

NOMINATION FOR an IFToMM AWARD

Name of Honor or Award:	The Dedicated Service Award
Date submitted:	25.07.2014
Full Name of Nominee:	Ion Vișa
Nominee's Title/Position:	Professor, Transilvania University of Brașov, Romania
Nominee's Address:	Transilvania University of Brașov Faculty of Technological Engineering Eroilor 29, 500036 Brașov, Romania Tel/Fax: +40 268 414690 e-mail: visaion@unitbv.ro
Nominee's Citizenship:	Romanian
Citation: (35-40 word summary of nominee's qualifications)	for his outstanding successful activity in IFToMM as IFToMM MO chair and promoter of TC with vision and initiatives in new areas of MMS
Nominator(s): (Names, IFToMM affiliation/ connection of the person or persons suggesting the nomination)	Prof. Ioan Doroftei – Chair of IFToMM - Romania Member Organization, ARoTMM
References: (Names and addresses of the individuals - at least three - acquainted with the nominee's qualifications and requirements of the award who have written the attached letters. Please be advised that the Executive Council will not consider more than five reference letters. It is the responsibility of the nominator to obtain all references and to append them to the nomination)	Carlos Lopez Cahun – Universidad Autonoma de Queretaro, Queretaro, Mexico Erwin-Chr. Lovasz , University Politehnica Timișoara, Timișoara, Romania Miroslav Václavík University of Liberec, Czech Republic

CURRICULUM VITAE

Nationality: Romanian

Data of birth: 3 Septembrie 1949, Câmpina, România

Academic and professional positions:

- 1972 – Graduate of the Faculty of Mechanics, Transilvania University of Brasov
- 1982 – Ph. D. Transilvania University Brasov, Faculty of Mechanics, Dept.: Machine Parts and Mechanisms Subject: *Optimization of the kinematic system of the steering and suspension in automobiles*
- 1994 – prezent Professor
- 1982 – 1988 Educational Director
- 1990 – 1991 Vice Head of the Dept. For Machine Parts, Mechanisms and Robots
- 1992 – 1995 Vice Dean of the Technological Engineering Faculty
- 1996 – 2000 Head of the Dept. For Machine Parts, Mechanisms and Robots
- 2000 – 2004 Dean of the Technological Engineering Faculty

- 2004 - 2012 Rector of the Transilvania University of Brasov
- 2012 – present General Manager of the R&D Institute of the Transilvania University of Brasov
- 2003 - present General Manager of the Centre: Product Design for Sustainable Development

Professional Memberships:

- Chairman of the IFToMM TC: Sustainable Energy systems
- Vice-president of European Sustainable Energy Innovation Association, ESEIA,
- President of The Romanian Association for the Theory of Mechanisms, ARoTMM (2004-2012);
- Romanian Academy for Technical Sciences, ASTR, corresponding member;
- The Romanian Association for Mechanical Transmissions, RoAMET;
- The Romanian Association of Engineers, AGIR;
- The Association of Automotives Engineers, “Radu Mardarescu”;
- International Education Society for Solar Energy, IESS.

Field of professional activity:

- Fine Mechanics
- Mechatronics
- Aircraft
- Products Design
- Automotives

Publications, projects and organizing events relating to the given themes:

- over 200 scientific publications in the fields of: TMM and Renewable Energy Systems
- 15 didactic publications (courses, handbooks, problem books)
- Ph.D. advisor: 16 Ph.D. students
- over 15 national and European research grants and several industrial comisions
- over 10 educational and training international grants
- Engineering of Renewable Energy Systems, B.Sc., proposed to the Romanian National Ministry of Education, evaluated in 2007 and starting to run in 2007/2008.
- Design and Management of Renewable Energy Systems (European master, 1.5 years, starting with 2003, in English); resulted in an European Socrates CDA project, in collaboration with 12 EU partner universities);
- RES&EM, training course for LLL developed in the frame of a Leonardo da Vinci Pilot Project
- Sustainable Product Design and Environment, Bologna Master courses, 2 years, starting with 2009/2010).
- Editor in Chief: Bulletin of the Transilvania University (2004-2012)
- Editor of the Proceedings of Syrom 2009, The 10th IFToMM International Symposium on Mechanisms and Machines Springer (ISBN 978-90-481-3521-9), 2009
- PRASIC 2002, 2006 – Editor al Vol. III, Product Design
- Conference Chairman: International Conference SYROM 2009, SYROM 2013 (IFToMM Conference), International Conference on Sustainable Energy, Brasov, 2005, 2008, 2011, 2014, BRAMAT, 2005, 2007

International Cooperation

- Socrates Coordonator: innitiator and coordinator of the students and teaching staff exchange with the following universities: Katholieke Hogeschool Zuid West Vlaanderen-Kortrijk, University de Liege, Vitus Bering Center for Higher Education, ENSAM, ENIM Metz, IFMA Clermont-Ferrand, Universite de Metz, Universite de Technologie de Belfort – Montbeliard, Universite de Technologie de Compiegne FH Heilbronn, FH Bremen, FH Aachen, TEI Patras, TEI Athens, TEI Larissa, TEI Crete, Universita Degli Studi di Pavia, Heriot Watt University, Plymouth University, University of Luton, Buckinghamshire Chiltrens University College, Delft University of Technology, Hogeschool van Utrecht, Universidade do Porto, Instituto Politechnico do Porto, Universidad de Zaragoza, Universidad Politecnica de Madrid.

Awards and distinctions

- National Order “Merit in Education”, with the rank of Higher Officer. (2005)
- Doctor Honoris Causa, Bloomfield College New York, USA (2009)

Activities related to IFToMM

- More than 40 years teaching experience in the Science of Mechanisms and Machines
- Developing teaching courses on Mechanisms, at B.Sc. and M.Sc. levels and Ph.D. programs on advanced mechanisms for high-tech products
- Promoter at national level of the courses Industrial Design and Engineering Product Design

- Over 40 national and international projects on mechanisms design and their applications in transportation (cars, trucks, loaders) and in renewable energy systems (tracking systems)
- Launching a novel research topic on mechanical systems for efficient and affordable solar energy conversion systems
- Chair of the Romanian branch of IFToMM – ARoTMM, during 2004 - 2012
- Promoter of the National Seminary on the Science of Mechanisms and Machines (yearly event) starting with 2006 (9th edition in 2014)
- Promoter and Chair of the IFToMM TC Sustainable Energy Systems, starting with 2011
- Experience as Head of Department, Dean, Rector and General Manager of the R&D Institute of the Transilvania University of Brasov, Romania.

Vision on and commitment to IFToMM values

- Mechanisms are an important part of high-tech products, thus their development, modelling and optimization is an essential component of the progress
- Mechanisms can support the large spread of the clean and affordable energy sources, renewables-based, thus concerted efforts have to be done for promoting interdisciplinary studies aiming at concrete solutions.
- IFToMM has the experience, expertise and international visibility to become a world leader in these new economic pattern
- International cooperation among the Member Organization and with representative structures all over the world will give increased value to the Science of Machines and Mechanisms.
- The cooperation in research and education on the Science of Machines represents a key issue that can further expand the links between the Member Organizations.

BRIEF BIOGRAPHY

Prof. PhD Ion Vișa graduated his studies at the Faculty of Mechanics (Automobiles and Tractors), University Transilvania Brașov in 1972. He got the PhD title in 1982 at the University Transilvania Brasov, Faculty of Mechanics, Department Machine Parts and Mechanisms (Subject: Optimization of the kinematic system of the steering and suspension in automobiles). In 1994 he became Professor of the University Transilvania Brașov. Since 1990 until present he contributed to the management of the university as Vice Head of the Department Machine Parts, Mechanisms and Robots (1990 – 1991), Vice Dean of the Technological Engineering Faculty (1992 – 1995), Head of the Department Machine Parts, Mechanisms and Robots (1996 – 2000), Dean of the Technological Engineering Faculty (2000 – 2004), Rector of the Transilvania University of Brasov (2004 - 2012), General Manager of the R&D Institute of the Transilvania University of Brasov(2012 – present) and General Manager of the Centre Product Design for Sustainable Development (2003-present). The main fields of his professional activity are theory of mechanisms, fine mechanics and management of research and development. He is (co-)author of over 200 papers published in main stream journals and 15 submitted patents and coordinated over 30 international and national research grants on promoting renewable energy systems, focusing on their implementation in the built environment. He is an active Member of IFToMM. He is a member of the National Committee of IFToMM from Romania since 1975. Prof. Ion Visa was Chair of the Romanian branch of IFToMM – ARoTMM, during 2004 – 2012. Currently he is Chairman of the TC Sustainable Energy Systems (2011-2015). Prof. Ion Visa is the initiator and of the IFToMM Technical Committee Sustainable Energy Systems and Vice-President of the European Sustainable Energy Innovation Alliance – ESEIA, being also member of national and international organisms for promoting renewable and sustainable energy solutions at community level and member of the Romanian Academy for Technical Sciences.