalevic, Z., “*The Internet services on the telecommunication market in the Republic of Macedonia over Leasted Lines*”, S15 - The Use of the Internet and Development Perspectives (17:00 - 19:00 h), Room 047, Sinteza 2014 Conference Programme 25.04.2014. (pg. 198), Singidunum University Beograd (R.Serbia), 2014; ISBN: 978-86-7912-539-2;

Web: <http://portal.sinteza.singidunum.ac.rs/Media/files/2014/Sinteza-2014.pdf>

Arsov, B., Boskovska, D., “*Characteristics of the TV Media financial operations in Republic of Macedonia*”, Journal of the Institute of Economics Skopje (pg 45-55), University of St. Kiril and Metodij Skopje, Skopje, Republic of Macedonia, 2014; ISSN 1409-7893; e-ISSN 1857-7741;

Web. <http://www.ek-inst.ukim.edu.mk/economic-development-journal-of-the-institute-of-economics-skopje-year-16-no-3-2014-2014/>

Arsov, B., *T-Mobile Macedonia abuses its dominant position and harmful the mobile telecom market*, Book of abstract from the 4th International Conference on Business and Innovation 2015 – Durres Albania (page 22), UBT Prishtina Kosovo 2015; ISBN 978-9951-437-36-3;

web. <https://conferences.ubt-uni.net/2015/book/Book%20of%20Abstracts.pdf>

Arsov, B., Trajkovski, V., Sherifi V., *Analysis of the mobile market in 2014 in Republic of Macedonia, recommendations for better development and better quality of the mobile services*, Book of abstract from the 5th International Conference on Business and Innovation 2016 – Durres Albania, (page 13), UBT Prishtina Kosovo 2016; ISBN 978-9951- 437-46- 2;

Web. <https://conferences.ubt-uni.net/2016/books/ICCSCE.pdf>

Arsov, B., *Analysis of the TV Media financial operations in Macedonia 2011-2015 and recommendations for better working*, Jurnal for working papers - “International dialogue: East - West” (Group: Economy, safety engineering, architecture and design, infomatic science, ecology), 8-th International conference of science: International Slavic University “Gavrilo Romanovic Derzavin“, (pg. 169) Sv. Nikole, Macedonia 2017. ISSN (print) 1857-9299 and ISSN (online) 1857-9302;

Web. [http://konferencii.msu.edu.mk/wp-content/uploads/000\\_Spisanie-8-konferentsija-EKONOMIJA\\_print\\_FINAL-07.07.2017.pdf](http://konferencii.msu.edu.mk/wp-content/uploads/000_Spisanie-8-konferentsija-EKONOMIJA_print_FINAL-07.07.2017.pdf)

Arsov, B., Trajkovski, V., Sherifi, V., *Development and Improvement of the quality of the Mobile services at the mobile market in Macedonia*, Book of abstract from the 6th International Conference on Business and Innovation 2017 – Durres Albania (page 28), UBT Prishtina Kosovo 2017; ISBN 978-9951-437-60-8;

Web. <https://conferences.ubt-uni.net/2018/wp-content/uploads/2018/09/ICCSEISS.pdf>

Arsov, B., Aleksov, Z., *WEB GIS System for electronic data delivery for newly constructed electronic communications networks*, Conference ETAI, (pg. 51) Struga 2018, R.Macedonia;

Web. <https://dokumen.tips/documents/-2018-etai-on-behalf-of-the-etai-2018-conference-committees-and.html>

Arsov, B., Aleksov, Z., *Applied Internet speed measurement system for fixed networks*, Conference ETAI, (pg. 50) Struga 2018, R.Macedonia;

Web. <https://dokumen.tips/documents/-2018-etai-on-behalf-of-the-etai-2018-conference-committees-and.html>

Arsov, B., Aleksov, Z., *Control of QoS of internet access through fixed networks*, III-rd International Conference on Engineering Technology and Innovation, Belgrade 2019, Serbia. ISBN 978-605-67955-9-6, ISSN 2687-2323, Web. <https://www.iceti.org/content/iceti-2019>;

**Arsov B., *The benefits having the ICT Infrastructure with quality, for implementation of the Strategy for broadband internet and digital agenda*, Faculty of Electrical Engineering & Information Technologies Skopje at the University of St. Cyril and Methodius, Skopje, Macedonia, (Paper for Master of Science, published in Public Paper in Macedonia, 2020);**

Arsov, B., Aleksov, Z., Sherifi, V., Popovic, N., *The Benefit from having quality TK infrastructure for realization of the project Broadband internet in Macedonia*, Book of abstract from the 9th

International Conference on Computer science and engineering, Pristine Kosovo (page 556), UBT Pristina Kosovo, 2020; ISBN 978-9951-437-96-7;

WEB: <https://conferences.ubt-uni.net/2020/conferences/computer-science-and-communication-engineering/>

Aleksov, Z., Arsov, B., Sherifi, V., Popovic, N., *Suggestions and recommendations for fulfillment and implementation of the project for Broadband internet in Macedonia*, Book of abstract from the 9th International Conference on Computer science and engineering, Pristine Kosovo (page 557), UBT Pristina Kosovo, 2020; ISBN 978-9951-437-96-7;

WEB: <https://conferences.ubt-uni.net/2020/conferences/computer-science-and-communication-engineering/>

Aleksov, Z., Arsov, B., Dervisov, Z., *Broadband Mapping Systems in Macedonia*, ITU Regional Regulatory Forum for Europe Regulation supporting the Digital Transformation, 30th November – 1st December 2020,| Video Online meeting, Budva, Montenegro, 2020;

WEB: <https://www.itu.int/en/ITU-D/Regional-Presence/Europe/Pages/Events/2020/RRF/Presentations.aspx;>

Gajšek P., Kuhar A., Raković V., Černe T, Valič B., Scientific Reviewers: Arsov B., Kotnik T., (Slovenia – Macedonia Team), *Impact of Radiofrequency Electromagnetic Fields from Wireless Networks (4G, 5G) on Human Health and the Environment in Macedonia*, Publisher: Agency for Electronic Communications (AEC), Skopje, Macedonia, August 2021;

WEB: <https://aek.mk/vlijanie-na-zracenje/>

Arsov B., Arsova E., Sadinov S., *Measurements of the non-ionizing radiation of 5G base station of mobile operator Makedonski Telekom AD Skopje and electricity supply with photovoltaic plant*, EEPES.EU, International Conference on Electronics, Engineering, Physics and Earth Science, EEPES 2023 Conference, Scopus (ID144, page 19), Kavala, Greece, 2023,

WEB: [http://eepes.eu/images/programme\\_eepes2023.pdf](http://eepes.eu/images/programme_eepes2023.pdf);

Arsov B., *Measurements of the non-ionizing radiation of 5G mobile base station of AI mobile operator*, (page 5), 7th International Scientific Conference – TechCo 2023, June 2023, Technical College Lovech – Bulgaria;

WEB: <https://www.tugab.bg/nauchna-deinost/nauchni-izdaniya-i-konferentzii/natzionalna-nauchna-konferentziya-techco>

Arsov B., *Quality of Service of the 5G Traffic and 5G deployment in Macedonia*, (page 5), 7th International Scientific Conference – TechCo 2023, June 2023, Technical College Lovech – Bulgaria;

WEB: <https://www.tugab.bg/nauchna-deinost/nauchni-izdaniya-i-konferentzii/natzionalna-nauchna-konferentziya-techco>

Sadinov S., Tomov M., Arsov B., Ahmed A., *Distributed GSM Signal quality improvement across the entire 890-960 MHz Band*, International Scientific Conference UNITECH 2023, November 2023,

Technical University in Gabrovo – Bulgaria; web. <https://unitech.tugab.bg/docs/doc101.pdf>

Sadinov S., Arsov B., Ahmed A., Ozdikililer E., *Comparative Analysis of software tools for testing radio coverage through a mobile terminal*, International Scientific Conference UNITECH 2023,

November 2023, Technical University in Gabrovo – Bulgaria; web. <https://unitech.tugab.bg/docs/doc101.pdf>

**Arsov B., *Management of the performance and quality of service in broadband mobile networks*, Technical University of Gabrovo – R. Bulgaria, Department of Communication networks and systems (Paper for Doctor of Science for communication networks and systems, published in Public Paper in Bulgaria, 2024);**

Tomov M., Sadinov S., **Arsov B.**, *Impedance matching optimization of RF networks* EEPES.EU, International Conference on Electronics, Engineering, Physics and Earth Science, EEPES 2024 Conference, Scopus (ID158, page 23), Kavala, Greece, 2024, Web. <https://eepes.eu/index.php/programme>

Tomov M., Tramantzas K., Kazolis D., Angelov K., **Arsov B.**, *Local Two-Way Amplifying System for Mobile Networks*, 5th International Conference on Communications, Information, Electronic and Energy Systems, IEEE International Conference CIEES 2024 (ID242, page 10), 20 – 22 November, 2024, Veliko Tarnovo, R. Bulgaria; web. [https://www.ciees.eu/images/ciees2024\\_programme.pdf](https://www.ciees.eu/images/ciees2024_programme.pdf)

Tomov M., Kogias P., **Arsov B.**, Sadinov S., *Precised measurement of inductance and capacitance in radio frequency circuits*, International Scientific Conference UNITECH 2024, November 2024, Technical University in Gabrovo – Bulgaria; ISSN: 2603-378X; web: <https://unireg.tugab.bg/index.php>;

Prepared by:  
Ass. prof. Dr Boris Arsov

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