

Conference series:

# LEADERS OF AUTOMOTIVE SCIENCE AND INDUSTRY

New Series - 9<sup>th</sup> conference



Transilvania  
University  
of Brasov



This series of conferences is being organized by the Automotive and Transportation Department of Mechanical Engineering Faculty, Transilvania University of Brasov in collaboration with SIAR – Society of Automotive Engineers of Romania – and various other prestigious institutions from E.U. and throughout the world.

## Invited speaker: Prof. Dr. Eng. Corina SANDU



Dr. Corina Sandu is Robert E. Hord Jr. Professor in the Mechanical Engineering Department at Virginia Tech, Acting Department Head, and Director of the Terramechanics, Multibody, and Vehicle Systems (TMVS) Laboratory. Dr. Sandu's research expertise lies in vehicle dynamics (suspension, handling, ride, performance), terramechanics (vehicle-terrain interaction, tire/track modeling, vehicle mobility, soil/terrain modeling) and multibody dynamics (modeling, simulation, uncertainty quantification, parameter estimation, sensitivity analysis, design optimization). Dr. Sandu published 90 journal papers, 120 proceedings papers, 10 book chapters, and (co)authored over 322 other papers, reports, posters, and presentations. As of April 20, 2022, according to Google Scholar, Dr. Sandu's work received 2,759 citations, H-index 25 and i10-index 77. She served as Principal Investigator (PI) or co-PI for numerous funded research projects of over \$12.6 million. She is the Editor-in-Chief of SAE International Journal of Commercial Vehicles and Vice-chair of the SAE International Journals Editors' committee. Dr. Sandu is the President of the International Society for Terrain-Vehicle Systems (ISTVS), which is a member of FISITA. She is also Editor-in-Chief of the Mechanics Based Design of Structures and Machines; An International Journal, and Associate Editor of the ASME Journal of Autonomous Vehicle Systems (JAVS).

Conference title:

# Vehicle autonomy and off-roading – state of the art, current challenges, and future directions

The conference will take place online on 17<sup>th</sup> of May 2022, 15:00- local time, at the following address: <https://meet.goto.com/306478661> , Access Code: 306-478-661

Host: Prof. Dr.-Ing. Anghel CHIRU<sup>1</sup>

Moderator: Conf. Dr.-Ing. Dragoş Sorin DIMA<sup>1</sup>

(1 – Transilvania University of Brasov)