

Brief CURRICULUM VITAE

Nenad D. Filipovic

Professor of Applied Mechanics, Informatics and
Biomechanics
Center for Bioengineering
Faculty of Engineering
University of Kragujevac
Serbia

E-mail: fica@kg.ac.rs

Web-page: <http://www.mfkg.rs>



ACADEMIC POSITIONS:

Research Associated at Harvard School of Public Health at University of Harvard (USA)
Full Professor at Faculty of Engineering, University of Kragujevac
Head of Center for Bioengineering
Vice-Rector for International Cooperation at University of Kragujevac, Serbia

RESEARCH FIELD:

- Biomechanics, Applied Mechanics
- Biomedical engineering
- Software engineering
- Bioinformatics

AWARDS, MEMBERSHIP:

- Young Scientist Award on the Second MIT Conference on Computational Fluid & Solid Mechanics, (Ed. K.J. Bathe), Boston, USA
- Member of European Society of Biomechanics (ESB) and European Society for Artificial Organs (ESAO).

BIBLIOGRAPHY: His research interests are in the area of fluid mechanics, coupled problems; fluid-structure interaction, heat transfer; biofluid mechanics; biomechanics, multi-scale modeling, discrete modeling, molecular dynamics, computational chemistry and bioprocess modeling. He is the author and co-author of eight textbooks and three monographs in English, more than 120 publications in peer reviewed journals and more than 10 software packages for modelling via the finite element method and discrete methods in fluid mechanics and multiphysics. He is Director of the Center for Bioengineering at the University of Kragujevac and leads joint research projects with the Harvard University and the University of Texas in the area of bio-nano-medicine computer simulation. He also leads a number of national and international projects in the area of bioengineering and bioinformatics. He is a Managing Editor for Journal of Serbian Society for Computational Mechanics.