



Univerzitet Crne Gore

Univerzitet Crne Gore
ELEKTROTEHNIČKI FAKULTET

81000 Podgorica, Dž. Vašingtona bb, tel. (020) 245 839, fax: (020) 245 873
Ž.R. 510-255-51, PIB: 02016702 302, PDV: 30/31-03951-6



Broj: 02/1-1744/1
Datum: 21.10.2021

UNIVERZITET CRNE GORE

- Odboru za doktorske studije -

- Senatu -

OVDJE

U prilogu dostavljamo Odluku Vijeća Elektrotehničkog fakulteta, sa sjednice od 18.10.2021. godine, o predlogu za imenovanje **komentora** kandidatu MSc **Ivanu Martinoviću** i **obrazac M**, sa pratećom dokumentacijom, na dalje postupanje.



DEKAN,
Prof. dr Saša Mujović





Broj: 02/1-1744
Datum: 18.10.2021

Na osnovu člana 64 Statuta Univerziteta Crne Gore, člana 29 Pravila doktorskih studija i Predloga Komisije za doktorske studije, Vijeće Elektrotehničkog fakulteta u Podgorici, na sjednici od 18.10.2021. godine, donijelo je

ODLUKU

Predlaže se **dr Ervin Sejdić**, vanredni profesor, University of Toronto - Edward S. Rogers Sr. Department of Electrical & Computer Engineering, Canada, za komentora, za izradu doktorske disertacije, MSc Ivanu Martinoviću, studentu doktorskih studija na Elektrotehničkom fakultetu u Podgorici.

Obrazloženje

MSc Ivanu Martinoviću, studentu doktorskih studija na Elektrotehničkom fakultetu u Podgorici, Senat je imenovao mentora za izradu doktorske disertacije - doc. dr Milenu Đukanović, Odlukom broj 03-645/1 od 13.05.2021. godine.

MSc Ivan Martinović, sa mentorom - doc. dr Milenom Đukanović, obratio se Komisiji za doktorske studije na Elektrotehničkom fakultetu Predlogom, broj 02/1-1350 od 14.09.2021. godine, da mu se za izradu doktorske disertacije odredi i komentor - prof. dr Ervin Sejdić, University of Toronto - Edward S. Rogers Sr. Department of Electrical & Computer Engineering, Canada.

Vijeće Fakulteta je, na predlog Komisije za doktorske studije Elektrotehničkog fakulteta, na sjednici održanoj 18.10.2021. godine, odlučilo kao u dispozitivu.

-VIJEĆE ELEKTROTEHNIČKOG FAKULTETA-



DEKAN,

Prof. dr Saša Mujović

Dostavljeno:



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



MENTORSTVO

Kandidat: Ime i prezime		MSc Ivan Martinović	
PREDLOŽENI MENTOR/I			
	Titula, ime i prezime	Ustanova i država	Naučna oblast
Prvi mentor * ¹			
Drugi mentor	Prof. dr Ervin Sejdić	Univerzitet Toronto, Edward S. Rogers Sr. Department of Electrical & Computer Engineering, Kanada	Biomedical Engineering
Sjednica Vijeća organizacione jedinice na kojoj je izvršeno predlaganje mentora		18.10.2021. god.	
KOMPETENCIJE MENTORA (pet objavljenih radova u relevantnim časopisima)			
Prvi mentor	1		
	2		
	3		
	4		
	5		
Drugi mentor	1	Y. Khalifa, J. L. Coyle, E. Sejdić, "Non-invasive identification of swallows via deep learning in high resolution cervical auscultation recordings," Scientific Reports, vol. 10, pp. 8704-1-13, May 2020.	
	2	Z. Zhang, S. Perera, C. Donohue, A. Kurosu, A. S. Mahoney, J. L. Coyle, E. Sejdić, "The prediction of risk of penetration-aspiration via hyoid bone displacement features," Dysphagia, vol. 35, no. 1, pp. 66-72, Feb. 2020.	
	3	E. Sejdić, G. A. Malandraki, J. L. Coyle, "Computational deglutition: Signal and image processing methods to understand swallowing and associated disorders," IEEE Signal Processing Magazine, vol. 36, no. 1, pp. 138 – 146, Jan. 2019. PA	
	4	Z. Zhang, J. L. Coyle, E. Sejdić, "Automatic hyoid bone detection in fluoroscopic images using deep learning," Scientific Reports, pp. 12310-1-9, Aug. 2018.	

¹ Mentor za izradu doktorske disertacije kandidata mr Ivana Martinovića izabran je na sjednici Senata od 13.05.2021. godine (Odluka br. 03-645/1)

	5	J. M. Dudik, J. L. Coyle, A. El-Jaroudi, Z.-H. Mao, M. Sun, E. Sejdić, "Deep learning for classification of normal swallows in adults," Neurocomputing, vol. 285, pp. 1-9, Apr. 2018.		
PODACI O MAGISTRANDIMA I DOKTORANDIMA				
	Broj magistranada		Broj doktoranada	
	trenutno	ukupno	trenutno	ukupno
Prvi mentor				
Drugi mentor	3	23 (+7 komentor)	8	14
Datum i ovjera (pečat i potpis odgovorne osobe)				
U Podgorici, 18.10.2021. god.				
		DEKAN  Prof. dr Saša Mujović		

Biography

Professor Ervin Sejdić, Research Chair in Artificial Intelligence for Health Outcomes at Research & Innovation, North York General Hospital, is an Associate Professor in the Edward S. Rogers Sr. Department of Electrical & Computer Engineering at the University of Toronto. He received B.E.Sc. and Ph.D. degrees in electrical engineering from the University of Western Ontario in 2002 and 2008, respectively. He was a postdoctoral fellow at the University of Toronto with a cross-appointment at Holland Bloorview Kids Rehabilitation Hospital, Canada's largest children's rehabilitation teaching hospital. From 2010 until 2011, he was a research fellow at Harvard Medical School with a cross-appointment at Beth Israel Deaconess Medical Center. In 2011, Professor Sejdić joined the Department of Electrical and Computer Engineering at the University of Pittsburgh as a tenure-track Assistant Professor, subsequently promoted to a tenured Associate Professor. He also held secondary appointments in the Department of Bioengineering (Swanson School of Engineering), the Department of Biomedical Informatics (School of Medicine), and the Intelligent Systems Program (School of Computing and Information) at the University of Pittsburgh.

From his earliest research, he has been eager to contribute to the advancement of scientific knowledge through carefully executed experiments and ground-breaking published work. For his strong contributions, Sejdić was named the editor-in-chief of Biomedical Engineering Online; an area editor of the IEEE Signal Processing Magazine, the highest rated journal in the field of signal processing; and an associate editor of Digital Signal Processing and IEEE Transactions on Biomedical Engineering. Sejdić's research interests include biomedical signal processing, gait analysis, swallowing difficulties, advanced information systems in medicine, rehabilitation engineering, assistive technologies and anticipatory medical devices.

Sejdić is committed to excellence in education and strives to guide and motivate students to fully understand the fundamental principles of applied sciences, and pays considerable attention to providing students with a learning environment that stimulates collaborative discussions.

Memberships/Awards

- Chancellor's Distinguished Research Award (Junior Scholar), University of Pittsburgh, 2018
- Fulton C. Noss Faculty Fellow, University of Pittsburgh, 2017 – 2021
- National Science Foundation, CAREER: The Faculty Early Career Development Award, 2017 – 2022
- Barack Obama, President of the United States, Presidential Early Career Award for Scientists and Engineers, 2016
- Institute for Aging Research, Hebrew Senior Life, Melvin First Young Investigator's Award, 2010
- Natural Sciences and Engineering Research Council of Canada, Postgraduate Scholarship D2, 2005 – 2007

Scholarly and Professional Affiliations

- Member, American Association for the Advancement of Science
- Member, Biomedical Engineering Society
- Senior Member, Institute of Electrical and Electronics Engineers (IEEE)

Publications

1. Y. Khalifa, J. L. Coyle, E. Sejdić, "Non-invasive identification of swallows via deep learning in high resolution cervical auscultation recordings," *Scientific Reports*, vol. 10, pp. 8704-1-13, May 2020.
2. Z. Zhang, S. Perera, C. Donohue, A. Kurosu, A. S. Mahoney, J. L. Coyle, E. Sejdić, "The prediction of risk of penetration-aspiration via hyoid bone displacement features," *Dysphagia*, vol. 35, no. 1, pp. 66-72, Feb. 2020.
3. Q. He, S. Perera, Y. Khalifa, Z. Zhang, A. S. Mahoney, A. Sabry, C. Donohue, J. L. Coyle, E. Sejdić, "The association of high resolution cervical auscultation signal features with hyoid bone displacement during swallowing" *IEEE Transactions on Neural Systems and Rehabilitation Engineering*, vol. 27, no. 9, pp. 1810-1816, Sep. 2019.
4. S. Mao, Z. Zhang, Y. Khalifa, C. Donohue, J. L. Coyle, E. Sejdić, "Neck sensor-supported hyoid bone movement tracking during swallowing" *Royal Society Open Science*, vol. 6, no. 7, pp. 181982-1-11, July 2019.
5. Z. Zhang, E. Sejdić, "Radiological images and machine learning: trends, perspectives, and prospects," *Computers in Biology and Medicine*, vol. 108, pp. 354-370, May 2019.
6. E. Sejdić, G. A. Malandraki, J. L. Coyle, "Computational deglutition: Signal and image processing methods to understand swallowing and associated disorders," *IEEE Signal Processing Magazine*, vol. 36, no. 1, pp. 138 – 146, Jan. 2019. **PA**
7. C. Rebrion, Z. Zhang, Y. Khalifa, M. Ramadan, A. Kurosu, J. L. Coyle, S. Perera, E. Sejdić, "High resolution cervical auscultation signal features reflect vertical and horizontal displacement of the hyoid bone during swallowing," *IEEE Journal of Translational Engineering in Health and Medicine*, vol. 7, pp. 1800109-1-9, 2019.
8. Z. Zhang, J. L. Coyle, E. Sejdić, "Automatic hyoid bone detection in fluoroscopic images using deep learning," *Scientific Reports*, pp. 12310-1-9, Aug. 2018.
9. J. M. Dudik, J. L. Coyle, A. El-Jaroudi, Z.-H. Mao, M. Sun, E. Sejdić, "Deep learning for classification of normal swallows in adults," *Neurocomputing*, vol. 285, pp. 1-9, Apr. 2018.
10. J. M. Dudik, J. L. Coyle, E. Sejdić, "Dysphagia screening: Contributions of cervical auscultation signals and modern signal processing techniques," *IEEE Transactions on Human-Machine Systems*, vol. 45, no. 4, pp. 465-477, August 2015.



UNIVERSITY OF
TORONTO

OFFICE OF THE PRESIDENT

Meric S. Gertler, CM, FRSC, FBA, FAcSS
President

February 23, 2021

Professor Ervin Sejdić
Edward S. Rogers Sr. Department of Electrical & Computer Engineering
University of Toronto
ervin.sejdic@utoronto.ca

Dear Professor Sejdić:

Congratulations on your recent award of tenure at the University of Toronto at the rank of Associate Professor. I am delighted that you will be joining our professoriate, and I look forward to your contributions.

My colleagues join me in conveying best wishes to you on this achievement.

Sincerely,

Meric S. Gertler
President

Komisiji za doktorske studije
Univerzitet Crne Gore
Elektrotehnički fakultet

Crna Gora	
UNIVERZITET CRNE GORE	
ELEKTROTEHNIČKI FAKULTET	
Broj	14.09.2021
Ukupno	02/1 1350
Ukupno	

IZJAVA

Ja, Ivan Martinović JMBG 0308995250025 za svog ko-mentora na doktorskim studijama na Elektrotehničkom fakultetu u Podgorici predlažem prof. dr Ervina Sejdica sa Univerziteta Toronto, Kanada. Ova izjava se podnosi uz saglasnost mentora doc. dr Milene Đukanović i predloženog ko-mentora.

Davalac izjave
Ivan Martinović

Ivan Martinović

Mentor
doc.dr Milena Đukanović

M. Đukanović

Predloženi ko-mentor
Prof. dr Ervin Seidic

Ervin Seidic