



Broj: 02/1-584/1
Datum: 26.04.2021

UNIVERZITET CRNE GORE

- Odboru za doktorske studije -

- Senatu -

O V D J E

U prilogu dostavljamo Odluku Vijeća Elektrotehničkog fakulteta, sa sjednice od 16.04.2021. godine, o predlogu za imenovanje mentora kandidatu MSc **Aldinu Kajeviću** i **obrazac M**, sa pratećom dokumentacijom, na dalje postupanje.



DEKAN,

Prof. dr Saša Mujović





Broj: 0211-887
Datum: 16.04.2021

Na osnovu člana 64 Statuta Univerziteta Crne Gore i člana 29 Pravila doktorskih studija, Vijeće Elektrotehničkog fakulteta u Podgorici, na sjednici od 16.04.2021. godine, donijelo je

ODLUKU

Predlaže se **dr Gojko Joksimović**, redovni profesor na Elektrotehničkom fakultetu Univerziteta Crne Gore, za mentora, za izradu doktorske disertacije, MSc Aldinu Kajeviću, studentu doktorskih studija na Elektrotehničkom fakultetu u Podgorici.

-VIJEĆE ELEKTROTEHNIČKOG FAKULTETA-

Dostavljeno:

- Odboru za doktorske studije,
- u dosije,
- a/a.

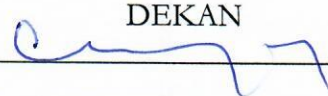



DEKAN,

Prof. dr Saša Mujović



MENTORSTVO

Kandidat: Ime i prezime		Aldin Kajević, MSc.		
PREDLOŽENI MENTOR/I				
	Titula, ime i prezime	Ustanova i država	Naučna oblast	
Prvi mentor	Prof. dr Gojko Joksimović	UCG, ETF, Crna Gora	Električne mašine	
Drugi mentor				
Sjednica Vijeća organizacione jedinice na kojoj je izvršeno predlaganje mentora			XLV sjednica Vijeća ETF-a održana 16. 04. 2021. godine	
KOMPETENCIJE MENTORA (pet objavljenih radova u relevantnim časopisima)				
Prvi mentor	1	G. Joksimović, E. Levi, A. Kajević, M. Mezzarobba, A. Tassarolo, „Optimal Selection of Rotor Bar Number for Minimizing Torque and Current Pulsations Due to Rotor Slot Harmonics in Three-phase Cage Induction Motors”, IEEE Access, Vol. 8, pp. 228572-28585, 2020, DOI: 10.1109/ACCESS.2020.3045766		
	2	G. Joksimović, M. Mezzarobba, A. Tassarolo, E. Levi, „Optimal Selection of Rotor Bar Number in Multiphase Cage Induction Motors”, IEEE Access, Vol. 8, pp. 135558-135568, 2020, DOI: 10.1109/ACCESS.2020.3004685		
	3	G. Joksimović, J. I. Melecio, P. M. Tuohy, S. Djurović, „Towards the optimal ‘slot combination’ for steady-state torque ripple minimization: an eight-pole cage rotor induction motor case study”, Electrical Engineering, Springer, Vol. 102, Issue 1, pp. 293-308, 2020, https://doi.org/10.1007/s00202-019-00874-x		
	4	G. Joksimović, “Dynamic model of cage induction motor with number of rotor bars as parameter”, The Journal of Engineering, IET, Vol. 2017, Issue 6, pp. 205-211, June 2017, DOI: 10.1049/joe.2017.0074		
	5	G. M. Joksimović, J. Riger, T. M. Wolbank, N. Perić, M. Vašak, “Stator-current spectrum signature of healthy cage rotor induction machines”, IEEE Transactions on Industrial Electronics, vol. 60, no. 9, September 2013, DOI: 10.1109/TIE.2012.2236995		
Drugi mentor	1			
	2			
	3			
	4			
	5			
PODACI O MAGISTRANDIMA I DOKTORANDIMA				
	Broj magistanada		Broj doktoranada	
	trenutno	ukupno	trenutno	ukupno
Prvi mentor	/	3	/	/
Drugi mentor				
Datum i ovjera (pečat i potpis odgovorne osobe)				
U Podgorici, 22. 04. 2021. godine				
			DEKAN	
				

PERSONAL INFORMATION

Gojko Joksimović



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☎ +382 20 245 839 📠 +382 67 435 758

✉ Gojko.Joksimovic@ucg.ac.me

Sex M | Date of birth 09/11/1967 | Nationality Montenegrin

WORK EXPERIENCE

2011 -

Full Professor

University of Montenegro, Faculty of Electrical Engineering, Podgorica, Montenegro

- Research and education

Associate Professor

2006 - 2011

University of Montenegro, Faculty of Electrical Engineering, Podgorica, Montenegro

- Research and education

Assistant Professor

2001 - 2006

University of Montenegro, Faculty of Electrical Engineering, Podgorica, Montenegro

- Research and education

Junior lecturer

1995 - 2006

University of Montenegro, Faculty of Electrical Engineering, Podgorica, Montenegro

- Research and education

Assistant lecturer

1992 - 1995

University of Montenegro, Faculty of Electrical Engineering, Podgorica, Montenegro

- Research and education

EDUCATION AND TRAINING

1995-2000

PhD degree (electrical power engineering)

University of Montenegro, Faculty of electrical engineering, Montenegro

1992-1995

MSc degree (electrical power engineering)

University of Montenegro, Faculty of electrical engineering, Montenegro

1987-1991

BSc degree (electrical power engineering)

University of Montenegro, Faculty of electrical engineering, Montenegro

PERSONAL SKILLS

Mother tongue(s)

Montenegrin

Other language(s)

UNDERSTANDING

Listening

SPEAKING

WRITING

ENTER LEVEL

Reading

Spoken interaction

Spoken production

English language

B2

C1

C1

C1

C1

German language

B2

B1

B1

B1

Russian language

B1

A2

A2

A2

Communication skills

Good communication skills gained through my everyday interaction with students through education and research process

Organisational / managerial skills

Many years served as an vice-dean and chief of the study programmes

Digital skills

SELF-ASSESSMENT

	Information processing	Communication	Content creation	Safety	Problem solving
Microsoft Office	Proficient user	Proficient user	Proficient user	Proficient user	Proficient user
Matlab	Proficient user	Proficient user	Proficient user	Proficient user	Proficient user
CorelDraw	Proficient user	Proficient user	Proficient user	Proficient user	Proficient user

Driving licence

B, C

ADDITIONAL INFORMATION

Monographs

M1. J. Faiz, V. Gorbanian, G. Joksimović, *"Fault Diagnosis of Induction Motors"*, book, The IET, ISBN: 978-1-78561-328-9, 2017.

M2. G. Joksimović, *"Fault analysis of cage induction motor"*, Zadužbina Andrejević, Edition Diserttatio, Belgrade, Yugoslavia, 2001, ISBN 86-7244-232-6

Textbooks

T1. G. Joksimović, *"Asynchronous machines"*, book, Narodna knjiga – MIBA Books, Belgrade, 2019, ISBN: 978-9940-25-148-2, 2019.

T2. G. Joksimović, *"Fundamentals of Electrical Engineering I"*, textbook for graduate schools, Ministry of Education and Science, Montenegro, 2009, ISBN-978-86-7796-046-9

T3. G. Joksimović, *"Fundamentals of Electrical Engineering II"*, textbook for graduate schools, Ministry of Education and Science, Montenegro, 2009, ISBN-978-86-7796-041-4, 140 pages.

T4. G. Joksimović, *"Fundamentals of Electrical Engineering II"*, university textbook, edition ETF textbooks, Faculty of Electrical Engineering, University of Montenegro, 2008, ISBN-978-86-85775-06-2(broš), 240 pages.

T5. G. Joksimović, *"Fundamentals of Electrical Engineering I"*, university textbook, edition ETF textbooks, Faculty of Electrical Engineering, University of Montenegro, 2007, ISBN-978-86-85775-05-5, 224 pages.

T6. M. Đurović, G. Joksimović, *"Special Electrical Machines"*, textbook, University of Montenegro, 2001.

T7. M. Đurović, G. Joksimović, R. Saveljić, R. Stojanović, V. Vujičić, *"Control in Real Time"* textbook, University of Montenegro, Podgorica, 1999.

T8. M. Đurović, G. Joksimović, *"Electrical Machines"*, textbook, Obod, Cetinje, 1997.

Papers published in renowned international scientific journals

IJ01. G. Joksimović, E. Levi, A. Kajejić, M. Mezzarobba, A. Tassarolo, *"Optimal Selection of Rotor Bar Number for Minimizing Torque and Current Pulsations Due to Rotor Slot Harmonics in Three-phase Cage Induction Motors"*, IEEE Access, Vol. 8, pp. 228572-28585, 2020, DOI: 10.1109/ACCESS.2020.3045766

- U02.** G. Joksimović, M. Mezzarobba, A. Tassarolo, E. Levi, „*Optimal Selection of Rotor Bar Number in Multiphase Cage Induction Motors*”, IEEE Access, Vol. 8, pp. 135558-135568, 2020, DOI: 10.1109/ACCESS.2020.3004685
- U03.** G. Joksimović, J. I. Melecio, P. M. Tuohy, S. Djurović, „*Towards the optimal 'slot combination' for steady-state torque ripple minimization: an eight-pole cage rotor induction motor case study*”, Electrical Engineering, Springer, Vol. 102, Issue 1, pp. 293-308, 2020, <https://doi.org/10.1007/s00202-019-00874-x>
- U04.** G. Joksimović, „*Dynamic model of cage induction motor with number of rotor bars as parameter*”, The Journal of Engineering, IET, Vol. 2017, Issue 6, pp. 205-211, June 2017, DOI: 10.1049/joe.2017.0074
- U05.** G. Joksimović, „*Transformer reactive power compensation – fixed capacitor bank calculation*”, IEEE Transactions on Power Delivery, vol. 30, no. 3, pp. 1629-1630, June 2015, DOI: 10.1109/TPWRD.2014.2373039
- U06.** G. Stojčić, M. Vašak, N. Perić, G. Joksimović, T. M. Wolbank, „*Detection of partially fallen-out magnetic slot wedges in inverter-fed ac machines at lower load conditions*”, IEEE Transactions on Industry Applications, vol. 50, no. 2, pp. 1161-1167, March/April 2014, DOI: 10.1109/TIA.2013.2275955
- U07.** G. M. Joksimović, J. Riger, T. M. Wolbank, N. Perić, M. Vašak, „*Stator-current spectrum signature of healthy cage rotor induction machines*”, IEEE Transactions on Industrial Electronics, vol. 60, no. 9, September 2013, DOI: 10.1109/TIE.2012.2236995
- U08.** V. Lešić, M. Vašak, N. Perić, T. M. Wolbank, G. Joksimović, „*Fault-tolerant control of a wind turbine with a squirrel-cage induction generator and rotor bar defects*”, Automatika – Journal for Control, Measurement, Electronics, Computing and Communications, vol. 54 (2013), no. 3, pp: 316-328, <https://doi.org/10.7305/automatika.54-3.189>
- U09.** V. Lešić, M. Vašak, N. Perić, G. Joksimović, T. M. Wolbank, „*Fault-tolerant control of a wind turbine with generator stator inter-turn faults*”, Automatika – Journal for Control, Measurement, Electronics, Computing and Communications, vol. 54 (2013), no. 1, pp: 89-102, <https://doi.org/10.7305/automatika.54-1.325>
- U10.** G. Joksimović, „*Transformer voltage regulation – an alternative expression*”, IEEE Transactions on Power Delivery, vol. 27, no. 2, pp. 1023-1024, April 2012, DOI: 10.1109/TPWRD.2011.2175819
- U11.** C. Bruzzese, G. Joksimović, „*Harmonic signatures of static eccentricities in the stator voltages and in the rotor current of no-load salient-pole synchronous generators*”, IEEE Transactions on Industrial Electronics, vol. 58, no. 5, pp. 1606-1624, May 2011, DOI: 10.1109/TIE.2010.2087296
- U12.** G. Joksimović, „*AC winding analysis using winding function approach*”, International Journal of Electrical Engineering Education, Manchester University Press, vol. 48, no. 1, pp. 34-52(19), January 2011, <https://doi.org/10.7227/IJEEE.48.1.4>
- U13.** G. Joksimović, „*Line current spectrum analysis in saturated three-phase cage induction machine*”, Electrical Engineering (Archiv für Elektrotechnik), Springer Berlin/Heidelberg, vol. 91, no. 8, pp. 425-437, April 2010, <https://doi.org/10.1007/s00202-010-0151-9>
- U14.** G. Joksimović „*Dynamic simulation of cage induction machine with air gap eccentricity*”, IEE Proceedings, Electric Power Applications, vol. 152, no. 4, pp. 803-811, July 2005, DOI: 10.1049/ip-epa:20041229
- U15.** G. Joksimović, A. Binder, „*Additional no-load losses in inverter-fed high speed cage induction motors*”, Electrical Engineering (Archiv für Elektrotechnik), Springer Verlag, vol. 86, no. 2, pp. 105-116, January 2004, <https://doi.org/10.1007/s00202-003-0185-3>
- U16.** G. Joksimovic, M. Djurovic, J. Penman, „*Cage rotor MMF – Winding function approach*”, IEEE Power Engineering Review, vol. 21, no. 4, pp. 64-66, April, 2001, DOI: 10.1109/MPER.2001.4311316
- U17.** G. Joksimović, J. Penman, „*The detection of inter-turn short circuits in the stator windings of operating motors*”, IEEE Transactions on Industrial Electronics, vol. 47, no. 5, pp. 1078-1084, October 2000, DOI: 10.1109/41.873216
- U18.** G. Joksimović, M. Đurović, J. Penman, N. Arthur, „*Dynamic simulation of dynamic eccentricity in induction machines –winding function approach*”, IEEE Transactions on Energy Conversion, vol. 15, no. 2, pp. 143-148, June 2000, DOI: 10.1109/60.866991
- U19.** G. Joksimović, M. Đurović, A. Obradović, „*Skew and linear rise of MMF across slot modeling –winding function approach*”, IEEE Transactions on Energy Conversion, vol. 14, no. 3, pp. 315-320, September 1999, DOI: 10.1109/60.790876
- U20.** G. Joksimović, J. Penman, M. Đurović, „*The new method for determination of induction machine rotor inertia*”, IEEE Power Engineering Review, vol. 19, no. 3, pp. 59-60, March, 1999.
- U21.** M. Đurović, G. Joksimović: „*Optimal performance of double fed induction generator in windmills*”, Renewable Energy, Elsevier Science Publishing Company, vol. 9, issues 1-4, pp. 862-865, September-December 1996, [https://doi.org/10.1016/0960-1481\(96\)88416-3](https://doi.org/10.1016/0960-1481(96)88416-3)

Papers presented at international scientific conferences

- IC01.** G. Joksimović, A. Kajević, M. Mezzarobba, A. Tesarolo, "Optimal rotor bars number in four pole cage induction motor with 36 stator slots - part I: numerical modeling", ICEM 2020, Gothenburg, Sweden, 2020.
- IC02.** G. Joksimović, A. Kajević, M. Mezzarobba, A. Tesarolo, "Optimal rotor bars number in four pole cage induction motor with 36 stator slots - part II: results", ICEM 2020, Gothenburg, Sweden, 2020.
- IC03.** G. Joksimović, A. Kajević, S. Mujović, T. Dlabáč, V. Ambrožič, A. Tesarolo, "Rotor bars skewing impact on electromagnetic pulsations in cage induction motor", IcEtran 2019, Srebrno jezero, Srbija, 2019.
- IC04.** G. Joksimović, C. Bruzzese, "The Doubly-Fed Induction Generator as Part of the Electrical Machines Curriculum", 5th International Symposium on Environment-Friendly Energies and Applications (EFEA 2018), Roma, Italy, September 2018
- IC05.** C. Bruzzese, F. Trentini, E. Santini, G. Joksimović "Sequence Circuit-Based Modeling of a Doubly Fed Induction Wind Generator for Eccentricity Diagnosis by Split-Phase Current Signature Analysis", 5th International Symposium on Environment-Friendly Energies and Applications (EFEA 2018), Roma, Italy, September 2018
- IC06.** G. Joksimović, "Parameterized dynamic model of cage induction machine", ICEM 2016, Lausanne, Switzerland, September 2016
- IC07.** G. Joksimović, "Synchronous Turbo-Generator Model Accounting for Rotor Whirl", Proceedings of the 18th Mediterranean Electrotechnical Conference, MELECON 2016, 5 pages, Limassol, Cyprus, April 2016, 978-1-5090-0058-6/16/\$31.00©2016 IEEE
- IC08.** M. Čalasan, N. Šoć, V. Vujičić, C. Hao, G. Joksimović, "Review of Marine Current Mathematical Models", Informacione tehnologije 2015, Februar 2015, Žabljak
- IC09.** M. Čalasan, N. Šoć, V. Vujičić, G. Joksimović, C. Hao, Q. Wang, X. Wang, "Review of marine current speed and power coefficient mathematical models", 4th Mediterranean conference on embedded computing, MECO 2015, Budva, Montenegro, June 2015.
- IC10.** V. Lešić, M. Vašak, N. Perić, Z. Jakopović, G. Joksimović, T.M. Wolbank, "Influence of Wind Generator Fault-tolerant Control on Power Production Quality", International Conference on Power Electronics, Machines and Drives, PEMD 2014, Manchester, UK, April 2014.
- IC11.** G. Joksimović, T.M. Wolbank, G. Stojčić, A. Zogović "Dynamic model of surface mounted permanent magnet synchronous machine", First International Conference on Electrical, Electronic and Computer Engineering IcETRAN 2014, ISBN 978-86-80509-70-9, pp. EE1.2.1-6, June 2014, Vrnjačka Banja, Serbia.
- IC12.** V. Lešić, M. Vašak, N. Perić, G. Joksimović, T. Wolbank, "Optimal flux magnitude tracking with application to fault-tolerant control of wind turbine generators", European Control Conference, ECC 13, Zürich, Switzerland, July 2013.
- IC13.** V. Lešić, M. Vašak, N. Perić, G. Joksimović, T.M. Wolbank, "Fault-tolerant Control of a Wind Turbine with a Squirrel-cage Induction Generator and Stator Inter-turn Faults", AMC 2012, Sarajevo, Bosnia and Herzegovina, March 2012, pp. 1-6. (Print ISBN: 978-1-4577-1072-8, DOI: 10.1109/AMC.2012.6197128)
- IC14.** V. Lešić, M. Vašak, G. Stojčić, N. Perić, G. Joksimović, T.M. Wolbank, "State and Parameter Estimation for Field-oriented Control of Induction Machine Based on Unscented Kalman Filter", SPEEDAM 2012, Sorrento, Italy, June 2012, pp. 409-414. (Print ISBN: 978-1-4673-1299-8, DOI: 10.1109/SPEEDAM.2012.6264421)
- IC15.** G. Joksimović, J. Riger, T. Wolbank, N. Perić, M. Vašak, G. Stojčić, V. Lešić, "Dynamic induction machine model accounting for stator and rotor slotting", pp. 207-212, ICEM 2012, Marseille, France, September 2012. (Print ISBN: 978-1-4673-0143-5, DOI: 10.1109/ICEIMach.2012.6349865)
- IC16.** G. Stojčić, G. Joksimović, M. Vašak, N. Perić, T. Wolbank, "Inter turn short circuit detection at higher modulation indexes including six step operation", ICEM 2012, Marseille, France, September 2012. (Print ISBN: 978-1-4673-0143-5, DOI: 10.1109/ICEIMach.2012.6350233)
- IC17.** G. Stojčić, M. Vašak, N. Perić, G. Joksimović, T. Wolbank, "Detection of partially fallen-out magnetic slot wedges in inverter fed ac machines under various load conditions", ECCE 2012, Raleigh, North Carolina, USA, September 2012. (Print ISBN: 978-1-4673-0802-1, DOI: 10.1109/ECCE.2012.6342278)
- IC18.** G. Stojčić, R. Magnet, G. Joksimović, M. Vašak, N. Perić, T. Wolbank, "Detecting partially fallen-out magnetic slot wedges in AC machines based on electrical quantities only", IECON 2012, Montreal, Canada, October 2012. (ISBN: 978-1-4673-2420-5)
- IC19.** G. Stojčić, J. Stanković, G. Joksimović, M. Vašak, N. Perić, T. Wolbank, "Increasing sensitivity of stator winding short circuit fault indicator in inverter fed induction machines", EPE PEMC 2012 ECCE Europe, Novi Sad, Serbia, 2012, pp: (DS2a.10-1)-(DS2a.10-6). **(BEST PAPER AWARD)**

- IC20.** V.Lešić, M.Vašak, M.Gulin, N.Perić, G.Joksimović, T.Wolbank, "Field-oriented control of an induction machine with winding asymmetries", EPE PEMC 2012 ECCE Europe, Novi Sad, Serbia, 2012, pp: (LS7b-1.2-1)- (LS7b-1.2-7).
- IC21.** G.Stojičić, M.Samonig, P.Nussbaumer, G.Joksimović, M.Vašak, N.Perić, T.M.Wolbank "Monitoring of Rotor Bar Faults in Induction Generators with Full-Size Inverter", EPE 2011, Birmingham, pp. 1-8, 2011. (Print ISBN: 978-1-61284-167-0)
- IC22.** G.Stojičić, P.Nussbaumer, G.Joksimović, M.Vašak, N.Perić, T.M.Wolbank, "Separating Inherent Asymmetries from High Sensitivity Rotor Bar Fault Indicator", SDEMPED 2011, Bologna, September 2011, 978-1-4244-9302-9/11/\$26.00 ©2011 IEEE.
- IC23.** G. Joksimović, J. Riger, T. Wolbank, N. Perić, M. Vašak, "Stator Line Current Spectrum Content of a Healthy Cage Rotor Induction Machine", SDEMPED 2011, Bologna, September 2011, 978-1-4244-9302-9/11/\$26.00 ©2011 IEEE.
- IC24.** G.Stojičić, M.Samonig, P.Nussbaumer, G.Joksimović, M.Vašak, N.Perić, T.M.Wolbank, "A Method to Detect Missing Magnetic Slot Wedges in AC Machines without Disassembling", IECON 2011, Melbourne, (Print ISBN: 978-1-61284-969-0, DOI: 10.1109/IECON.2011.619562)
- IC25.** V. Lešić, M.Vašak, N. Perić, T. Wolbank, G. Joksimović "Fault-Tolerant Control of a Blade-pitch Wind Turbine with Inverter-fed Generator", ISIE 2011, Gdansk, Poland, June 2011, 978-1-4244-9311-1/11/\$26.00 ©2011 IEEE.
- IC26.** V.Lešić, M.Vašak, N.Perić, T.M.Wolbank, G. Joksimović, "Fault-tolerant Control of a Wind Turbine with a Squirrel-cage Induction Generator and Rotor Bar Defects", EDPE 2011, The High Tatras, Slovakia, September 2011, pp. 364-369. (ISBN: 978-80-553-0734-3)
- IC27.** A.Zogović, G.Joksimović, "Line Current Spectrum of Healthy Saturated Wound Rotor Induction Motor", ERK 2011, Portorož, Slovenia, pp. A:345-348.
- IC28.** G.Joksimović "Stator current harmonics in saturated cage and wound rotor induction motors", ICEM 2010, Roma, Italy, September 2010 (on CD). (Print ISBN: 978-1-4244-4174-7, DOI: 10.1109/ICELMACH.2010.5608216)
- IC29.** G.Joksimović, C.Bruzzese, E.Santini "Static eccentricity detection in synchronous generators by field current and stator voltage signature analysis – Part I: Theory", ICEM 2010, Roma, Italy, September 2010 (on CD). (Print ISBN: 978-1-4244-4174-7, DOI: 10.1109/ICELMACH.2010.5607945)
- IC30.** C.Bruzzese, G.Joksimović, E.Santini "Static eccentricity detection in synchronous generators by field current and stator voltage signature analysis – Part II: Measurements", ICEM 2010, Roma, Italy, September 2010 (on CD). (Print ISBN: 978-1-4244-4174-7, DOI: 10.1109/ICELMACH.2010.5607946)
- IC31.** G.Joksimović "Modeling and Analysis of Series-Connected Wound Rotor Induction Motor", ICEM 2008, Vilamoura, Portugal (on CD). (Print ISBN: 978-1-4244-1735-3, DOI: 10.1109/ICELMACH.2008.4800247)
- IC32.** G.Joksimović "Double-fed induction machine – dynamic modeling using winding function approach", IEMDC 2007, Antalya, Turkey (on CD). (Print ISBN: 1-4244-0742-7, DOI: 10.1109/IEMDC.2007.382751)
- IC33.** G.Joksimović "Differential leakage reactance in multiphase induction machines", ICEM 2006, Chania, Crete, Greece (on CD).
- IC34.** M.Aoulkadi, A. Binder, G. Joksimović "Additional losses in high-speed induction machine – removed rotor test", EPE 2005, Dresden, Germany. ISBN: 90-75815-08-5
- IC35.** G.Joksimović, "An approach to dynamic simulation of dynamic eccentricity in induction machines", EPE–PEMC 2002, Dubrovnik-Cavtat, Croatia.
- IC36.** A.Obradović, M.Đurović, G.Joksimović, "Sensorless Speed Detection Using Wavelet Decomposition", 9th European Conference on Power Electronics and Applications, EPE 2001, Graz, 27-29 August 2001.
- IC37.** G.Joksimović, M.Đurović, "Dynamic Analysis of Switched Reluctance Motor – Winding Function Approach" Proceedings of International Conference on Electrical Machines, ICEM'2000, Helsinki, Finland, pp. 1569-1572. (ISBN:951-22-5097-7)
- IC38.** M.Đurović, A.Obradović, G.Joksimović, "Sensorless Detection of Speed of Induction Machines Using Recursive Short Time Furrier Transform", Proceedings of EPE–PEMC 2000, Košice, Slovakia, pp.(6-98)–(6-100).
- IC39.** M.Đurović, G.Joksimović, A.Obradović, "The Analysis of the Dynamic Performance of the Induction Machine Supplied by Non–Sinusoidal Voltages", EDPE'99, The High Tatras, Slovakia, pp: 116-120 (ISBN 80-88922-06-2)
- IC40.** M.Đurović, A.Obradović, G.Joksimović, V.Vujičić, "Using PDM in Control of Single Phase Induction Motor", PEMC'98, Prague, Czech, pp: (5-247)–(5-250).
- IC41.** G.Joksimović, J.Penman, "The Detection of Interturn Short Circuits in the Stator Windings of Operating Motors", 24th Annual Conference of the IEEE Industrial Electronics Society, IECON'98, Aachen, Germany, 1998, pp: 1974-1979. (Print ISBN 0-7803-4503-7, DOI:10.1109/IECON.1998.724020)

- IC42.** M.Đurović, A.Obradović, G.Joksimović, V.Vujičić, *"The Analysis of the Transformers for Tubular Fluorescent Lamps Using Neural Network"*, ISEF'97, September 1997, Gdansk, Poland
- IC43.** M.Đurović, G.Joksimović, *"Optimal Performance of Double Fed Induction Generator in Windmills"*, World renewable energy conference IV (WREC-IV), Vol.9, No.1-4, pp.862-865, June 1996, Denver, Colorado, USA
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- RC03.** G. Joksimović, *"Rotorovi žljebni harmonici i parazitski momenti kaveznog asinhronog motora"*, ETRAN 2017, Jun 2017, Kladovo, Srbija.
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- RC15.** G. Joksimović, "Modeliranje statičkog ekscentriciteta rotora indukcionog motora", ETRAN 2003, June 2003, Herceg Novi, pp: 401-404.
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- RC17.** G. Joksimović, A. Obradović, "Mjerenje elektromagnetskog momenta indukcionog motora snimanjem linijskih napona i struja", Informacione tehnologije, IT99, Mart 1999, Žabljak, pp: 336-339.
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- RC19.** G. Joksimović, M. Đurović, "Analiza dinamičkih režima indukcionog motora metodom mnogostruko spregnutih kola – winding function approach", Jugoslovenski komitet CIGRE, 23. simpozijum, Maj 1997, Herceg Novi.
- RC20.** V. Dragović, J. Karišik, Z. Vukajlović, G. Joksimović, A. Obradović, V. Vujičić, "Ispitivanje transformatora u režimu praznog hoda i kratkog spoja računarskim sistemom ETF-CAI Trafo monitoring (ETM)", Savetovanje Transformatori u Elektroenergetici, Mart 1996, Beograd.
- RC21.** M. Đurović, R. Stojanović, G. Joksimović, B. Marković, "Monitoring transformatora koristeći hardverski interapt kod IBM kompatibilnih personalnih računara", Jugoslovenski komitet CIGRE, 21. simpozijum, Vrnjačka Banja, Oktobar 1993.

Membership in PhD Committees

- PhD dissertation of Mr Goran Stojčić, "Detection of Stator and Rotor Fault induced Asymmetries in Induction Machines using Voltage Pulse Excitation", Dissertation, ausgefuehrt zum Zwecke der Erlangung des akademischen Grades eines Doktors der technischen Wissenschaften, TU Wien, Fakultat fuer Elektrotechnik und Informationstechnik, 17. 05. 2018.
- External examiner for PhD dissertation of Mr. Javier Martinez, PhD student of Aalto University, 2015.
- PhD dissertation of Mr Martin Ganchev, "Sensorless Rotor Magnet Temperature Estimation of Permanent Magnet Synchronous Motors", Dissertation, wissenschaftliche Arbeit zur Erlangung des akademischen Grades Dr. techn. vorgelegt von Martin Ganchev, vorgelegt am 01. 11. 2013, 1. Gutachter Prof. Thomas Wolbank (Vienna University of Technology), 2. Gutachter Prof. Gojko Joksimovic (University of Montenegro).

Scientific projects

- 2019 – underway: International scientific project “*Induction motor efficiency improvement through optimal electromagnetic design solutions - IMEI*”. Partners: University of Montenegro (Prof. dr Gojko Joksimović) and University of Trieste (Prof. Alberto Tassarolo)
- 2018 – underway: Bilateral project, “*Poboljšanje energetske efikasnosti invertorski napajanog asinhronog motora izborom optimalnog broja štapova rotora*” between University of Montenegro (Prof. dr Gojko Joksimović) and University of Ljubljana, Slovenia (Prof. Vanja Ambrožič).
- 2014-2016: Bilateral project, “*Research on novel switched reluctance ocean current generator system*” between University of Montenegro (Prof. dr Gojko Joksimović) and China University of Mining and Technology (Prof. Chen Hao).
- 2013-2014: Bilateral project “*Using an adapted winding function approach to model and investigate fault conditions in inverter fed drives with special emphasis to surface mounted permanent magnet machines*” between University of Montenegro (Prof. dr Gojko Joksimović) and Vienna University of Technology (Prof. Thomas Wolbank).
- 2010-2012: International Scientific project, “*Monitoring of wind turbine generator systems, MONGS*”, SEE-ERA NET PLUS, FP7, European Commission, partners on the project: Technical University Wien (Prof. Thomas Wolbank), Wien, Austria, University of Montenegro (Prof. dr Gojko Joksimović) and University of Zagreb (Prof. dr Neđeljko Perić), Zagreb, Croatia.
- 2008-2011: National Scientific Project, “*Stator current spectrum analysis of saturated induction machine*”, Prof. dr Gojko Joksimović, Ministry of Education and Science, Montenegro.
- 2006-2008: National Scientific Project, “*Saturated induction machine dynamic model development*”, Prof. dr Gojko Joksimović, Ministry of Education and Science, Montenegro.

Lectures held on foreign Universities

- Series of Lectures held as a guest Professor at the Faculty of Electrical Engineering and Computing, Zagreb, Croatia, 13. 01. 2020 – 17. 01. 2020:
 - Winding function definition and its use for analysis of AC winding magnetomotive force (mmf) spectral content - Monday, 13. 01. 2020.
 - Analysis of cage rotor winding mmf spectra using winding function approach - Tuesday 14. 01. 2020.
 - Self and mutual inductance calculation by using winding function definition – impact of skewing of rotor bars on mutual inductance curve - Wednesday, 15. 01. 2020.
 - Numerical model of induction machine based on mutually coupled circuits and winding function approach for inductance calculation - Thursday, 16. 01. 2020.
- Lecture „*Modeling of induction machine by multiple coupled circuit approach*” Chinese University of Mining and Technology, Xuzhou, China, 18. December 2015.
- Lecture “*Modeling of induction machines using winding function approach*”, University La Sapienza, Roma, Italy, 09. July 2009.
- Lecture “*Eccentricity modelling of induction machines using winding functions*” University La Sapienza, Roma, Italy, 10. July 2009.
- Lecture „*Modeling of induction machine dynamics by using winding function approach*” Moscow Power Energy Institute, Moscow, Russia, 17. June 2006.

Honours and Awards

- **Winner of the University of Montenegro Plaque for 2020:** for contribution to the international recognition of University of Montenegro
- **Alexander von Humboldt research fellow:** research fellow at the Technische Universität Darmstadt, Institut fuer Elektrische Energiewandlung, Darmstadt, Germany, 2001/2002
- “**The British Scholarship Trust for Citizens from Former Yugoslavia**” research fellowship: visiting research fellow at the Department of Engineering, University of Aberdeen, Scotland, UK, 1997/1998

Memberships

- Senior member of IEEE from 2011

Citations

- **Author of the most cited paper (as a first author) from the University of Montenegro:** G. M. Joksimović, J. Penman, „The detection of inter-turn short circuits in the stator windings of operating motors” IEEE Transactions on Industrial Electronics 47 (5), 1078-1084, 2000 – cited 552 times on 22. 04. 2021. according to Google Scholar: <https://scholar.google.com/citations?user=3rKzBjsAAAAJ&hl=en>
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- **39928** reads on 22.04.2021. according to Research Gate: https://www.researchgate.net/profile/Gojko_Joksimovic



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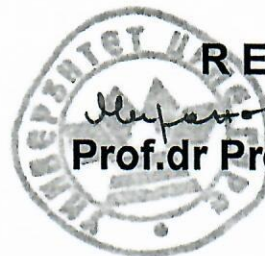
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**ODLUKU
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Dr GOJKO JOKSIMOVIĆ bira se u akademsko zvanje **redovni profesor** Univerziteta Crne Gore za predmete: Osnove elektrotehnike I (osnovne studije), Osnove elektrotehnike II (osnovne studije ETR), Uvod u električne mašine i transformatore (osnovne studije) i Električne mašine u elektroenergetskim sistemima (osnovne studije) na **Elektrotehničkom fakultetu**.

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РЕКТОР
Predrag Miranović
Prof.dr Predrag Miranović

Primljeno	Broj	Prilog	Vrijednost
10.03.2021	02/1	380	

Univerzitet Crne Gore
Elektrotehnički fakultet

Komisiji za doktorske studije

Zahtjev za određivanje mentora na doktorskim studijama

Poštovani,

obraćam Vam se zahtjevom za određivanje mentora na doktorskim studijama Elektrotehničkog fakulteta Univerziteta Crne Gore, a u skladu sa Pravilima doktorskih studija.

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Aldin Kajević

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Gojko Joksimović

Podgorica 10. 03. 2021. godine