



Prof. dr. eng. Anton Hadăr, born in 1958, Ludești, Romania, graduated from University POLITEHNICA of Bucharest (UPB), Faculty of Industrial Engineering and Robotics, specialization Technology of Machine Building, in 1984. He obtained the title of Doctor in Engineering Sciences in 1997, in “*Strength of materials, elasticity and plasticity*” with thesis “*Local problems in composite materials*”. Starting with 1990 he has worked at University POLITEHNICA of Bucharest, Faculty of Industrial Engineering and Robotics, Department of Strength of Materials, where he is Professor since 2003 and PhD supervisor since 2008.

He is Vice-president of the UPB Senate, starting with 2012.

Professor Anton Hadăr research activity generated original scientific results recognized at both national and international level. During his career, Professor Anton Hadăr was directly involved and coordinated 18 research projects and European projects.

Technical skills: strength of isotropic materials and stratified composites, numerical analysis of structures made of isotropic and anisotropic materials, inventions, biomechanics, experimental analysis of structures, entrepreneurship, technological transfer, protection of intellectual property.

Professor Anton Hadăr is author / co-author of several prototypes, applied in socio-economic environment: anatomical models and personalized surgical guides, a new type of vibro-combiner, hydrodynamic bearing used to super polishing of the parts by surface grinding, generator of mechanical impulses with electrical actuation, hydrocyclon for separation of the solid fractions from hydromases, device to measure masses and weights, device to measure axial loads in the elements of strength structures, device for correction of scoliosis and kyphosis, etc.

He founded *UPB C.T.T. - POLITECH*, a Center for Technology Transfer, being director between 2011-2016.

#### **Affiliations**

- Professor, Department of Strength of Materials, UPB;
- Academy of Romanian Scientists;
- Technical Sciences Academy of Romania.

#### **Executive summary**

- more than 55 journal articles (Web of Science), more than 140 proceedings of conferences (more than 30 in ISI proceedings), author and co-author of 14 scientific books published by prestigious publishing houses (from which two in Publishing house of the Romanian Academy and AGIR publishing house), co-author of a chapter in a book appeared at Elsevier, 5 invited plenary talks, 7 patents (one in Italy) and more than 6 requests patents;
- Doctor Honoris Causa of: Ovidius University of Constanța, Romania (2020); Gheorghe Asachi Technical University of Iași, Romania (2016); Petru Maior University of Târgu Mureș, Romania (2015); Lower Danube University of Galați, Romania (2012); Eftimie Murgu University of Reșița, Romania (2012), Aurel Vlaicu University of Arad, Romania (2010) and University of Oradea, Romania (2010);
- Sub editor in chief and referee reviewer of the I.S.I. journal “Materiale plastice”;
- Referee reviewer for more than 5 scientific journals (Composites Part B, Journal of Composite Materials, etc.);
- Figures of merit: H-index: 12 / 01/08/2020, 23 gold medals, 9 silver medals and 7 Special Awards at international inventions fairs (Geneva, Brussels etc.), Diploma of “CHEVALIER”, European Innovation Awards, Brussels 2008.