

EDITOR-IN-CHIEF

**Dalibor P. Držića**, PhD, Pan-European University APEIRON Banja Luka  
College of Information Technology, Pere Krece 13, Banja Luka, RS, BiH  
E-mail: dalibor.p.drjaca@apeiron-edu.eu

MANAGING EDITOR

**Siniša Tomić**, PhD, Pan-European University APEIRON, BiH  
E-mail: sinisa.m.tomic@apeiron-edu.eu

HONORARY BOARD

**Gordana Radić**, PhD, Pan-European University APEIRON, BiH  
E-mail: gordana.s.radic@apeiron-edu.eu

**Dušan Starčević**, PhD, University of Belgrade, Serbia  
E-mail: starcev@fon.bg.ac.rs

TECHNICAL SECRETARY

**Aleksandra Vidović**, PhD, Pan-European University APEIRON, BiH

INTERNATIONAL BOARD MEMBERS

**Goran Stojanović**, PhD, University of Novi Sad, Serbia  
**Vlado Delić**, PhD, University of Novi Sad, Serbia

**Nebojša Bojović**, PhD, University of Belgrade, Serbia

**Jovan Filipović**, PhD, University of Belgrade, Serbia

**Maja Gajić Kvaščev**, PhD, Vinča Institute of Nuclear sciences, Serbia

**Dragutin Kostić**, PhD, University of Belgrade, Serbia

**Ljubomir Lazić**, PhD, University UNION Nikola Tesla, Serbia

**Boško Nikolić**, PhD, University of Belgrade, Serbia

**Dragica Radosav**, PhD, University of Novi Sad, Serbia

**Siniša Randić**, PhD, University of Kragujevac, Serbia

**Negovan Stamenković**, PhD, University of Priština, Serbia

**Olja Krčadinac**, Univerzitet UNION Nikola Tesla, Serbia

**Milan Vujanić**, PhD, University of Belgrade, Serbia

**Milena Vujošević Janičić**, PhD, University of Belgrade, Serbia

**Mirko Vujošević**, PhD, University of Belgrade, Serbia

**Damir Zaborski**, PhD, High Railway School - Vocational Studies, Belgrade, Serbia

**Milenko Čabarkapa**, PhD, Adriatic University, Montenegro

**Nataša Gospić**, PhD, Adriatic University, Montenegro

**Milan Marković**, PhD, University Donja Gorica, Montenegro

**Kristina Jakimovska**, PhD, Cyril and Methodius University in Skopje, N. Macedonia

**Gjorgji Jovancevski**, PhD, University American College Skopje, N. Macedonia

**Patricia Bulić**, PhD, University of Ljubljana, Slovenia

**Leonid A. Baranov**, PhD, Russian University of Transport, Russia

**Petr F. Bestemyanov**, PhD, Russia

**Pavel A. Butyrin**, PhD, National Research University "MEI", Russia

**Yuri M. Inkov**, PhD, Russian University of Transport, Russia

**Vladimir N. Malish**, PhD, Lipecky Gosudarstvenny Pedagogichesky Univerzitet, Russia

**Svetlana A. Kolobova**, PhD, NižegorodskiyGPU, Nižnij Novgorod, Russia

**Efim N. Rosenberg**, PhD, Research Institute in Railway Transport, Russia

**Valery T. Domansky**, PhD, Kharkiv National Technical University, Ukraine

**Dmytro Kozachenko**, PhD, Dnipropetrovsk National University of Railway Transport, Ukraine

**Valeriy Kuznetsov**, PhD, Dnipropetrovsk National University of Railway Transport, Ukraine

**Oleksandr M. Pshinko**, PhD, Dnipropetrovsk National University of Railway Transport, Ukraine

**Hristo Hristov**, PhD, University of Transport "T.Kableshkov", Bulgaria

**Mariya Hristova**, PhD, University of Transport "T.Kableshkov", Bulgaria

**Jelena Mišić**, PhD, Ryerson University, Toronto, Canada

**Vojislav B. Mišić**, PhD, Ryerson University, Toronto, Canada

**Ouajdi Corbaa**, PhD, University of Sousse, Tunisia

**Ahmed Maalel**, PhD, University of Sousse, Tunisia

**Vladimir Goldenberg**, PhD, University of Applied Sciences, Augsburg, Germany

**Eva Kovács Gilicze**, PhD, Budapest University of Technology and Economics, Hungary

**Sanja Bauk**, PhD, Durban University of Technology, South Africa

**Maja Đokić**, PhD, Spin on, Barcelona, Spain

**Dimitris Kanellopoulos**, PhD, University of Patras, Greece

**Wang Bo**, PhD, Ningbo University of Technology, China

**Emil Jovanov**, PhD, University of Alabama in Huntsville, USA

**Milan Janić**, PhD, Delft University of Technology, The Netherlands

**Zdenek Votrubá**, PhD, Czech Technical University in Prague, Czech Republic

**Makhamadjan Mirakhmedov**, PhD, Tashkent Institute of Railway Engineers, Uzbekistan

**Nazila Rahimova**, PhD, Azerbaijan State Oil and Industry University, Azerbaijan

**Gabriela Mogos**, PhD, Xi'an Jiaotong-Liverpool University, China

DOMESTIC BOARD MEMBERS

**Zdenka Babić**, PhD, University of Banja Luka, BiH

**Ratko Đurić**, PhD, University of East Sarajevo, BiH

**Gordana Jotanović**, PhD, University of East Sarajevo, BiH

**Esad Jakupović**, PhD, Academy of Sciences and Arts of the Republic of Srpska, BiH

**Branko Latinović**, PhD, Pan-European University APEIRON, BiH

**Goran Đukanović**, PhD, Pan-European University APEIRON, BiH

**Nedim Smailović**, PhD, Pan-European University APEIRON, BiH

**Željko Stanković**, PhD, Pan-European University APEIRON, BiH

**Tijana Talić**, PhD, Pan-European University APEIRON, BiH

**Dražen Marinković**, PhD, Pan-European University APEIRON, BiH

**Dragutin Jovanović**, PhD, Pan-European University APEIRON, BiH

**Milan Tešić**, PhD, Pan-European University APEIRON, BiH

EDITORIAL COUNCIL

**Siniša Aleksić**, PhD, Director, Pan-European University APEIRON, BiH

**Sanel Jakupović**, PhD, Rector, Pan-European University APEIRON, BiH

TECHNICAL STAFF

**Aleksa Marčeta**, WEB presentation

EDITOR ASSISTANTS

**Sretko Bojić**, Pan-European University APEIRON, BiH

**Marko Milovanović**, Pan-European University APEIRON, BiH

ISSN 2232-9625



9 772232 962005