BILINGUAL REPORT – DVOJEZIČNI IZVJEŠTAJ

**COMMITTEE FOR PREPARATON OF PROPOSALS FOR APPOINTMENT INTO ACADEMIC TITLE OF SCIENTIFIC FIELD OF "MECHANICAL ENGINEERING"**

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

Pursuant to Article 107, paragraph (3) of the Law on Higher Education ("Official Gazette of Sarajevo Canton" 33/17, 35/20, 40/20 and 39/21) and based on the Decision of the Council of the Faculty of Engineering and Natural Sciences, No. IUS-FENS 06-992/22 dated April 15th, 2022, acting in accordance with the submitted Confirmation Certificate by Administrative Service, No. IUS-FENS-06-980-1/22 (attached to this Report), the Committee for preparation of proposals for the appointment to academic titles composed of:

1. **Dr. Asif Šabanović**, emeritus professor at the Faculty of Engineering and Natural Sciences; appointed for the course *Robotics and Management of Production systems* at Department of Automation and Electronics, Faculty of Electrical Engineering of the University of Sarajevo,

2. **Dr. Ejub Džaferović**, full professor at the Faculty of Mechanical Engineering of the University of Sarajevo; appointed for scientific field *Process, Energy and Environmental Engineering,* and

3. **Dr. Armin Teskeredžić**, full professor at the Faculty of Mechanical Engineering of the University of Sarajevo; appointed for scientific field of *Energetics and HVAC Engineering.*

Evaluated application of Dr. Muhamed Hadžiabdić for the appointment to position of Full Professor in the field of *Mechanical Engineering* upon public vacancy announcement published in newspaper *Nezavisne novine* and web page on April 5th, 2022, and submits the following

**REPORT with a Proposal for Appointment to the Academic Title**

**Applicant's name: DR. MUHAMED HADŽIABDIĆ, per application for appointment into academic title of Full Professor**

Dr. Muhamed Hadžiabdić, born in 1974. in Sarajevo, graduated from the Faculty of Mechanical Engineering, University of Sarajevo in 1999. He received his PhD from the Technical University of Delft, Kingdom of the Netherlands in 2006 with doctoral dissertation entitled *LES, RANS and combined simulation of impinging ows and heat transfer*. After completing his doctorate, Dr. Hadžiabdić continued his research work at the University of Delft, and in early 2007 he began working at the International University of Sarajevo (IUS), firstly as assistant professor and then as associate professor. In the period from 2012 to 2015, he served as Vice-Rector for International Cooperation and Research at IUS. Also, Dr. Hadžiabdić performed other duties at IUS as his home institution; Chairman of the Graduate Council, Chairman of the Institutional Accreditation Committee of IUS, Program Coordinator for Mechanical

Engineering, etc. In addition to the above, Dr. Hadžiabdić achieved wider social engagement as a member of the Science Council of Ministry of Science, Higher Education and Youth of Canton Sarajevo, member of the Department of Energy and Ecology of the Academy of Sciences and Arts of BiH, member of the committee for drafting the Law on Higher Education of Canton Sarajevo, etc.

**KOMISIJA ZA PRIPREMANJE PRIJEDLOGA ZA IZBOR U AKADEMSKO NASTAVNO ZVANJE ZA NAUČNU OBLAST „MAŠINSTVO"**

**VIJEĆU FAKULTETA PRIRODNIH I TEHNIČKIH NAUKA**

Na osnovu člana 107., stav (3) Zakona o visokom obrazovanju („Službene novine Kantona Sarajevo" 33/17, 35/20, 40/20 i 39/21), postupajući na osnovu Odluke Vijeća Fakulteta prirodnih i tehničkih nauka, broj: IUS-FENS 06-992/22 od 15.04.2022. godine i Potvrde Stručne službe, broj: IUS-FENS-06-980-1/22 (u sastavu ovog izvještaja), Komisija za pripremanje prijedloga za izbor u akademska zvanja za naučnu oblast „Mašinstvo", u sastavu:

1. **Dr. Asif Šabanović**, professor emeritus na Fakultetu prirodnih i tehničkih nauka Internacionalnog univerziteta u Sarajevu, izabran na predmet „Robotika i upravljanje proizvodnih sistema" na Odsjeku za automatiku i elektroniku Elektrotehničkog fakulteta Univerziteta u Sarajevu,

2. **Dr. Ejub Džaferović**, redovni professor na Mašinskom fakultetu Univerziteta u Sarajevu, izabran za naučnu oblast „Procesno, energetsko i okolinsko inžinjerstvo",

3. **Dr. Armin Teskeredžić,** redovni profesor na Mašinskom fakultetu Univerziteta u Sarajevu, izabran za naučnu oblast „Energetika i KGH tehnika".

Nakon izvršene analize prijave za zvanje redovnog profesora, podnesene po javnom konkursu od 05.04.2022. godine u dnevnim novinama „Nezavisne novine" i internet stranici Internacionalnog univerziteta u Sarajevu, od strane aplikanta Dr. Muhameda Hadžiabdića, Komisija podnosi *sljedeći*:

**IZVJEŠTAJ sa prijedlogom za izbor u zvanje**

**Kandidat: DR. MUHAMED HADŽIABDIĆ, postupajući po prijavi za zvanje redovnog profesora**

Dr. Muhamed Hadžiabdić, rođen 1974. u Sarajevu, diplomirao je na Mašinskom fakultetu Univerziteta u Sarajevu 1999. godine. Doktorirao je na Tehničkom univerzitetu u Delftu, Kraljevina Nizozemska 2006. godine na temu *„LES, RANS and combined simulation of impinging ows and heat transfer"*. Po završetku doktorata nastavlja istraživački rad na Univerzitetu u Delftu da bi početkom 2007. godine počeo raditi na Internacionalnom univerzitetu u Sarajevu (IUS), gdje je biran u zvanja docenta i vanrednog profesora. U

periodu od 2012. do 2015. godine obavljao je funkciju prorektora za međunarodnu saradnju i istraživanje IUS-a. Osim toga, na IUS-u kao svojoj matičnoj ustanovi obavljao je i druga zaduženja; predsjedavajući Vijeća postdiplomskog studija, predsjedavajući komisije za institucioalnu akreditaciju IUS-a, programski koordinator za Mašinstvo itd. Osim navedenog, Dr. Hadžiabdić je ostvario i širi društveni angažman i to kao član Vijeća za nauku Ministarstva za nauku, visoko obrazovanje i mlade KS, član Odsjeka za energiju i ekologiju Akademije nauka i umjetnosti BiH, član komisije za izradu nacrta Zakona o visokom obrazovanju KS, itd.

## A. EDUCATION / OBRAZOVANJE

| | | |
|---|---|---|
| Ph.D. | Section for Thermal and Fluid Sciences, Faculty of Applied Sciences, Delft University of Technology (TU Delft), The Netherlands | 2006 |
| Undergraduate Studies | Dipl. Ing. Mechanical Engineering Faculty, University of Sarajevo, Bosnia and Herzegovina | 1999 |

## B. ACADEMIC WORK EXPERIENCE / AKADEMSKO RADNO ISKUSTVO

| | |
|---|---|
| Associate Professor / Vanredni profesor | 2015 - |
| Assistant Professor / Docent | 2007 - 2015 |

## C. TEACHING PORTFOLIO / NASTAVNI PORTOFOLIO

Profesor Hadžiabdić je predavao sljedeće predmete u postupku sticanja diplome prvog ciklusa studija: Fizika, Termodinmika, Statika, Mehanika fluida, Prenos mase i toplote, Dinamika i vibracije, Numerička analiza, Uvod u računsku dinamiku fluida, Građevinska fizika, te Računska dinamika fluida i Fizika transportnih fenomena na drugom i trećem ciklusu studija.

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Dr. Hadžiabdić was teaching following undergraduate courses: Physics, Thermodynamics, Statics, Fluid Mechanics, Heat and Mass Transfer, Dynamics and Vibrations, Numerical Analysis, Introduction to Computational Fluid Dynamics, Building Physics; and graduate courses: Computational Fluid Dynamics, and Physical Transport Phenomena.

## D. LIST OF SCIENTIFIC AND OTHER PUBLICATIONS BEFORE THE APPOINTMENT TO THE ACADEMIC TITLE OF ASSOCIATE PROFESSOR / PREGLED NAUČNIH I DRUGIH RADOVA DO IZBORA U ZVANJE VANREDNOG PROFESORA

1. **Hadžiabdić, M.** and Oliemans, R.V.A., 2007, **Parametric study of a model for determining the**

**liquid ow rates from the pressure drop and water hold-up in oil-water flows**, International Journal of Multiphase Flow, vol. 33, issue 12, 2007, p. 1365-1394

2. Hanjalić, K., Popovac, M. and **Hadžiabdić , M.**, 2004, **A robust near-wall elliptic relaxation eddy-viscosity turbulence model for CFD**, International Journal of Heat and Fluid Flow, vol. 25, p. 1047-1051
3. Temmerman, L., **Hadžiabdić, M.**, Leschziner, M.A. and Hanjalić, K., 2004, **A hybrid two-layer URANS-LES approach for Large Eddy Simulation at high Reynolds numbers**, Int. journal of heat and fluid flow, vol. 26, p. 173-190
4. **Hadžiabdić, M.**, 2008, **3D diffuser**, In Proceedings of the 13th SIG15 ERCOFTAC Workshop on Refined Turbulence Modelling, editors: G. Brenn, S. Jakirlic, H. Steiner, Graz University of Technology, Austria
5. Hadžiabdić, M. and Oliemans, R.V.A., 2007, **A systematic error analysis of the two-uid model,** International Conference on Multiphase Flow, July 09-13, 2007, Leipzig, Germany
6. **Hadžiabdić, M.** and Hanjalić, K., 2006, **An LES insight into the ow structure and heat transfer in a round impinging jet, 5th Conference on Turbulence**, Heat and Mass Transfer, September 25-26, 2006, Dubrovnik, Croatia
7. **Hadžiabdić, M.** and Oliemans, R.V.A.., 2006, **A model for determining the liquid ow rates from the pressure drop and hold-up in oil-water ows**, 5th North American Conference on Multiphase Technology, BHR Group Limited, UK
8. Begić, F. and **Hadžiabdić, M.**, 2010, **Energija vjetra - Konverzija, zastita okoline i ekonomija, ISBN 978-9958-896-07-1** (Internacionalni univerzitet u Sarajevu) ISBN 978-9958-601-29-3 (Masinski fakultet u Sarajevu) COBISS.BH-ID 18352646
9. Mullyadzhanov, R., **Hadžiabdić, M.** and Hanjalić, K., 2015, **LES Investigation of the Hysteresis Regime in the Cold Model of a Swirl Burner**, Flow, Turbulence and Combustion 94 (1), 175-198.
10. Reeuwijk, van M. and **Hadžiabdić, M.**, 2015, **Modelling high Schmidt number turbulent mass transfer,** International Journal of Heat and Fluid Flow, Volume 51.
11. Manceau, R., Perrin, R., **Hažiabdić, M.,** Fourment, P. and Benhamadouche, S., 2014, **Investigation of the interaction of a turbulent impinging jet and a heated, rotating disk**, Physics of Fluids, 26, 035102
12. **Hadžiabdić, M.**, Hanjalić, K. and Mullyadzhanov, R., 2013, **LES of turbulent flow in a concentric annulus with rotating outer wall**, International Journal of Heat and Fluid Flow, 43, 74-84
13. **Hadžiabdić, M.** and Hanjalić, K., 2008, **Vortical structures and heat transfer in a round impinging jet,** Journal of Fluid Mechanics, vol. 596, 2008, p. 221 - 260
14. Mullyadzhanov, R., Ilyushin, B., **Hadziabdic, M.** and Hanjalic, K., 2013, **Large-Eddy Simulation of a Shallow Turbulent Jet,** In Direct and Large-Eddy Simulation IX, Springer International

Publishing.

15. E. Palkin, R. Mullyadzhanov, **Hadziabdic, M.** and Hanjalic, K., 2015, Scrutinizing **URANS models in predicting shedding flows: Case of a cylinder in cross flow,** In Turbulence, Heat and Mass Transfer 8, Begell House Inc. New York
16. **Hadziabdic**, M., Halilagic, M. and Hanjalic, K., 2012, **RANS investigation of hysteresis of vortex breakdown in the cold model of a swirl burner,** In Turbulence, Heat and Mass Transfer 7, Begell House Inc. New York
17. R. Manceau , R. Perrin , **M. Hadziabdic** and S. Benhamadouche, 2013 **Analysis of the effects of rotation on an axisymmetric wall jet**, In Proceedings of the Turbulence and Shear Flow Phenomena (TSFP-8)
18. **Hadžiabdić, M.**, Hasić Telalović, J. and Oruč, N., 2015, **Razvoj programa 5. nivoa obrazovanja u Bosni i Hercegovini Primjer programa Majstor stolar - programer CNC mašina**, ISBN 978-9958-896-20-0 (Internacionalni univerzitet u Sarajevu)

## E. LIST OF SCIENTIFIC AND OTHER PUBLICATIONS SINCE THE APPOINTMENT TO THE ACADEMIC TITLE OF ASSOCIATE PROFESSOR / PREGLED NAUČNIH I DRUGIH RADOVA OD IZBORA U ZVANJE VANREDNOG PROFESORA

### E.1. Publications in the international peer-refereed journals / Naučni radovi u recenziranim međunarodnim časopisima

1. **Hadžiabdić, M**; Hafizović, M; Ničeno, B.; Hanjalić, K, **A rational Hybrid RANS-LES model for CFD predictions of microclimate and environmental quality in real urban structures**, Building and Environment, accepted for publication, 2022, Elsevier
2. **Hadžiabdić, M.**, Borrelli, M. and Niceno, B., 2021, **Simulation of Rayleigh-Benard convection at up to Ra = $10^{16}$ by generalized elliptic-relaxation hybrid RANS-LES model**, International Journal of Heat and Fluid Flow, vol. 90, Elsevier.
3. **Hadžiabdić, M.**, Palkin, E., Mullyadzhanov, R., Hanjalić, K., 2019, **Heat transfer in flow around a rotary oscillating cylinder at a high subcritical Reynolds number: A computational study**, International Journal of Heat and Fluid Flow, vol. 79, Elsevier.
4. E. Palkin, **Hadžiabdić, M.**, Mullyadzhanov, R. and Hanjalic, K., 2018, **Control of flow around a cylinder by rotary oscillations at a high subcritical Re number,** Journal of Fluid Mechanics, Cambridge University Press.
5. E. Palkin, **Hadžiabdić, M.**, Mullyadzhanov, R. and Hanjalic, K., 2016, **High-frequency rotary oscillations control of flow around cylinder at Re= 140000**, Journal of Physics: Conference Series, volume 754, issue 6, IOP Publishing.

6. Palkin, E.; Mullyadzhanov, R.; **Hadžiabdić, M.**; Hanjalić, K.; **Scrutinizing URANS in Shedding Flows: The Case of Cylinder in Cross-Flow in the Subcritical Regime**, Flow, Turbulence and Combustion, 2016, Springer.

**E.2. Publications published in refereed international conference proceedings / Naučni radovi objavljeni u recenziranim zbornicima sa konferencija**

1. Sayed, M.A. Dehbi, A., **Hadziabic, M.**, Niceno, B. and Mikityuk, K., 2021, **On sub-grid scale modeling in a differentially heated cubical cavity using very-large eddy simulation**, In Proceeding of 2021 ETMM 13 Conference, Greece, 15 September 2021.
2. Hafizovic, M., **Hadziabic, M**. Niceno, B. and Hanjalic, K., 2021, **A rational hybrid RANS-LES approach to prediction of air flow and pollutant dispersion in real urban configurations**, In Proceeding of 2021 ETMM 13 Conference, Greece, 15 September 2021.
3. **Hadžiabdić, M.**; Hafizović, M.; Ničeno, B.; Hanjalić, K.; , **Computer simulation of air flow and pollutant dispersion: a new paradigm for urban planning and design**, In Proceeding of 2nd Conference on Urban Planning and Regional Development, UKI, Sarajevo, Bosnia and Herzegovina, October, 2020.
4. **Hadžiabdić, M.**, Arnaut, S., Corovic, F., Begic, T. and Hanjalic, K., 2020, **Wind and pollution dispersion in real urban environment - Computer simulations with advanced CFD models and features, Regional Symposium on Air Quality in Cities**, In Proceeding of 2021 Regional Symposium on Air Quality in Cities, Sarajevo, 30-31 January 2020.
5. Sayed, M., **Hadžiabdić, M.**, Dehbi, A., Niceno, B., Mikityuk, K., 2020, **On the prediction of turbulent kinetic energy in channel flow using wall-modeled large eddy simulations**, In Proceedings of AIAA Scitech 2020 Forum, January 2019, Nashville, Tennessee, US.
6. Palkin, E., Mullyadzhanov, R., **Hadžiabdić, M.**, Hanjalić, K., 2020, **Active heat transfer and flow control over a cylinder by rotary oscillations**, In Proceedings of Methods of Aerophysical Research, 135, 2020.
7. **Hadžiabdić, M.**, Palkin, E., Mullyadzhanov, R., Hanjalić, K.; 2019, **URANS computation of flow around a heated cylinder at a high Re number**, In Proceedings of the ECCOMAS, 4th International Conference on Multi-scale Computational Methods for Solids and Fluids, Sarajevo, Bosnia and Herzegovina, September, 2019.
8. **Hadžiabdić, M. .**, E. Palkin, R. Mullyadzhanov and Hanjalic, K., 2018**, Computational study of heat and fluid flow around a rotary oscillating cylinder at a high Re number**, In Proceedings of the 9th International Symposium on Turbulence, Heat and Mass Transfer Sarajevo, Bosnia and Herzegovina, July 09-12, 2018.
9. E. Palkin, R. Mullyadzhanov, **Hadžiabdić, M.** and Hanjalic, K., 2016, **Rotary oscillations control of flow around cylinder at Re= 140000**, AIP Conference Proceedings, 2016.
10. E. Palkin, R. Mullyadzhanov, **Hadžiabdić, M.** and Hanjalic, K., 2016, **Control of separated turbulent stream by high. frequency rotary oscillations at Re = 140000**, Bulletin of the Tomsk Polytechnic University, Geo Assets Engineering, 327, 9, 2016.

11. E. Palkin, R. Mullyadzhanov, **Hadžiabdić, M.** and Hanjalic, K., 2016, **URANS capabilities in the ow around a cylinder at Re=140000**, Abst. of 18th International Conference on Methods of Aerophysical Research, Perm, Russia, 2016. 2 p.

**E.3. Book Chapters / Poglavlja u knjigama**

1. **Hadžiabdić, M.**, Hanjalić, K., 2020, Elliptic-Relaxation Hybrid RANS-LES (ER-HRL) for Complex Wall-Bounded Fluid and Heat Flows, ERCOFTAC Bulletin, 121, 17-24, 2019, European Research Community on Flow, Turbulence and Combustion (ERCOFTAC).

The Committee finds that Dr. Hadžiabdić has published 18 papers (since last appointment to academic title) in total which are relevant for appointment to the academic title. Thus, Dr. Hadžiabdić satisfied requirement of published at least 8 papers in acknowledge publications for appointment to the academic title of full professor.

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Komisija nalazi da je Dr. Hadžiabdić objavio ukupno 18 naučnih radova (od posljednjeg izbora u zvanje) koji su relevantni za izbor u akademsko zvanje. Time je Dr. Hadžiabdić ispunio uslov objave najmanje osam naučnih radova objavljenih u priznatim publikacijama za izbor u zvanje redovnog profesora.

**F. PUBLISHED AND EDITED BOOKS (since the last appointment) / OBJAVLJENE I EDITOVANE KNJIGE (od posljednjeg izbora u zvanje)**

1. T-Flows [Elektronski izvor]: the open-source Computational Fluid Dynamics Code on Arbitrary Computational Grids / Muhamed Hadžiabdić, Bojan Ničeno. - Elektronska knjiga. - Sarajevo: Internacionalni univerzitet u Sarajevu, 2022, Katalogizacija u publikaciji Nacionalna i univerzitetska biblioteka BiH, ISBN 978-9958-896-56-9.

2. ELABORAT o pokretanju zajedničkog master studija Bioanalitičke tehnologije između Internacionalnog univerziteta u Sarajevu i Katoličkog univerziteta u Lublinu, publisher Internacionalni univerzitet u Sarajevu, Mirza Suljagic, Una Glamoclija, Altijana Hromic-Jahjefendic, Daria Ler, Muhamed Hadžiabdić, Emir Karamehmedovic, Emin Tahirovic, CIP - Katalogizacija u publikaciji Nacionalna i univerzitetska biblioteka Bosne i Hercegovine, Sarajevo, ISBN 978-9958-896-48-4, COBISS.BH-ID 42844166, 2021.

3. Master studies in Bioanalytical technologies - Instructions for lecturers, Altijana Hromic-Jahjefendic, Daria Ler, Dzejla Mededovic, Emin Tahirovic, Emir Karamehmedovic, Kanita Karaduzovic-Hadžiabdić, Mirza Suljagic, Muhamed Hadžiabdić, Nima Rabiei, Ramo Palalic, Benjamin Durakovic, CIP - Katalogizacija u publikaciji Nacionalna i univerzitetska biblioteka Bosne i Hercegovine ISBN 978-9958-896-49-1, COBISS. BH-ID 42904070, 2021.

4. Turbulence Heat and Mass Transfer 9 Proceedings of the Ninth International Symposium On Turbulence Heat and Mass Transfer, Editors: A.P. Silva Freire, K. Hanjalic, K. Suga, D. Borello, M. Hadžiabdić, 2018, 10-13 July, Rio de Janeiro, Brazil, DOI: 10.1615/THMT-18, ISBN: 978-1-56700-468-7 (Print), ISBN: 978-1-56700-467-0 (Online), ISSN: 2377-2816 (Print), Begell House Inc., New York, US.

## G. MENTORSHIPS SINCE THE LAST APPOINTMENT TO THE ACADEMIC TITLE / MENTORSTVA OD POSLJEDNJEG IZBORA U ZVANJE

### G.1. Master theses / Magistarske teze

- Mahir Hafizović: Numerical Studies of Turbulent Flows with Pollutant Dispersion in Urban Areas Using Hybrid LES/RANS Approach, IUS, 2019.
- Ammar Hodža: Numerical Analysis of Microcooling of CE: Yag Optical Head, 2019

The Committee finds that Dr. Muhamed Hadžiabdić has successfully completed the assigned mentorship and thus fulfilled the condition of mentorship of master student (since the last appointment to academic title) prescribed by the Law on Higher Education for appointment to academic title of Full Professor.

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Komisija konstatuje da je Dr. Muhamed Hadžiabdić uspješno okončao dodijeljeno mentorstvo, te time ispunila uslov mentorstva studenta drugog ciklusa studija (od posljednjeg izbora u zvanje), koji propisuje Zakon o visokom obrazovanju za izbor u akademsko zvanje redovnog profesora.

### G.2. PhD dissertations / Doktorske disertacije

The Committee finds that Dr. Muhamed Hadžiabdić didn't fulfilled requirement of successful mentorship of a PhD student. The Committee also finds that substitution of mentorship of a PhD student with 3 additional scientific papers (over 8 required for appointment to the title of full professor) may be introduced according to the Law on Higher Education and IUS Statute.

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Komsija zaključuje da Dr. Muhamed Hadžiabdić nije ostvario uspješno mentorstvo studenta upisanog na doktorski studij. Komisija također nalazi da se prema Zakonu o visokom obrazovanju KS i Statutu IUS-a uslov mentorstva studenta trećeg ciklusa studija može supstituirati sa tri dodatna naučna rada, u odnosu na osam potrebnih za izbor u zvanje redovnog profesora.

## H. PATENTS, PROJECT, ORIGINAL METHOD / PATENT, PROJEKAT, ORIGINALNI METOD

a. Dijaspora za razvoj "OpenFOAM CFD tool for industrial users", financed by UNDP, budget 20250 KM, UNDPBIH-18-051-IUS-D4D-S, 2018, finished.

b. "Numeričko simuliranje strujanja, disperzije i kvaliteta zraka u realnim urbanim orografijama i meteo uslovima", financed by Kanton Sarajevo, budget 50 000 KM, 11/05-14-23151-6/19, 2019, finished.

c. "Modelling educational robot", financed by Slovenian Government, budget IUS total grant 37110.00 EUR, 2021, ongoing, project coordinator.

d. "Smart Urban Planning Tool", financed by UNDP, budget 85 000 KM, 2020, finished.

e. "Disperzija aeropolutanata iz saobraćaja u uslovima temperaturne inverzije", financed by Kanton Sarajevo, budget 80 000 KM, 2021, approved in September 2021.

f. Project "KATAMARAN", Development of Master studies in Bioanalitical technologies between Catholic University of Lublin and IUS, Funded by Polish Government, team member, started 2019, ending in 2021, budget around 50 000 EUR financed by Polish government, 2019, finished.

The Committee finds that Dr. Hadžiabdić was a principal investigator and researcher in the funded projects since appointment to the academic title of associate professor, and thereby satisfied the condition of an original professional accomplishment for appointment to the academic title of full professor.

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Komisija nalazi da je dr. Hadžiabdić bio nosilac projekata i istraživač na finansiranim projektima od izbora u zvanje vanrednog profesora, te je time zadovoljio uslov originalnog stručnog uspjeha za izbor u akademsko zvanje redovnog profesora.

**I. INTRODUCTORY LECTURE**

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

**J. PROPOSAL AND RATIONALE**

**Based on the scientific work since the last appointment to the academic title, in accordance with the Law on Higher Education of Sarajevo Canton ("Official Gazette of Sarajevo Canton" No: 33/17, 35/20, 40/20 and 39/21), the Selection Committee unanimously proposes to the Council of the Faculty of**