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#### **Brief Profile**

**Luige Vladareanu** received Ph.D. degree in electronics field from the Institute of Solid Mechanics of Romanian Academy, in 1998. From 2003, Ministry of Education and Research, executive Department for Financing Superior Education and of Scientific University Research - High Level Expert Consulting for MEC/CNCISIS project, from 2003-2005, member of Engineering Science Committee of Romanian National Research Council, from 2005, Scientific Researcher Gr.I (Professor) of Romanian Academy, from 2009 Head of Robotics and Mechatronics Department of Institute of Solid Mechanics, Romanian Academy. His scientific work is focused on real time control in solid mechanics applied in robot trajectory control, hybrid position – force control, multi-microprocessor systems for robot control, acquisition and processing of experimental physical data, experimental methods and signal processing, nano-micro manipulators, semi-active control of mechanical system vibrations, semi-active control of magnetorheological dissipaters systems, complex industrial automations with programmable logical controllers in distributed and decentralized structure. He has published over 35 books and book chapters, 11 edited books, over 200 papers in journals, proceedings and conferences in the areas. Director and coordinator of over 15 grants of international and national research – development programs in the last 5 years, 15 invention patents, developing 17 advanced work methods resulting from applicative research activities and more than 60 research projects. He is the winner of the two Prize and Gold of Excellence in Research 2000, SIR 2000, of the Romanian Government and the Agency for Science, Technology and Innovation. 9 International Invention and Innovation Competition Awards and Gold of World's Exhibition of Inventions, Geneva 2007 - 2009, and other 9 International Invention Awards and Gold of the Brussels, Zagreb, Bucharest International Exhibition. He received “Traian Vuia” (2006) *award of the Romanian Academy*, Romania's highest scientific research forum, for a group of scientific papers published in the real time control in the solid mechanics. He is a Corresponding Member of the American Romanian Academy and he is a member of the International Institute of Acoustics and Vibration (IIAV), Auburn University, USA (2006), ABI's Research Board of Advisors, American Biographical Institute (2006), World Scientific and Engineering Academy Society, WSEAS (2005), International Association for Modelling and Simulation Techniques in Enterprises - AMSE, France (2004), National Research Council from Romania (2003-2005), etc. He is a PhD advisor in the field of mechanical engineering at the Romanian Academy. He was an organizer of several international conferences such as the General Chair of four WSEAS International Conferences (<http://www.wseas.org/conferences/2008/romania/amta/index.html>), chaired Plenary Lectures to Houston 2009, Harvard, Boston 2010 and Penang, Malaysia 2010, Paris 2011, Florence 2014, Tenerife 2015 to the WSEAS International Conferences, is team leader of WSEAS scientific research project: Mechanics & Robotics Systems and is serving on various other conferences and academic societies, Vice President ICCMIT 2017,

Warsaw, Special-session chair ICCMIT 2017, Warsaw, ICCMIT 2015, Prague, ICAMechS 2012-2016, Tokyo, Beijing, Melbourne, Editors-in-Chief of the Proceedings of the Annual Symposium of the Institute of Solid Mechanics and Session of the Commission of Acoustics, Romanian Academy, 2007-2016.

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*Coordinator Director of PN-II-PT-PCCA-2013-4-2009, no.9/2014, 2014-2017 (<http://vipro.edu.ro>)*

*Coordinator Director of „Joint Laboratory of Intelligent Rehabilitation Robot” collaborative research project between Romanian Academy by IMSAR and Yanshan University, China and Ministry of Science and Technology of the People's Republic of China, MOST of PRC, STAP-DC project No. KY201501009*

*Romanian Partner Director of FP7 EU RABOT (<http://rabot.fusion-edu.eu><<http://rabot.fusion-edu.eu/>>) project*

*Romanian Partner Director of H2020 RISE, SMOOTH project (negotiation phase)*

*Coordinator Director of TOP MetEco AMBIENT project (<http://www.fonduri-ue.ro>), POC-A.1-A.1.2.1-D- 2015, ID P\_39\_383/2016-2018, Project co-financed by the European Regional Development Fund through Competitiveness Operational Programme 2014-2020*

*Chair of SISOM 2016 ([http://www.imsar.ro/Call\\_for\\_papers\\_SISOM\\_2016.pdf](http://www.imsar.ro/Call_for_papers_SISOM_2016.pdf))*

*Special Session Chair of ICAMECHS 2016, Melbourne, Australia, (<http://web.tuat.ac.jp/~deng/icamechs2016/icamechs2016.html> )*

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