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"UNIVERSITY OF KRAGUJEVAC MEMORY BOOK 1976-2006"
WORDS IN ACTION - PROF. DUSAN SIMIC, PHD (P. 208-214)**



Professor Dušan Simić, a full professor of the Faculty of Mechanical Engineering in Kragujevac, a Member of the Russian Academy of Quality, a publicist and a Member of the Association of Serbian Writers, was born in Belgrade on March 22, 1928 where he completed his secondary school education and graduated from the Faculty of Mechanical Engineering in 1953.

Having completed his university studies, he worked for 10 years in industry, holding managing positions in various companies: Director of Central Service Department of Zastava Car Factory in Kragujevac, Head of FAP's Service Department in Belgrade, Technical Director of FAP in Priboj, Head of the Design and Development Department of the joint ITV corporation (FAP, FAMOS, ZMAJ, IKARUS, 11 OKTOMBRI and AUTOKAROSERIJA ZAGREB).

«As the Head of the Service Department (1958-1959), ing. Dušan Simić organized the network of service and maintenance units, established the statistics basis on the vehicles in exploitation, published the first Manual on handling and maintenance of FAP vehicles and redesigned the complete work organization and technology in FAP's factory, revising the structure of engineering equipment according to the investment plan and program and changing the technological concept. In this way, instead of previously planned 3600 vehicles on yearly basis, 5000 were obtained from the same investment resources. He managed the development of new designs and prepared a study on the prospects of product development on the basis of the integration of several enterprises» (from the publication issued on the occasion of the FAP's tenth anniversary).

He was the professor of the Faculty of Mechanical Engineering in Kragujevac since 1964. Professor Simic was also the chief designer and constructor of a number of motor vehicles and their aggregates, the most renown being the truck FAP-18B.

Professor Simic was the founder of the the journals «FAP» and «MVM – Motor Vehicles and Motors» (today the international journal «Mobility and Vehicle Mechanics»), whose editor-in-chif he had been for 30 years.

He acquired his PhD degree at the Technical University in West Berlin – Institute for motor vehicles in 1971. His docotoral thesis «Beitrag zur optimierung der Schwingungseigenschaften des Fahrzeuges-Physiologische Grundlagen des Schwingungskomp-fort» received the highest marks. It was translated into English by RAE –Royal Aircraft Establishment of the United Kingdom's Ministry of Defense under the title «Contribution to the optimisation of the oscilatory properties of a vehicle: physiological foundation of comfort during oscilations.»

Professor Simic made a significant contribution by publishing numerous works on the impact of vibration on human being and improvement of riding conditions in transportation means. His S-curves of oscillatory comfort are well know in foreign professional literature. They were used as the basis for designing the international ISO standard 2631 and corresponding national standards.

He lectured on a wide range of scientific disciplines: Motor vehicles, Motor vehicles design, Motor vehicles exploitation, Motor vehicles dynamics, Traffic safety, Cybernetics, Basics of automatic control, Methodology of scientific and research work, Biomechanics (Medical Faculty).

Professor Simic was immensely engaged in research and development in the field of motor vehicles and road transportation (general theory, design, safety and exploitation), biodynamics, cybernetics, theory of vibration and the influence of vibration on the human being. He is the author of a significant number of books and monographs (48 publications), as well as of a number of scientific and research works, published in the country or abroad (over 130), the most important being: Motor vehicles (1973, 1977, 1988), Motor vehicles dynamics (1980, 1988), Basics of automatic control (1983, 1987, 1990), Basics of cybernetics (1985, 1987, 1990, 1999) Electronic analogous computer (1970, 1972, 1977), Car safety (1996), Methodology of science and technical development (1997, 2002).

Professor Simic is the author of English-Serbian Technical Dictionary (1999), German-Serbian Technical Dictionary (2001), Serbian-English Scientific and Technical Dictionary (2003) and English-Serbian Encyclopedia Dictionary (2005). Each of these dictionaries represents a capital publication in its scope, content and structure and has a character of an encyclopedia dictionary.

Professor Simic translated a number of books from Russian language.

He was also engaged in literary work and published some books of autobiographic prose: “Secanja” (Memories, 1996), “Tragovi” (Traces, 1998) and “Oziljci” (Scars 2004).

Professor Simic was a scholarship holder and a visiting professor of Alexander von Humboldt Fondation (CPH), Fulbright (USA) and American Academy of Science. He was invited to lecture at numerous universities and faculties in the country (Beograd, Nis, Sarajevo, Cacak) and abroad (TU-Berlin, University of Michigan, University of Cincinnati in Ohio). He spent considerable time in the United States and Germany as a visiting professor and scientist. Professor Simic was elected professor at the University of Cincinnati and the visiting scientist of the Federal Institute NIOSH in Cincinnati and the American Academy of Science. He was the member of a number of professional associations and an expert of the International Standardization Organization (ISO).

As one of the most distinguished professors and scientific workers at the University of Kragujevac, he was at the managing positions for a long period of time (17 years) – Deputy Head of the Branch of Belgrade Faculty of Mechanical Engineering (1967-1970), Dean of the Faculty of Mechanical Engineering in Kragujevac in two terms (1971-1975), vice-rector of the University of Kragujevac in two terms (1976-1980) and the rector of the University of Kragujevac in two terms (1980-1984), thus enormously contributing to its founding and development. It should be noted that he was very active as the President of the Commission for the establishment of the independent Faculty of Mechanical Engineering in Kragujevac, the President of the Commission for the establishment of the Branch of Belgrade Faculty of Medicine in Kragujevac, Head of the Investment project for constructing the buildings of the Faculties of Law and Economics in Kragujevac and the person who initiated the first graduate programs at the Faculties of Mechanical Engineering and Economics in Kragujevac.

After the retirement, he continued with publishing activities and managed the Center for young talents in Kragujevac.

PREUZETO IZ
„SPOMENICE UNIVERZITETA U KRAGUJEVCU 1976-2006”
REČI NA DELU - PROF. DR. DUŠAN SIMIĆ
(str.208 – 214)

Dušan Simić, redovni profesor Mašinskog fakulteta Univerziteta u Kragujevcu, član Akademije kvaliteta Ruske federacije, publicista i član Udruženja književnika Srbije, rođen je u Beogradu 22. Marta 1928. Godine, gde je završio gimnaziju i Mašinski fakultet (1953).

Po završetku studija radio je 10 godina u privredi na rukovodećim mestima u svojstvu direktora Centralne servisne službe „Zastave” u Kragujevcu, šefa Servisne službe FAP-a u Beogradu, tehničkog direktora FAP-a u Priboju, direktora konstrukcije i razvoja združenog preduzeća ITV (FAP, FAMOS, ZMAJ, IKARUS, 11. OKTOMBRI i AUTOKAROSERIJA ZAGREB).

„Kao rukovodilac Servisne službe (1958/59), inž. Dušan Simić organizuje mrežu servisnoremontne službe, ustrojava statistiku o vozilima u eksploataciji, izrađuje prvo Uputstvo za rukovanje i odražavanje vozila FAP-a i radi na projektovanju kompletne tehnologije i organizacije rada u fabrici; kao tehnički direktor FAP-a (od 1.8.1959.) učvršćuje organizaciju pripreme službe fabrike, revidira strukturu mašinske opreme po investicionom programu i menja tehnološku koncepciju, tako da iz istih investicionih sredstava realizuje nabavku za kapacitet od 5.000 vozila godišnje, umesto ranije planirane nabavke za 3.600 vozila i rukovodi razvojem novih konstrukcija, izrađuje studiju perspektivnog razvoja proizvoda na osnovi integracije nekoliko preduzeća.”¹

Od 1964. godine, profesor je Mašinskog fakulteta u Kragujevcu.

Bio je glavni projektant i konstruktor više motornih vozila i njihovih agregata među kojima je najznačajniji kamion FAP-18B.

Pokretač je i inicijator časopisa FAP, kao i časopisa *MVM- Motorna vozila i motori* (danas internacionalni časopis *Mobility and Vehicle Mechanics*), čiji je glavni i odgovorni urednik 30 godina.

Doktorirao je u Zapadnom Berlinu na Tehničkom univerzitetu – Institutu za motorna vozila (1970) sa temom *Beitrag zur optimierung der Schwingung-seigenschaften des Fahrzeuges – Physiologische Grundlagen des Schwingungskomp-fortc*, koja je ocenjena najvišom ocenom. Ista je prevedena na engleski jezik od strane RAE – Royal Aircraft Establishment – Ministarstva odbrane Kraljevskog vazduhoplovstva Engleske i izdata pod naslovom *Contribution to the optimisation of the oscillatory properties of a vehicle: physiological foundation of comfort during oscillations*.

Izuzetan doprinos dao je svojim radovima u oblasti uticaja vibracija na čoveka, te poboljšanja kvaliteta vožnje u transportnim sredstvima. U inostranoj stručnoj literaturi poznate su Simićeve S – krive oscilatorne udobnosti. Ove krive čine osnovu za izradu internacionalnog ISO standard 2631, kao i odgovarajućih nacionalnih standarda.

Široki spektar naučnih disciplin bio je predmet njegovih predavanja: *Motornia vozila, Konstrukcija motornih vozila, Eksploatacije MV, Dinamika MV, Bezbednost saobraćaja, Kibernetika, Osnovi automatskog upravljanja, Metodologija naučno-istraživačkog rada, Bimehanika (Medicinski fakultet)*.

¹ Iz publikacije povodom desetogodišnjice FAP-a (1963)

Bavio se istraživanjem i razvojem u oblasti motornih vozila i drumskog saobraćaja (opštom teorijom, konstrukcijom, bezbednošću i eksploatacijom), biodinamike, teorije vibracija, uticaja vibracija na čoveka i kibernetike.

Autor je više knjiga i monografija (48 izdanja), kao i većeg broja objavljenih naučno-istraživačkih radova (preko 130) u zemlji i inostranstvu. Najistaknutija dela su: *Motorna vozila* (1973, 1977, 1988), *Dinamika motornih vozila* (1980, 1988), *Osnovi automatskog upravljanja* (1983, 1987, 1990), *Osnovi kibernetike* (1985, 1987, 1990, 1999), *Elektronski analogni računar* (1970, 1972, 1977), *Bezbednost automobila* (1996), *Metodologija nauke i tehnički razvoj* (1997, 2002).

Autor je *Englesko-srpskog tehničkog rečnika* (1999), *Nemačko-srpskog tehničkog rečnika* (2001), *Srpsko-engleskog naučno-tehničkog rečnika* (2003) i *Englesko-srpskog enciklopedijskog rečnika* (2005). Svaki rečnik ponaosob posmatran predstavlja kapitalno delo po obimu, sadržaju i strukturi i ima karakter enciklopedijskog rečnika.

Prevodilac je više knjiga sa ruskog jezika.

Bavio se književnim radom i do sada je objavio knjige autobiografske proze: *Sećanja* (1996), *Tragovi* (1998), *Profesor* (1999) i *Ožiljci* (2004)

Bio je stipendista i gostujući profesor: Alexander von Humboldt Foundation (CPH), Fulbright (USA) i Američke akademije nauka. Po pozivu je držao predavanja na većini univerziteta (fakulteta) širom zemlje (Beograd, Niš, Sarajevo, Čačak), kao i u inostranstvu (TU-Berlin, University of Michigan-USA, University of Cincinnati-Ohajo).

Kao gostujući profesor i naučnik boravio je duže vreme u SAD i SR Nemačkoj. Biran je za profesora u Sinsinatiju (SAD) i gostujućeg naučnika Federalnog instituta NIOSH u Sinsinatiju i Američke akademije nauka. Član je većeg broja stručnih udruženja, ekspert Internacionalne organizacije za standardizaciju (ISO).

Kao jedan od najpoznatijih profesora i naučnih radnika Univerziteta u Kragujevcu, dugi niz godina (17) bio je na čelu kragujevačkog visokog školstva - zamenik starešine odeljenja Mašinskog fakulteta (1967-1970), dekan Mašinskog fakulteta u dva mandata (1971-1975), prorektor Univerziteta u Kragujevcu u dva mandata (1976-1980), rektor Univerziteta u Kragujevcu u dva mandata (1980-1984), i dao izuzetan doprinos njegovom razvoju. Posebno treba istaći njegovo aktivno učešće kao predsednika Komisije za osamostaljivanje Mašinskog fakulteta, predsednika komisije za osnivanje Odeljenja Medicinskog fakulteta, zaduženog rukovodioca investitora za izgradnju Pravnog i Ekonomskog fakulteta i kao pokretača prvih postdiplomskih studija na Mašinskom i Ekonomskom fakultetu.

Po odlasku u penziju aktivno se bavio izdavačkom delatnošću i bio je direktor Centra za talente u Kragujevcu.