

Prof. dr. sc. Zdravko Terze

University of Zagreb, Croatia

Head of Chair of Flight Vehicle Dynamics

Faculty of Mechanical Engineering and Naval Architecture

e-mail: zdravko.terze@fsb.hr

Prof. dr. sc. Zdravko Terze, Full Professor at *University of Zagreb*, received Ph.D. degree from University of Zagreb (1996). As invited scientist he pursued his research in domain of computational mechanics and multibody systems dynamics at *University of Brussels (VUB)* and *University of Stuttgart*, and was affiliated with *Schlumberger Technologies* in Vienna, Austria.

Prof. dr. sc. Zdravko Terze is Affiliated Professor at *Harbin Institute of Technology, State Key Laboratory of Robotics and Systems, Harbin, China* in the field of space robotics. He delivers courses at Univ. Zagreb within graduate and postgraduate academic program, and delivered lectures and seminars at the universities and institutes in USA (*NASA Jet Propulsion Laboratory, California Institute of Technology - CALTECH*), EU (*ETH-Zürich, Politecnico di Milano, University of Stuttgart, UPM Madrid*), China (*Beijing University of Aeronautics and Astronautics (BEIHANG), NPU Xi'an*), India (*Indian Institute of Science*), and number of international doctoral schools, such as *École de Physique des Houches, Les Houches, France; International Centre for Mechanical Sciences (CISM), Udine, Italy and Colloque International de Théories Variationnelles, France*.

As a principal investigator and head of research, Prof. Terze conducted number of research programs supported by *European Space Agency (ESA)*, National Scientific Foundation, EU research funds, and industrial partners, in domain of space robotics and autonomous systems, numerical simulations and mathematical modeling, multibody and non-linear dynamics, and computational multi-physics and artificial intelligence.

Prof. dr. sc. Zdravko Terze was appointed expert member of *European Commission Expert Group on Space Surveillance and Tracking (SST)* (2014-2021), as well as appointed member of *European Commission Expert Group on Governmental Satellite Communications (GOVSATCOM)* (2017-2021). From year 2021 he is expert consultant in the program 'Support services for EU Space Programme'.

He published more than 150 scientific papers in international journals and conference proceedings and served as scientific chair of the specialized symposia in the field of computational dynamics and simulation methods, held within a number of distinguished international scientific conferences (*American Society of Mechanical Engineering (ASME), ECCOMAS (EU computational mechanics), IUTAM (Theoretical and applied mechanics), GAMM*, and others. Prof. Terze was Co-Chair of *ASME 13th Int. Conference on Multibody Systems, Nonlinear Dynamics (MSNDC)* in Cleveland, U.S., 2017 and *ASME 14th Conference MSNDC* in Quebec City, Canada, 2018.

Furthermore, Prof. Terze serves as a reviewer of the international scientific projects for number of national scientific agencies/foundations. He is member of Advisory Board of the scientific journals '*Multibody System Dynamics*' (Q1) and '*Aerotecnica Missili & Spazio*' ('*Journal of Aerospace Science, Technologies & Systems*', Springer). Prof. Terze was also Associate Editor of '*ASME Journal of Computational and Nonlinear Dynamics*' (Q1/Q2) (2014-2020) and member of American '*ASME Technical Committee on Multibody Systems and Nonlinear Dynamics*' (U.S).

Prof. Terze is Full Member of *Croatian Academy of Engineering*, he was elected as *Vice-President of Croatian Academy of Engineering Sciences* (2013-2022) and *Chair of Academy Scientific Council*, and he received multiple awards for his academic work.