

Prof. dr Čedo Maksimović Excerpt from CV



Prof. Dr. Čedo Maksimović dipl. civ. eng. graduated from the Department of Hydrotechnics (Water and Environmental Engineering) at the Faculty of Civil Engineering in Belgrade in 1971. At the same faculty, he got his MSc degree and doctorate. A part of the PhD research was conducted at Cambridge and Newcastle University in the UK. From 1971 to 1996 he worked at the Faculty of Civil Engineering in Belgrade on the subject of Fluid Mechanics. He was the Vice-Dean of the Faculty and the Manager of the Institute of Hydraulic Engineering. During his work at the Faculty of Civil Engineering in Belgrade, he was the head of the International Research Center for Urban Water (IRTCUD) under the auspices of UNESCO. With prof. Miodrag Radojkovic he organized in 1987 the first international Urban Drainage Modeling Conference (UDM), with colleagues from Europe and the first and second conference Hydroinformatics, which have since been held regularly throughout the world.

His basic research is in the applied Fluid Mechanics and hydraulics of the urbanwater infrastructure system of and

surface flows.

Since 1996 he has been working as a professor at Imperial College, who was then a part of the University of London, and since 2005 it became an independent university. Since February 2018 he has been a professor emeritus. At the Imperial College in London, he founded and led the UWRG-Urban Water Research Group and launched the publication of the Urban Water Journal and the Urban Water Book Series series (publisher Taylor & Francis), of which is still the main editor (co-editor-in-chief).

As one of the world's leading experts in the field of urban water (UW), he made a key contribution to UW becoming a new scientific discipline, first in the UK and Europe, and then elsewhere. Leading French University of Construction, ENPC (Ecole Nationale des Pontes et Chaussées) in Paris, 2017. promoted him as honorary doctor (dr.h.c - doctor honoris causa). He was President of the European Section of the International Hydraulic Research Association (IAHR). He has published 360 works in international journals and scientific meetings in the country and the world, and is also the author, co-author and editor of 43 books that include textbooks, auxiliary textbooks, professional and scientific publications and proceedings from international conferences that he organized.

In the current decade, he has expanded his field of expertise and scientific activity to the interaction of urban water and "green" infrastructure as key elements of the "blue-green systems". He is the creator and coordinator of the EU Blue-Dream project (Blue Green Dream, BGD - www.bgd.org) that sets the foundation for innovative methods of integrated urban planning (BGS - Blue Green Solutions, *PZR-Plavo Zelena Rešenja*), which increases sustainability and the resilience of cities to climate change and extreme weather, as well as the cost-effectiveness of these systems. One of the most important applications of the BGS method is the planning and management of city protection systems against pluvial floods in interaction with the innovative technologies of the WWTP for which he received the "Green Business Award" (Business Green Award) in London in 2016 and in 2018, Sustainable Cities Award. He is also the founder and coordinator of the international consortium for the promotion and implementation of Blue Green Solutions Consortium.

The latest initiative of the consortium is the introduction into planning practice. design and construction of wastewater treatment plants with innovative, sustainable bio-technology of activated sludge with fixed biofilm (IFAS / Integrated Fixed-Biofilm Activated Sludge). By introducing this technology (by replacing conventional conventional technologies) in Serbia, only

construction costs could save up to one billion euros with significantly lower operating costs (lower energy consumption), reducing land use and sludge production, eliminating unpleasant odors, improving public health and long ecological conditions (see article)ⁱ.

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^{i i} Č. Maksimović (2018), IMA LI SRBIJA DOVOLJNO MUDROSTI DA POSTANE VODEĆA ZEMLJA U PRIMENI NOVIH TEHNOLOGIJA POSTROJENJA ZA PREČIŠĆAVANJE OTPADNIH VODA (Ili dobrovoljno ostaje 'siromah' na začelju - za šta će da potroši više para), Vodoprivreda 035-0519, Vol 50 (2018) No 294-206 p 215-228