

Curriculum Vitae

Last Name	Radoi
First Name	Radu Iulian
Institution	National Institute for Research and Development for Optoelectronics - INOE 2000 branch Research Institute for Hydraulics and Pneumatics (IHP)
Short CV	<p>Work experience Technical studies, research and design of equipment and hydraulic drive installations:</p> <ul style="list-style-type: none"> • 2000-2002 Engineer – research assistant • 2002-2011 Engineer – scientific researcher • 2011 -2017 Engineer – scientific researcher III • 2014 Head of Department of Servo Techniques, Electronics and Mechatronics • 2018 Engineer – scientific researcher II <p>Education and training “Politehnica” University of Bucharest, Faculty of Mechanical Engineering:</p> <ul style="list-style-type: none"> • 1995-2000 Diploma of engineer Specialization: Hydraulic and Pneumatic Machines • 2000-2001 Postgraduate studies diploma Informatics of hydraulic and pneumatic systems • 2006-2011 PhD Diploma in the field of Mechanical Engineering <p>Technical skills and competences Sensors, electronics, testing and adjustment of electro-hydraulic equipment</p> <p>Computer skills and competences Solid Works, AutoCAD, Catia , Inventor, Amesim, Ansys, Simulink – Matlab</p> <p>Foreign languages English</p> <p>Other specializations and qualifications</p> <ul style="list-style-type: none"> • Training in the field of design and implementation of the quality system in laboratories according to the standard ISO17025 • Specialization course for innovation managers
List of five relevant publications and/or patents within the last five years	<p>Papers</p> <ol style="list-style-type: none"> 1. Radoi R.; Pavel I.; Cristescu C.; Dumitrescu L., Production of domestic hot water in a sustainable way by using a combined Solar-TLUD system, Geolinks Conference 2020, Volume 2, Book 2, pp. 277-286; 2. Cristescu C.; Radoi R.; Dumitrescu C.; Dumitrescu L., Energetic optimization and environmental protection by using solar energy on security pontoons on the Danube, Geolinks Conference 2019, Volume 1, Book 1, pp. 137-145; 3. Chirita AP; Bere PP; Radoi RI; Dumitrescu L., Aspects Regarding the Use of 3D Printing Technology and Composite Materials for Testing and Manufacturing Vertical Axis Wind Turbines, MATERIALE PLASTICE, Volume: 56, Issue: 4 pp. 910-917, 2019; 4. Carlescu PM; Matache G; Pavel I; Radoi RI; Ilie I, The heat transfer simulation in a heating station that uses renewable sources for heating greenhouses, ENERGY AND CLEAN TECHNOLOGIES CONFERENCE PROCEEDINGS, , VOL I, pp 731-738, SGEM 2016; 5. Popescu TC; Radoi R.; Blejan M.; Nicolaie S., Considerations on the experimental testing means of axial hydraulic turbine models Proceedings of SGEM, pp. 137-144, 2015; <p>Patent RO133193A2 Wind Power System, Cristescu C.; Dulgheru V.; Dumitrescu I.C.; Dumitrescu L.; Radoi R.</p>