

Acta Polytechnica Hungarica

Journal of Applied Sciences

Editorial Board

*Under the Auspices of
Levente Kovács*

Rector of Óbuda University and
IEEE Hungary Section Chair

*Honorary Editor-in-Chief
Imre J. Rudas*

Óbuda University
Budapest, Hungary

*Editor-in-Chief
Levente Kovács*
Óbuda University
Budapest, Hungary

*Co-Editor-in-Chief
Tamás Haidegger*
Óbuda University
Budapest, Hungary

*Executive Editor
Anikó Szakál*
szakal@uni-obuda.hu

International Advisory Board

C. L. Philip Chen, China
Ladislav Hluchý, Slovakia
Mo Jamshidi, USA
Naoyuki Kubota, Japan
Ren C. Luo, Taiwan
Vincenzo Piuri, Italy
Shun-Feng Su, Taiwan
Bogdan M. Wilamowski, USA

Track Chairs
László Pokorádi
Radu-Emil Precup
Rudolf Andoga

Mechanical Engineering Associate Editors

István Barányi (Óbuda University, Budapest, Hungary)

Nicola Belfiore (Sapienza University of Rome, Italy)

Chee-Kong Chui (National University of Singapore, Singapore)

Richárd Horváth (Óbuda University, Budapest, Hungary)

János Kundrák (University of Miskolc, Hungary)

János Lukács (University of Miskolc, Hungary)

Thi Thoa Mac (Hanoi University of Science and Technology, Vietnam)

Péter Odry (Subotica Tech, Serbia)

José A. Tenreiro-Machado (Polytechnic Institute of Porto, Portugal)

Árpád Veress (Budapest University of Technology and Economics, Hungary)

Katalin Vértes (Oslo Metropolitan University, Norway)

Electrical Engineering Associate Editors

Marcelo H. Ang Jr. (National University of Singapore, Singapore)

Sašo Blažič (University of Ljubljana, Slovenia)

Rajeeb Dey (National Institute of Technology, Silchar Assam, India)

Georgi M. Dimirovski (University St. Cyril and St. Methodius of Skopje, Republic of Macedonia)

István Harmati (Budapest University of Technology and Economics, Hungary)

Péter Kádár (Óbuda University, Budapest, Hungary)

Okyay Kaynak (Bogazici University, Istanbul, Turkey)

Erika Ottaviano (University of Cassino, Italy)

Dan Selisteau (University of Craiova, Romania)

Ján Vaščák (Technical University of Košice, Slovakia)

Informatics Associate Editors

Valentina E. Balas (University of Arad, Romania)

Ildar Batyrshin (National Polytechnic Institute, Mexico)

Peter Butka (Technical University of Košice, Slovakia)

András Dániel Drexler (Óbuda University, Budapest, Hungary)

György Eigner (Óbuda University, Budapest, Hungary)

Tamás Ferenci (Óbuda University, Budapest, Hungary)

Ladislav Főző (Technical University of Košice, Slovakia)

Tamás Haidegger (Óbuda University, Budapest Hungary)

László Barna Iantovics

(George Emil Palade University of Medicine, Pharmacy, Science and Technology of Targu Mures, Romania)

Clara Ionescu (Ghent University, Belgium)

Attila Kiss (Eötvös Loránd University, Hungary)

Ryszard Klempous (Wroclaw University of Technology, Poland)

Levente Kovács (Óbuda University, Budapest Hungary)

Kornélia Lazányi (Óbuda University, Budapest Hungary)

György Molnár (Budapest University of Technology and Economics, Hungary)

Jianbin Qiu (Harbin Institute of Technology, China)

László Szilágyi (Sapientia Hungarian University of Transylvania, Romania)