



International University of Sarajevo			
PRIMLJENO-4.02.2023. 02.02.2023.			
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BILINGUAL REPORT – DVOJEZIČNI IZVJEŠTAJ

**COMMITTEE FOR PREPARATION OF PROPOSALS FOR APPOINTMENT
INTO ACADEMIC TITLE OF SCIENTIFIC FIELD OF "ELECTRICAL ENGINEERING"**

To the Faculty Council of the Faculty of Engineering and Natural Sciences

Pursuant to Article 124, of the Law on Higher Education ("Official Gazette of Sarajevo Canton" 36/22) and based on the Decision of the Council of the Faculty of Engineering and Natural Sciences, number: IUS-FENS 06-125/23, the Committee for preparation of proposals for the appointment to academic title of assistant professor for scientific field of *Electrical Engineering*, composed of:

1. **Dr. Tarik Namas**, associate professor at the Faculty of Engineering and Natural Sciences; appointed for the scientific field of *Electrical Engineering*,
2. **Dr. Mohamed Al Samman**, assistant professor at the Faculty of Engineering and Natural Sciences; appointed for the scientific field of *Electrical Engineering*, and
3. **Dr. Nasser Badawi**, assistant professor at the Faculty of Engineering and Natural Sciences; appointed for the scientific field of *Electrical Engineering*.

evaluated the application of Dr. Emir Omerdić for the appointment to position of Assistant Professor for the scientific field of *Electrical Engineering* upon public vacancy announcement published in the newspaper *Nezavisne novine* and web page on December 6th, 2022, and submits the following

REPORT with a Proposal for Appointment to the Academic Title

Applicant's name: DR. EMIR OMERDIĆ per his application for appointment into academic title of Assistant Professor

Dr. Emir Omerdić was born in 1970 in Tuzla, BiH. He graduated in 1997 from Tuzla University and in 2006 Dr. Omerdić obtained MSc in electrical engineering from Tuzla University, and in 2022. He obtained his PhD degree in Electrical Engineering, with the doctoral dissertation entitled "*Control system for directly connected offshore wind turbines*". From same university.

Dr. Omerdić has extensive industrial experience, between the years 1997 and 2003 he worked as maintenance engineer in Tuzla power plant, and from 2003 till 2014 he worked as the senior maintenance engineer in Cement factory in Lukavac BiH, while from 2014 until now he is the head of maintenance department in Lukavac cement factory.

Besides his industrial experience, he has a long time academic affiliation with Tuzla University as a part time teaching assistant from 2009 until now.



Dr. Omerdić attended large number of industrial training workshops organized by the largest international companies in the field of maintenance, industrial automation and instrumentation.

KOMISIJA ZA PRIPREMANJE PRIJEDLOGA ZA IZBOR U AKADEMSKO NASTAVNO ZVANJE ZA NAUČNU OBLAST „ELEKTROTEHNIKA”

VIJEĆU FAKULTETA PRIRODNIH I TEHNIČKIH NAUKA

Na osnovu člana 124. Zakona o visokom obrazovanju („Službene novine Kantona Sarajevo“ 36/22), postupajući na osnovu Odluke Vijeća Fakulteta prirodnih i tehničkih nauka, broj: IUS-FENS 06-125/23, Komisija za pripremanje prijedloga za izbor u akademska zvanja za naučnu oblast „Elektrotehnika“, u sastavu:

1. **Dr. Tarik Namas**, vanredni profesor na Fakultetu prirodnih i tehničkih nauka Internacionarnog univerziteta u Sarajevu, izabran za naučnu oblast „Elektrotehnika“,
2. **Dr. Mohamed Al Samman**, docent na Fakultetu prirodnih i tehničkih nauka Internacionarnog univerziteta u Sarajevu, izabran za naučnu oblast „Elektrotehnika“, i
3. **Dr. Nasser Badawi**, docent na Fakultetu prirodnih i tehničkih nauka Internacionarnog univerziteta u Sarajevu, izabran za naučnu oblast „Elektrotehnika“.

nakon izvršene analize prijave za zvanje docenta, podnesene po javnom konkursu od 06.12.2022. godine u dnevnim novinama „Nezavisne novine“ i internet stranici Internacionarnog univerziteta u Sarajevu, od strane aplikanta Dr. Emir Omerdić, Komisija podnosi *sljedeći*:

IZVJEŠTAJ sa prijedlogom za izbor u zvanje

Kandidat: DR. EMIR OMERDIĆ, postupajući po prijavi za zvanje Docenta

Dr. Emir omerdić rođen je 1970. godine u Tuzli, Bosna i Hercegovina. Diplomirao je 1997. godine na Univerzitetu u Tuzli, i 2006. godine stekao titulu Mastera elektrotehnike na Univerzitetu u Tuzli. 2022. godine stekao je titulu doktora nauka u oblasti elektrotehnike, odbranivši doktorsku disertaciju pod nazivom „*Control system for directly connected offshore wind turbines*“, na istom univerzitetu.

Dr. omerdić ima veliko iskustvo u industriji, stečeno u period između 1997. i 2003 godine, dok je radio kao inžinjer održavanja u elektrani u Tuzli. Također, od 2003. do 2014. godine radio je kao viši inžinjer održavanja u Cement fabrici u Lukavcu, BiH. Od 2014. godine do danas, obavlja funkciju šefa odjela održavanja u Cement fablici u Lukavcu.



Pored industrijskog iskustva, također ima i dugogodišnje akademsko iskustvo na Tuzlanskom univerzitetu, radeći kao part-time asistent, od 2009. godine do danas.

Dr. Omerdić je pristupovao velikom broju industrijskih radionica organizovanih od strane velikih međunarodnih kompanija iz oblasti održavanja, industrijske automatizacije i instrumentacije.

A. EDUCATION / OBRAZOVANJE

PhD / Doktorski studij	Electrical Engineering, Faculty of Electrical Engineering Tuzla, B&H / Elektrotehnika, Elektrotehnički fakultet u Tuzli, BiH	2022
MSc/ Master studij	Electrical Engineering, Faculty of Electrical Engineering Tuzla, B&H / Elektrotehnika, Elektrotehnički fakultet u Tuzli, BiH	2006
Undergraduate / Dodiplomski studij	Electrical Engineering, Faculty of Electrical Engineering Tuzla, B&H / Elektrotehnika, Elektrotehnički fakultet u Tuzli, BiH	1997

B. ACADEMIC WORK EXPERIENCE / AKADEMSKO RADNO ISKUSTVO

Teaching Assis./ Asistent Electrical Engineering, Faculty of Electrical Engineering Tuzla, B&H 2009-

C. LIST OF SCIENTIFIC AND OTHER PUBLICATIONS

- OMERDIĆ E., OSMIĆ J, A. O'DONNEL C., OMERTIĆ E. Control Algorithm for Parallel Connected Offshore Wind Turbine Generators. Energies 2021, 14, 4670. <https://doi.org/10.3390/en14154670>, 2021.
- OMERDIĆ E., OSMIĆ J, A. TOAL D.A New Control Algorithm for Directly Interconnected Offshore Wind Turbine Generators, 54. International University Power Engineering Conference, UPEC 2019, September 2019, Bucharest, Romania.
- OSMIĆ J, KUŠLIJUGIĆ M. A. MUJČINAGIĆ A, OMERTIĆ E., EBRAHIMISALARI M., TOAL D.Improved Real Time Emulator of a Wind Turbine Dynamic Model, MEDPOWER, 2018.
- OSMIC, J. and E. OMERTIC. Design and Implementation of Real Time Monitoring System of Water Flow in Hydro Power Plants Using Virtual Instrumentation Software. TMT 2011, Prague, Czech Republic, 12-18 September 2011.
- OMERTIC, E., D. TOAL and E. OMERTIC. Smart ROV LATIS: Flexible Survey Platform for Surface and Underwater Operations. ICAT 2009 - Sarajevo.
- RAHMANOVIC, S., V. DOLOCEK and E. OMERTIC. Signature Vibration Analysis for Detection of Faults in an Industrial Fan. Mechatronics 2008, June 23-25, University of Limerick, Ireland.



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7. OMERTIC, E., N. PRILJACA and J. OSMIC. Optimisation of Mathematical Model Of Cement Clinker Production in Factories. IFAC CEFIS, October 2007, Istanbul, Turkey.
8. OMERTIC, E., N. PRILJACA and J. OSMIC. Mathematical Modelling of Cement Clinker Production in Factories. DECOM IFAC Workshop, May 2007, Cesme, Turkey.
9. RAHMANOVIC, S. and E. OMERTIC. Online Vibration Monitoring of Machines in Cement Plant to Prevent Failures. DECOM IFAC Workshop, May 2007, Cesme, Turkey.

D. INTRODUCTORY LECTURE

Dr. Emir Omerdić does not need to deliver introductory lecture since he participated in the implementation of the teaching process at the higher education institution.

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Dr. Emir Omerdić ne treba održati pristupno predavanje obzirom da je sudjelovao u realizaciji nastavnog procesa na visokoškolskoj ustanovi.



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H - PROPOSAL AND RATIONALE

Based on the scientific work since the appointment to the academic title of associate professor, in accordance with the Law on Higher Education of Sarajevo Canton ("Official Gazette of Sarajevo Canton" No: 36/22), the Selection Committee unanimously propose to the Council of the Faculty of Engineering and Natural Sciences to appoint DR. EMIR OMERDIĆ to the academic title of ASSISTANT PROFESSOR for the scientific field of "ELECTRICAL AND ELECTRONICS ENGINEERING" at the Faculty of Engineering and Natural Sciences of the International University of Sarajevo.

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Na osnovu naučnog rada od izbora u akademsko zvanje vanrednog profesora, u skladu sa odredbama Zakona o visokom obrazovanju Kantona Sarajevo ("Službene novine Kantona Sarajevo" br: 36/22), Komisija za izbor jednoglasno predlaže Vijeću Fakulteta prirodnih i tehničkih nauka Internacionalnog univerziteta u Sarajevu da se DR. EMIR OMERDIĆ izabere za nastavnika u naučno-nastavnom zvanju DOCENT PROFESOR za naučnu oblast "ELEKTROTEHNIKA", na Fakultetu prirodnih i tehničkih nauka Internacionalnog univerziteta u Sarajevu.

COMMITTEE / KOMISIJA

1. Dr. Tarik Namas

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2. Dr. Mohamed Al Samman,

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(Signature / Potpis)

3. Dr. Nasser Badawi

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(Signature / Potpis)