

CURRICULUM VITAE

1. Family Name:	Avdiaj	
2. First Name:	Sefer	
3. Nationality:	Kosovar & Albanian	
4. Date of Birth	07.06.1976	
5. Gender:	M	
6. Contact details:		
	<i>Email:</i>	sefer.avdiaj@uni-pr.edu ,
	<i>Tel:</i>	+383 49 393 107
7. Education Degree:		
	<i>Institution:</i>	University of Prishtina, Faculty of Natural Sciences and Mathematics, Department of Physics
	<i>Degree Date:</i>	24/07/2001
	<i>Degree :</i>	Engineer of Physics
	<i>Institution:</i>	University of Tirana, Faculty of Natural Sciences, Department of Physics
	<i>Degree Date:</i>	02/07/2008
	<i>Degree/ Master :</i>	Master of science (Msc)
	<i>Institution:</i>	Jozef Stefan International Postgraduate School
	<i>Degree Date:</i>	29/03/2012
	<i>Degree / Doctorate :</i>	Doctor of science (PhD)
8. Academic Degree:	Associated Professor	
	<i>Institution:</i>	University of Prishtina. Department of Physics
	<i>Degree Date:</i>	09.10.2018
9. Scientific Publications		
Scientific journal		
	<i>Title of paper</i>	<i>Journal name</i> <i>Year / Volume / Pages / link</i>
	1. S.Avdiaj, J.Setina, N.Syla: <i>Modeling of the piezoelectric effect using the finite-element method (FEM)</i>	Materials and Technology (Materiali in Tehnologije) 2009 / 43 / /283 – 291 http://mit.imt.si/Revija/izvodi/mit096/avdiaj.pdf
	2. S.Avdiaj, J.Setina: <i>Numerical solving of Poisson equation in 3D by using finite difference method</i>	Journal of Engineering and Applied Sciences 2010 / 5 / 14-18 http://www.medwelljournals.com/abstract/?doi=jeasci.2010.14.18
	3. S.Avdiaj, B.Setina-Batic, B.Erjavec, J.Setina: <i>Oxygen diffusion in the non-</i>	Materials and Technology (Materiali in 2011 / 45 / 33-37 http://mit.imt.si/Revija/izvodi/mit11/avdiaj.pdf

<i>evaporable getter St 707 during heat treatment</i>	Tehnologije)	
4. S.Avdiaj, B.Erjavec: <i>Outgassing of hydrogen from a stainless steel vacuum chamber</i>	Materials and Technology (Materiali in Tehnologije)	2012 / 46 / 161-167 http://mit.imt.si/Revija/izvodi/mit122/avdiaj.pdf
5. F.Aliaj, N.Syla, S.Avdiaj, T.Dilo: <i>The effect of bias voltage on the microstructure and mechanical properties of arc evaporated (Ti,Al)N hard coatings</i>	Bulletin of Materials Science –c. Indian Academy of Sciences	2013 / 36(3) / 429-435 https://link.springer.com/article/10.1007%2Fs12034-013-0479-7
6. S.Avdiaj, J.Setina, B.Erjavec: <i>Measurement of conductance of a sapphire sealed variable leak valve</i>	Vacuum	2013 / 98 / 8-11 https://www.sciencedirect.com/science/article/pii/S0042207X12004289
7. J.Setina, S.Avdiaj, B.Erjavec: <i>Volume ratio measurements of vacuum vessels containing nonevaporable getters</i>	Vacuum	2013 / 92 / 20-25 https://www.sciencedirect.com/science/article/pii/S0042207X12004939
8. F.Aliaj, N.Syla, T.Dilo S.Avdiaj: <i>The Effect of Aluminium on the Microstructure and Mechanical Properties of Arc-evaporated Ti_{1-x}Al_xN Coating Deposited on Cemented Carbide Substrates</i>	Physica Macedonica	2012 / 43 / 113-119 http://dfm.org/documents/physica-macedonica/t16.pdf
9. S.Avdiaj, B.Erjavec, J.Setina: <i>Volume determination of vacuum vessels by gas expansion method</i>	MAPAN Springer	2015 / 30(3) / 175-178 https://link.springer.com/article/10.1007%2Fs12647-015-0137-1
10. S.Avdiaj, J.Setina: <i>Flowmeter for very low gas flows of inert gases</i>	Measurement - Elsevier	2017 / 111 / 384-388 https://www.sciencedirect.com/science/article/pii/S026322411730502X
11. S.Avdiaj, Y. Yang, K. Jousten, T. Rubin: <i>Diffusion constant and solubility of Helium in ULE glass at 23⁰C</i>	The Journal of Chemical Physics	2018 / 148 / 116101-1,2 https://aip.scitation.org/doi/abs/10.1063/1.5019015?journalCode=jcp

Acknowledgments from scientific publications:

I was acknowledged for the contribution to this paper:

Authors: **K. Jousten, S. Putzke, J. Buthig:** Title: *Partial pressure measurements standard for characterizing partial pressure analysers and measuring outgassing rates*, Published in Journal of vacuum science and technology A, 2015 / 33 / 061603_1-061603_10. Link: <https://avs.scitation.org/doi/abs/10.1116/1.4935432>

Abstracts from the International and National Conferences		
<i>Title of paper</i>	<i>Conference name</i>	<i>Year / Venue</i>
1. S.Avdiaj: Determination of the phase-shift using the Mach-Zehnder interferometer	Takimi i Dytë i Institutit Alb-Shkenca	2007/ Pristina, Kosovo
2.S.Avdiaj, Naim Syl: Modeling and simulation of piezoelectric sensor	Takimi i Tretë i Institutit Alb-Shkenca	2008 / Tirana, Albania
3. S.Avdiaj, J.Setina, A. Jonuzaj: Numerical solving of poisson equation in 3D by finite difference method (FDM)	17 th Conference on Materials and Technology	2009 / Portoroz, Slovenia
4. S.Avdiaj, B.Setina-Batic, J.Setina: Investigation of oxygen diffusion in St 707 non-evaporable getter material	17 th Conference on materials and technology	2009 / Portoroz, Slovenia
5. S.Avdiaj, J.Setina: Modeling of piezoelectric effect by finite element method (FEM)	16 th International Scientific Meeting on Vacuum Science and Technique	2009 / Bohinj, Slovenia
6. S.Avdiaj, J.Setina, B.Erjavec: Volume ratio measurements of vacuum vessels containing nonevaporable getters	13 th Joint Vacuum Conference	2010 / Štrbské Pleso High Tatras, Slovak Republic
7. S.Avdiaj, J.Setina: Extension of the range of primary vacuum-calibration methods using non-evaporable getters	18 th Conference on materials and technology	2010 / Portoroz, Slovenia
8. J.Setina, M.Sefa, S.Avdiaj, B.Erjavec, D.Hudoklin: Modeling of water vapor diffusion in elastomers with impact in humidity and vacuum measurements	Joint International Symposium on Temperature, Humidity, Moisture and Thermal Measurements in Industry and Science TEMPMEKO & ISHM	2010 / Portoroz, Slovenia
9. S.Avdiaj, B.Setina-Batic, J.Setina: Investigation of oxygen diffusion in St 707 non evaporable getter material. V: 14th European Conference on Composite Materials	14 th European conference on Composite materials	2010 / Budapest, Hungary
10. S.Avdiaj, J.Setina: Testing of non- evaporable getter pump for extremely high vacuum calibration chamber	19 th Conference on materials and technology	2011 / Portoroz, Slovenia
11. S.Avdiaj, J.Setina: Outgassing of hydrogen from stainless steel vacuum chamber	18 th International Scientific Meeting on Vacuum Science and Technique	2011 / Bohinj, Slovenia
12. S.Avdiaj, J.Setina, B.Erjavec: Measurement of conductance of a sapphire sealed variable leak valve	14 th Joint Vacuum Conference, 12 th European Vacuum Conference, 11 th Annual Meeting of the German Vacuum Society, 19 th Croatian-Slovenian Vacuum Meeting,	2012 / Dubrovnik, Croatia

13. S.Avdiaj, J.Setina: Extension of the range of primary vacuum-calibration methods with the use of nonevaporable getters	20 th Jubilee Conference on materials and technology (INVITED SPEAKER)	2012 / Portoroz, Slovenia
14. S.Avdiaj, S.Skenderi, N.Syla, F.Aliaj: Applications of getter pumps to maintain vacuum in sealed microelectromechanical systems	International Conference on Mechatronics Engineering and Robotics	2012 / Pristina, Kosovo
15. N.Syla, F.Aliaj, S.Avdiaj: Modeling the RC electric circuit with Finite Element Method	1 st International Eurasian Conference on Mathematical Sciences and Applications (IECMSA)	2012 / Pristina, Kosovo
16. F.Aliaj, N.Syla, T.Dilo, S.Avdiaj: The effect of aluminum on the microstructure and mechanical properties of arc-evaporated Ti _{1-x} Al _x N coatings deposited on cemented carbide substrates	IX Conference of the Society of Physicists of Macedonia	2012 / Ohrid, Macedonia
17. S.Avdiaj, J.Setina, B.Erjavec: Comparison of diffusion and recombination limited model of experimental results for outgassing of hydrogen from a stainless steel vacuum chamber	19 th International Vacuum Congress	September 9-13, 2013 / Paris, France https://secure.key4events.com/key4register/abstractexport.aspx?e=164
18. S.Avdiaj, N.Syla, F.Aliaj: Modeling of oxygen diffusion profile in St 707 non- evaporable getter material	15 th Joint Vacuum Conference	June 15-20, 2014 / Vienna, Austria http://www.iap.tuwien.ac.at/jvc15/media/pdfs/boa_jvc15_2014_06_11.pdf
19. S.Avdiaj, J.Setina, B.Erjavec: Volume determination of vacuum vessels by gas expansion method	15 th Joint Vacuum Conference	June 15-20, 2014 / Vienna, Austria http://www.iap.tuwien.ac.at/jvc15/media/pdfs/boa_jvc15_2014_06_11.pdf
20. N. Syla, H.Oettel, G.Schreiber, F.Aliaj, S.Avdiaj: Residual stresses in the precipitation layer of gas nitrided alloy steels	Thermam 2014 International Conference on Thermo-physical and Mechanical Properties of Advanced Materials,	June 12-15, 2014 / Izmir, Turkey
21. S. Avdiaj, J. Setina, Bojan Erjavec. Construction of flowmeter for very low gas flows of inert gases	IMEKO XXI World Congress	August 30, 2015 – September 4, 2015, Prague
22. S. Avdiaj, F.Aliaj, N.Syla: Modelling the oxygen diffusion profile in St 707 non evaporable getter material	Diffusion fundamentals	August 26-28, 2013 - Leipzig, Germany http://ul.qucosa.de/fileadmin/data/qucosa/documents/18370/diff_fund_20%282013%20982.pdf
23. S.Avdiaj, J. Setina: Uncertainty evaluations of Hydrogen outgassing from a	20 th International Vacuum Congress	August 21-26, 2016 – Busan, Korea http://www.ivc20.com/data/IVC-20_Final%20Program.pdf

stainless steel vacuum chamber		
24. S.Avdiaj, A. Zeqiraj: Uncertainty evaluations of Hydrogen outgassing from a stainless steel vacuum chamber	The volume ratio measurements of static expansion system applied to Kosovo medium vacuum standard	August 21-26, 2016 – Busan, Korea http://www.ivc20.com/data/IVC-20_Final%20Program.pdf
25. S.Avdiaj, J. Setina: Extension of the range of primary vacuum calibration methods with the use of nonevaporable getters	IX Conference of the Society of Physicists of Macedonia	September 22-25, 2016 – Ohrid, Macedonia
26. Sefer Avdiaj: Comparison of sensitivity measurements with different modes in QMS	Workshop on "Towards more reliable partial pressure and outgassing rate measurements"	January 30 - February 1, 2017 - Berlin, https://www.ptb.de/emrp/ws1-sip01-presentations.html
27. Janez Setina, Sefer Avdiaj, Bojan Erjavec: Calibration of extractor gauges down to 10 ⁻¹² mbar	3 rd Workshop on the Operation of Large Vacuum systems	June 11-14, 2011 - Oak Ridge, Tennessee, USA, https://public.ornl.gov/sns/workshop/olav2011/presentations/Setina%20Janez%20-%20OLAV_III_Setina.pdf
28. S.Avdiaj, K.Jousten Measurement of sensitivity and minimum detectable partial pressure with different modes of QMS according to ISO TS 20175	24 th International Scientific Meeting on Vacuum Science and Technique	May 18-19, 2017, Zadar, Croatia
29. S.Avdiaj, J. Hendricks, J. Ricker: The quantum Pascal: Measuring pressure and vacuum with light	12 th Conference of the Society of Physicists of Macedonia – CSPM 2018	September 27-30, 2018, Oher, Macedonia
30. S.Avdiaj, J. Setina: Extension of the range of primary vacuum calibration methods with the use of non-evaporable getters.	9 th Vacuum Symposium, Vacuum Expo 2018	October 10-11, 2018, Coventry, UK
31. S.Avdiaj, J. Hendricks, J. Ricker: Determination of viarial coefficients used for optical pressure standard – FLOC	21 st International Vacuum Congress	July 1-5, 2019, Malmo, Sweden.
32. S.Avdiaj, J. Hendricks, J. Ricker.	26 th International Scientific Meeting on Vacuum Science and Technique"	May 16-17, 2019, Krk, Croatia
33. S.Avdiaj: Research group in the field of nanophysics: Department of Physics- University of Prishtina.	1 st workshop of NanoAlb	January 23, Academy of Sciences, 2020, Tirana, Albania
Other publications		
<i>Title of Book</i>	<i>Journal name</i>	<i>Year / Volume / Pages</i>
<i>Experimental Methods</i> <i>Author: Less Kirkup</i>	Translated form English language to Albanian language	2014
<i>International system of Units (based on fundamental constant)</i>	In Albanian Language	2019/ 1 / 106
Scientific projects	Role in the project	Supporter

<i>Volume determination of vacuum vessels by gas expansion method</i>	Leader	Ministry of Education, Science and Technology of Republic of Kosovo
<i>Exposure to radioactive gas radon in environments schools of Kosovo</i>	Member	Ministry of Education, Science and Technology of Republic of Kosovo
<i>Donation of experimental devices</i>	Leader	Uppsala University – Sweden
<i>18SIB04 QuantumPascal</i>	Member	Euramet
Zhvillimi I metrologjisë primare në Kosovë – Matja e koeficientit të ngjeshmërisë së gazeve inerte dhe azotit	Leader	Ministry of Education, Science and Technology of Republic of Kosovo
10. Work experience record:		
<i>Dates:</i>	September 2000 – November 2003	
<i>Location:</i>	Malisheve	
<i>Name of the Institution:</i>	Gymnasium “Abdyl Frasheri”	
<i>Position:</i>	Teacher of Physics	
<i>Description:</i>	I gave the lectures on physics subjects mostly in the field of modern physics	
<i>Dates:</i>	July 2003 – February 2009	
<i>Location:</i>	Prishtina	
<i>Name of the Institution:</i>	University of Prishtina, Faculty of Electrical Engineering and Computing	
<i>Position:</i>	Teaching assistant	
<i>Description:</i>	I have held numerical and experimental exercises for students of the first year from general physics: Physics 1 and Physics 2	
<i>Dates:</i>	November 2004 – May 2006	
<i>Location:</i>	Pristina	
<i>Name of the Institution:</i>	Ministry of Trade and Industry – Department of Metrology	
<i>Position:</i>	Metrologist of Electrical Measurements	
<i>Description:</i>	Verification and declaration of conformity procedures for electrical energy meters	
<i>Dates:</i>	February 2009 – January 2012	
<i>Location:</i>	Ljubljana – Škofja Loka (Slovenia)	
<i>Name of the Institution:</i>	Institute of Metals and Technology – Lotric Company	
<i>Position:</i>	Young Researcher (IMT) & Head of Research group at Lotric Company	
<i>Description:</i>	Research work related to my PhD (IMT) Research work in metrology field (uncertainty calculations for different measurements and calibrations – Lotric Company)	

<i>Dates:</i>	October 2011 – October 2013
<i>Location:</i>	Prishtina
<i>Name of the Institution:</i>	University of Prishtina, Faculty of Mathematics and Natural Sciences
<i>Position:</i>	Teaching Assistant
<i>Description:</i>	I am giving numerical and experimental exercises for students of the first year from general physics
<i>Dates:</i>	October 2013 – continues
<i>Location:</i>	Pristina
<i>Name of the Institution:</i>	University of Pristina, Faculty of Mathematics and Natural Sciences
<i>Position:</i>	Assistant Professor (Docent) –
<i>Description:</i>	Lectures in General Physics, Metrology, Experimental Methods in Physics, An Introduction to Nanoscience, Physics (for math students)
11. Education and training:	
<i>Dates:</i>	23.02.2005 – 03.03.2005
<i>Title of qualification awarded:</i>	Certified metrologist of electrical measurements
<i>Principal subjects/occupational skills covered:</i>	Verification and declaration of conformity procedures for electrical energy meters
<i>Name and type of institution providing education and training:</i>	Metrology Institute of the Republic of Slovenia
<i>Level of national and international classification:</i>	International
<i>Dates:</i>	04.06.2008 – 10.06.2008
<i>Title of qualification awarded:</i>	Certified
<i>Principal subjects/occupational skills covered:</i>	Contemporary Teaching in Higher Education
<i>Name and type of institution providing education and training:</i>	Friberg-Alexander-Universitat, Erlangen-Nurnberg & University of Prishtina
<i>Level of national and international classification:</i>	International
<i>Dates:</i>	15.12.2017 – 16.12.2017

<i>Title of qualification awarded:</i>	Certified
<i>Principal subjects/occupational skills covered:</i>	Teaching in Higher Education (Mesimdhënia në Arsimin e Lartë)
<i>Name and type of institution providing education and training:</i>	University of Prishtina, Center for Teaching Excellence
<i>Level of national and international classification:</i>	National
<i>Awards and Membership:</i>	
<i>Member</i>	European Society for Composite Materials (ESCM)
<i>Member</i>	German Vacuum Society (DVG)
<i>European Union</i>	European Social Fund. Framework of the Operational Programme for Human Resources Development for the period 2007-2013
<i>University of Prishtina</i>	Scholarships for one year
<i>Municipality of Malisheva</i>	Three years scholarship
<i>Ministry of Education, Science and Technology of Republic of Kosovo</i>	Mobility grant to participate in the “20 th Jubilee Conference on Materials and Technology” organized by Institute of Metals and Technology of Slovenia.
<i>Ministry of Education, Science and Technology of Republic of Kosovo</i>	Three weeks mobility grant to study “Gas Flow in the micro and vacuum systems” in IUSTI Laboratory, Aix University of Marseille, France.
<i>DAAD Scholarship</i>	Scholarship from German Academic Service –DAAD to perform a research in the field of vacuum metrology at Physikalische-Technische Bundesanstalt – PTB
<i>Fulbright scholarship</i>	Six months’ scholarship from Fulbright as a Fulbright Scholar to perform research in the field of pressure and vacuum metrology at National Institute of Standards and Technology – NIST
<i>Research grant -PTB</i>	Research grants given by Physikalische- Technische Bundesanstalt – PTB (July-August) (2016, 2017, 2019).