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IN MEMORIAM

Prof. dr Dragana Živković (1965-2016)

On 26 November 2016, prof. Dr Dragana Živković, a prominent scientist, a distinguished professor, a dear colleague and above all a great person, passed away. As a full professor at the Technical Faculty in Bor, University of Belgrade and a full member of the Academy of Engineering Sciences of Serbia, she gave an immeasurable contribution to the development of science and education in the fields of thermodynamics, metallurgical engineering and materials science. Dragana was so exceptional a person who left a deep trace, unique in its nature, not only in Serbia and the Balkans, but also in the world.

She was born on 13 September 1965 in a respectable family from Zaječar, to Todor and Gordana Živković, whose maiden name was Šainović. She completed her elementary and secondary education in her hometown Zaječar. She graduated in 1989, finished her MA in 1993 and PhD studies in 1995 at the Technical Faculty in Bor, University of Belgrade, at the Department for Extractive Metallurgy. In the course of her studies she was recognized as a great potential which, after her graduation, enabled her to get a job at the same university. For the twenty-seven years she worked at the Technical Faculty in Bor, she was elected to the position of the teaching assistant (1989), the assistant (1993), the assistant professor (1996), the associate professor (2000) and the full professor in the field of extractive metallurgy and metallurgical engineering in 2005 and the full professor in the field of industrial management in 2006.

Prof. Dr Dragana Živković held many positions at the faculty from the Head of Department of Metallurgical Engineering in 2004, the head of the Department of Metallurgy (2005-2006, and 2014), the Associate Dean for Science and Research and International Cooperation to the position of the Dean of the Technical Faculty in Bor (2015-2016) and she always performed her functions responsibly, systematically and diligently.

She considered the Technical Faculty her second home which she continuously developed, nurtured and promoted through her life's work which lead to its reputation being increased.

Her achievements exceeded the borders of Serbia. She was a visiting professor at the Central South University, Changsha (China), as well as a guest lecturer at doctoral studies at the Naravoslovno-tehniškoj fakulteti Univerze, Ljubljana (Slovenia).

She was elected as the Deputy Director of Research Centre for Innovative Materials Design and Application, as well as the permanent partner of the Science Centre for Materials Design and Preparation, Central South University, Changsha (China). As a world renowned scientist she presented the results of her numerous studies at lectures at several foreign universities (Osaka, Genoa, Miskolc, Changsha, London, Krakow, Brno, Aachen, Porto, Ljubljana, Zenica, etc.), along with the continuous professional development through short study stays at universities in Japan, Italy, Hungary, China, Sweden, Germany, Slovenia, and others.

Being a teacher was equally important to her. She was one of the most beloved teachers among the students, and a mentor to many, as she was always trying to arouse curiosity and inquiring spirit, so that every student who listened to her lectures, gained valuable knowledge, not only in educational sense, but also the knowledge about life because she was the person who held the greatest human and moral values. Always cordial and smiling, she captivated her interlocutors with kindness and understanding, which set an example to her associates on how to behave toward the colleagues and students.

The biggest part of her life was dedicated to scientific research. Her extensive scientific opus included various research areas: thermodynamics of multicomponent metal systems, advanced metallic materials, kinetics of metallurgical processes, environmental protection, archaeometallurgy, as well as innovation management and knowledge.

She published more than 350 papers, of which more than 180 papers in international journals with more than 400 citations and 500 presentations at international and national conferences. She wrote 3 university textbooks, 2 exercise books and 3 monographs with co-authors, edited a great number of proceedings of national and international conferences and realized 5 technical development solutions. She participated in more than 20

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national research projects and projects for the economy. She also participated in 15 international projects: COST535 - THALLU (2002-2006).; COST531– LFS (2002-2006); COST MP0602 -HISOLD (2007-2011).; COST MP0903 (2011-2014); PHARE CBC RO (2008-2009); PHARE CBC RO (2008-2009); DAAD Project (2009-2014); TEMPUS-MCHEM: (2010-2013); TEMPUS-DEREL: (2010-2013); Erasmus mundus - Basileus (2010).; EU HETIP (2010-2014).; IISP (2012-2013); WORLD Development programme, University of Zagreb (2011-2015); Erasmus+, (2014.); and JST SATREPS (2014-2019) and she realised significant international cooperation with many research centres in the world and the region. She was also the head of four bilateral projects. She was the head of the three projects in MoESTD as well as the person in charge of the "Caravan of science Timočki Scientific Tornado - TNT13".

Studious work and persistence on her own professional development over the years contributed to the development of her scientific identity and integrity. Remembering all that she accomplished during her short life, it should be noted that she was the responsible project engineer of the metallurgical processes in Serbian Chamber of Engineers, editor in chief of the International Journal of Mining and Metallurgy Section B: Metallurgy, a member of the editorial boards of many international and domestic journals, and a member of scientific and organizing committees of numerous international and domestic conferences. She was one of the initiators and coordinators of the Students' Club of researchers '1902', one of the founders of the Symposium on the thermodynamics and phase diagrams, one of the founders of the Resita Network "Entrepreneurship and Innovation" and the academic network METNET, one of the founders of "International student conference on technical science ", the initiator of BONIS (Researchers' Night in Bor) and the author of the exhibition "The secret world of metals and minerals". She actively participated in activities related to the popularization and promotion of science among young people through the Science Festival in Bor, Zaječar and Negotin and Researchers' Night in Bor.

She was a member of numerous international and national scientific and professional organizations and associations: the representative of Serbia in the Associated Phase Diagram and Thermodynamics Committee and in DC MPNS COST EU, a member of the Committee for international projects COST 531 and COST MP0602, a member of the National Technology Platform in The Academy of Engineering Sciences of Serbia (AESS), a member of ASM International and TMS Society, a member of the the Association of Metallurgical Engineers of Serbia and Serbian Chemical society (she also held the function of the president of the subsidiary of SCS in Bor from 2005-2007), the Secretary of the Yugoslav Committee of Thermodynamics and phase diagrams, a member of the National Center for Coordination of the scientific research and design solution in metallurgical industry in the Balkan Center for Coordination of scientific research and project solutions in Metallurgy, a member of the Commission for Cultural Heritage for archaeometallurgy and industrial archeology at the Institute for the Protection of Cultural Monuments, as well as a member of LEAP (Local Environmental Action Plan) team of the municipality of Bor.

As an Exemplary Member of the Serbian Chemical Society prof. Dr Dragana Živković was awarded with a Certificate of Appreciation in 2001, and also with a recognition in the "Who is Who in Thermal Analysis and Calorimetry" (2004 and 2014), one of the most famous world anthologies of biographical data of the most deserving individuals who have demonstrated outstanding success in this field of research.

She was also active in the cultural life of Zaječar and Bor as a member of the chamber choir "Labyrinth" which was a winner of a significant number of prizes and awards at national and international choir competitions, as well as a member of a music ensemble "VIS doctors", the Slovensko pevsko društvo "Josip Vošnjak ", the artistic weaving workshop „Snovatica" in Zaječar, and of the Academic cultural club of the Technical Faculty in Bor.

As a colleague and associate, prof. Dr Dragana Živković, with her inexhaustible energy, cheerful spirit and enthusiasm, was the driving force and the main motivator not only for the Department of Metallurgy but for the whole Technical Faculty as well. An erudite, an altruist and a philanthropist, she was a professor, a scientist and above all a good person. For anyone who had been stumbling on the thorny road to science, she always had a word of encouragement and a word of wisdom.

Technical Faculty in Bor is proud of and grateful to prof. Dr Dragana Živković who by her work of many years contributed to its development and reputation. And for us, her colleagues, associates and students who had the honour and the privilege to know and to work with her, she will always remain a part of indelible memories.

On behalf of Technical Faculty in Bor, Univerisity of Belgrade, and Journal of Mining and Metallurgy, Section B: Metallurgy.

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Editors of Journal of Mining and Metallurgy, Section B: Metallurgy

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