IN MEMORIAM

NIKOLA ĐAKOVIĆ †

U 2021. godini, prerano nas je napustio profesor i znanstveni istraživač Nikola Đaković. Profesor Đaković najpoznatiji je po svojoj stručnosti, originalnim istraživačkim metodama i ljudskim nastupom prema kolegama i studentima, kojima je nesebično pomagao i uvažavao ih.

Nikola Đaković bio je jedan od onih stručnjaka koji su živjeli znanost i svoju profesiju na svakodnevnoj razini. To je značilo primjenu naučenog znanja u svakodnevnim okolnostima jer kompleksni svijet operacijskih istraživanja jest ono što nas okružuje. Adekvatna primjena znanja u svim danim okolnostima odlika je pravog znanstvenika. Čovjek koji živi svoju struku to najbolje zna.

Fakultet prometnih znanosti, gdje je Nikola Đaković predavao preko pola svog života, mjesto je gdje se promjene stvaraju. Nije na odmet spomenuti i brojne institute, istraživačke centre, ministarstva i ostale institucije koje svakodnevno rade na tome da pridonesu mirnom snu građana. Važno je istaknuti i to da promet (a samim time i njegova zakonska regulativa) nije nešto što se tiče samo jedne države, time glavnina pravila i izmjena imaju međunarodni značaj jer utječu kako na naše državljane, tako i na radnike, turiste, goste iz svih dijelova svijeta. Nerijetko se pronalaženje stručnih tehničkih i zakonskih rješenja odvija preko granice te uključuje suradnju brojnih država i svjetskih sila.

Iznalaženje optimalnih prometnih rješenja bila je specijalnost ovog znanstvenika, uz aktivnost u akademskoj zajednici. Inženjeri građevine i prometa, kao i ostalih srodnih tehničkih struka svaki dan rade kako bi naš život učinili lakšim. U svijetu koji se razvija brže no ikad, prava rješenja koja bi uz svoju primjenjivost bila k tome i svima po volji zbog svoje praktičnosti, često predstavljaju pravi izazov. Radi se tu o sigurnosti u prometu, osiguranju brzine stizanja na odredište, povezivanju različitih

prometnih pravaca, stvaranju prometnih veza tamo gdje ih dosad nije bilo i još mnogo toga, a sve s posebnim naglaskom na zaštitu čovjeka – onog koji upravlja vozilom, onog koji koristi prijevozno sredstvo, onog koji se eto slučajno negdje zatekao i svih onih koje takvo što pogađa, a to smo svi mi. Da bi se zadani ciljevi ostvarili, gotovo uvijek je potrebno urediti zakonsku regulativu, što pak dalje poziva ostale struke na suradnju, ponajprije pravnu.

Nikola Đaković po završetku Fakulteta prometnih znanosti Sveučilišta u Zagrebu zaposlen je na poslovima prometnog inženjera u poduzeću Hidroelektra u Zagrebu, a potom na Fakultetu prometnih znanosti u svojstvu znanstvenog istraživača. U sklopu svog znanstveno-nastavnog zvanja, izvodio je nastavu na sljedećim kolegijima: Plovna sredstva, Tehnologija vodnog prometa, Poznavanje vodnih plovidbenih sredstava, Plovni putovi. Obnašao je funkciju predstojnika Katedre za tehnologiju vodnog prometa pri Zavodu za vodni promet Fakulteta prometnih znanosti Sveučilišta u Zagrebu. Bio je angažiran na znanstvenim projektima Fakulteta prometnih znanosti. Sudjelovao je u izradi tridesetak studija i elaborata iz područja Tehnologije prometa. Neki od najpoznatijih su: „Optimalni razvoj prometnog sustava Hrvatske i uključivanje Republike Hrvatske u europske prometne tokove'', „Studija o cestama kao čimbeniku sigurnosti prometa u Republici Hrvatskoj'', „Analiza ugroženosti prometom u gradu Zagrebu i mjere zaštite'', „Prometno rješenje za PUP Donji Grad'', „Studija o smanjenju prometnih nezgoda na raskrižju: Jadranska avenija – Dubrovačka avenija – Remetinečka cesta – Jadranski most'', „Studija povezivanja Zagrebačkog velesajma u prometni sustav grada Zagreba'', „Analiza potrebe otvaranja Varšavske ulice za promet vozila i zatvaranja Masarykove ulice za pješački promet'', „Prometna studija Višenamjenski kanal ‚Dunav-Sava' od Vukovara do Šamca'', „Značaj ‚Riječkog prometnog pravca' u prometnom sustavu Hrvatske i Europe'', ''Traffic Policy as an Evaluation Factor for the Croatian Economic Potential'', „Prilog proučavanju transporta i zbrinjavanja otpada u gradu Zagrebu'', ''Ecological Actuality and Legislation in the Transport of Dangerous Materials'' te niz drugih ne manje važnih za razvoj i sigurnost prometa.

Izradio je sam ili kao koautor sedamdesetak znanstvenih i stručnih radova iz područja Tehnologije prometa kao i pet knjiga i skripti: „Incoterms '90

u kaleidoskopu vanjsko-trgovinskog i prometnog sustava'', „Metodologija istraživanja organizacije prometnih tokova u gradovima'', „Organizacija i eksploatacija riječnog prometa'', „Osnove vodnog prometa'', „Plovna sredstva''. Sveučilišni udžbenici kojih je Nikola Đaković autor ili koautor i dalje se koriste kao nastavna literatura.

2001. godine, na Senatu Sveučilišta u Zagrebu prihvaćena je tema doktorske disertacije na Fakultetu prometnih znanosti pod naslovom „Prilog povećanju prometnog kapaciteta lučko-pristanišnih mikrolokacija na koridoru Podunavlje-Jadran".

Za vrijeme Domovinskog rata nagrađen je za osobni doprinos uspješnoj provedbi sigurnosnih zadaća u prigodi posjeta Svetog Oca Ivana Pavla II. Republici Hrvatskoj, kojom prigodom se u Zagrebu okupilo milijun hodočasnika. 30. svibnja 1997. prvi hrvatski predsjednik i vrhovni zapovjednik Oružanih snaga Republike Hrvatske dr. Franjo Tuđman dodijelio mu je priznanje kao sudioniku „Pobjedničkog bedema'', Mimohoda OS RH u prigodi Dana državnosti. Kao aktivni sportaš sudjelovao je na brojnim natjecanjima i manifestacijama, dobitnik je brojnih počasti, medalja, priznanja i zahvalnica. Svojim aktivizmom podržavao je branitelje koji su ga često nagrađivali za uspjehe koje je postizao, doprinoseći rastu braniteljskih udruga i klubova. U lipnju 1996., u povodu znanstvenog skupa „Revalorizacija prometnog položaja Hrvatske i Bosne i Hercegovine u interesu obiju država'', Znanstveni savjet za promet u sklopu Hrvatske akademije znanosti i umjetnosti dodijelio mu je srebrnu značku u znak priznanja za osobni doprinos prometnom povezivanju Republike Hrvatske i Republike/Federacije Bosne i Hercegovine.

Mnogi studenti profesora Đakovića ostvarili su se na profesionalnom i životnom planu te tako i sami doprinijeli razvoju struke. Neki od njih izgradili su velike projekte poput broda, otišli i sami u znanost ili izgradili političku karijeru. Gdjegod ih je put nanio, uvijek ostaje ona stara latinska: *Non scholae sed vitae discimus*!

Nikola Đaković, uz svoju znanstvenu, nastavnu i ostalu društveno korisnu angažiranost dao je značajan i unikatan doprinos u razvoju ideja i izradi istraživačkih i stručnih projekata u području tehnologije prometa i

transporta. Rezultati njegovih istraživanja, održane radionice, simpoziji, znanstveni skupovi, predavanja, objavljene knjige i radovi - sve to pod okriljem međunarodne suradnje, ostavili su neizbrisiv trag u znanosti.

Aeternum vale, semper desiderari, mi amice.

prof. emer. dr. sc. Ivan Dadić

IN MEMORIAM

NIKOLA ĐAKOVIĆ †

In 2021, professor and scientific researcher Nikola Đaković had left us too soon. Professor Đaković was best known for his expertise, original research methods and humane attitude towards colleagues and students, whom he selflessly offered help to and treated with revenance.

Nikola Đaković was one of those experts who lived science and his profession on an everyday basis. This implied the application of learned knowledge in everyday circumstances, because the complex world of operational research is what surrounds us. Adequate application of knowledge in all given circumstances is the hallmark of a true scientist. A man who lives his profession knows this best.

Faculty of Transport and Traffic Sciences, University of Zagreb, where Nikola Đaković taught for more than half of his life, is the place where changes are made. It is not out of place to mention numerous institutes, research centers, ministries and other institutions that work every day to contribute to the peaceful dream of citizens. It is also important to point out that traffic (and therefore its legal regulation) is not something that concerns only one country, thus the majority of rules and changes have international significance because they affect both our citizens and workers, tourists, and guests from all parts of the world. Finding expert technical and legal solutions often takes place across borders and involves the cooperation of numerous countries and world powers.

Finding optimal traffic solutions was Professor Đaković's specialty, in addition to his activity in the academic community. Civil and traffic engineers, as well as other related technical professionals, contribute every day to make our lives easier. In a world that is developing faster than ever, the right solutions that, in addition to their applicability, would also be to everyone's liking due to their practicality, often represent a real

challenge. This is about safety in traffic, ensuring the speed of arrival at the destination, connecting different traffic routes, creating traffic connections where there were none before and much more, all with a special emphasis on the protection of humans - the one who drives the vehicle, the one who uses a means of transport, the one who accidentally happened to be somewhere and all those who are affected by such a thing, and that is all of us. In order to achieve the set goals, it is almost always necessary to make order in the legal regulation, which in turn invites other professions to cooperate, primarily legal.

After graduating from the Faculty of Transport and Traffic Sciences at the University of Zagreb, Nikola Đaković was employed as a traffic engineer at Hidroelektra in Zagreb, and then at the Faculty of Transport and Traffic Sciences as a scientific researcher. As part of his scientific and teaching profession, he taught the following courses: Watercrafts, Water Transport Technology, Knowledge of Watercraft Navigation, Water Corridors. He served as head of the Department of Water Transport Technology at the Institute of Water Transport, Faculty of Transport and Traffic Sciences, University of Zagreb. He was engaged in scientific projects of the Faculty of Transport and Traffic Sciences. He participated in the creation of about thirty studies and reports in the field of Traffic Technology. Some of the most well-known are: *Optimal Development of the Croatian Transport System and Inclusion of the Republic of Croatia in European Traffic Flows*, *Study on Roads as a Factor of Traffic Safety in the Republic of Croatia*, *Analysis of Traffic Threats in the City of Zagreb and Protective Measures*, *Traffic Solution for Detailed Urban Plan of the Lower Town of Zagreb*, *Study on Reducing Traffic Accidents at the Intersection: Jadranska avenija – Dubrovačka avenija – Remetinečka cesta – Jadranski most*, *Study of the Connection of the Zagreb Fair into the Traffic System of the City of Zagreb*, *Analysis of the Need to Open Varšavska Street to Vehicle Traffic and Close Masarykova Street to Pedestrian Traffic*, *Traffic Study of the Multipurpose ''Danube-Sava" Canal in the Vukovar*-Šamac Route S*ection*, *The Importance of the "Rijeka Traffic Route" in the Traffic System of Croatia and Europe*, *Traffic Policy as an Evaluation Factor for the Croatian Economic Potential*, *A Contribution to the Study of Waste Transport and Disposal in the City of Zagreb*, *Ecological Actuality and*

Legislation in the Transport of Dangerous Materials and a number of other no less important for the development and safety of traffic.

Professor Đaković has written himself or as a co-author about seventy scientific and professional works in the field of transport technology, as well as five books and scripts: *Incoterms '90 in the Kaleidoscope of the Foreign Trade and Transport System*, *Methodology of Research on the Organization of Traffic Flows in Cities*, *Organization and Exploitation of River Transport*, *Basics of Water Traffic*, *Watercrafts*. University textbooks authored or co-authored by Nikola Đaković are still used as teaching literature.

In 2001, the Senate of the University of Zagreb accepted the topic of his doctoral dissertation at the Faculty of Transport and Traffic Sciences under the title *Contribution to Increasing the Traffic Capacity of Port Microlocations on the Danube-Adriatic Corridor*.

During the Homeland War, he was awarded for his personal contribution to the successful implementation of security tasks on the occasion of the visit of the Holy Father Ivan Paul II. to the Republic of Croatia, on which occasion a million pilgrims gathered in Zagreb. On May 30, 1997, the first Croatian president and commander-in-chief of the Armed Forces of the Republic of Croatia, Dr. Franjo Tuđman, awarded him an award as a participant in the "Victory Rampart", the Parade of the Armed Forces of the Republic of Croatia on the occasion of the Statehood Day. As an active athlete, he participated in many competitions and events, and was the recipient of numerous honors, medals, recognitions and certificates of appreciation. With his activism, he supported veterans who often rewarded him for the successes he achieved, contributing to the growth of veterans' associations and clubs. In June 1996, on the occasion of the scientific meeting Revaluation of the traffic situation of Croatia and Bosnia and Herzegovina in the interest of both countries, the Scientific Council for Transport within the Croatian Academy of Sciences and Arts awarded him a silver badge in recognition of his personal contribution to the transport connection of the Republic of Croatia and the Republic of/Federation of Bosnia and Herzegovina.

Many of Professor Đaković's students achieved success in their professional and personal lives and contributed to the development of the profession themselves. Some of them built big projects like a ship, went into science themselves or built a political career. Wherever the road took them, the old Latin saying always remains: *Non scholae sed vitae discimus*!

Nikola Đaković, in addition to his scientific, teaching and other socially useful engagement, made a significant and unique contribution to the development of ideas and the creation of research and professional projects in the field of traffic and transport technology. The results of his research, workshops, symposia, scientific meetings, lectures, published books and papers - all under the auspices of international cooperation, left an indelible mark in science.

Aeternum vale, semper desiderari, mi amice.

Professor Emeritus Ivan Dadić, Ph.D.