

Curriculum vitae Europass



Personal information

First name / Surname **HADĂR ANTON**

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Nationality Romanian

Date of birth 01.12.1958

Gender Male

Desired employment / Occupational field

CNATDCU Member

Work experience

Dates

- Professor (since 2003) at Department of Strength of Materials, University POLITEHNICA of Bucharest (U.P.B.);
- Associate Professor (1999-2003) at Department of Strength of Materials, University POLITEHNICA of Bucharest;
- Lecturer (1994-1999) at Department of Strength of Materials, University POLITEHNICA of Bucharest;
- Assistant Professor (1990-1994) at Department of Strength of Materials, University POLITEHNICA of Bucharest;
- Associated Assistant Professor (1988-1990) at Department of Strength of Materials, University POLITEHNICA of Bucharest;
- Associated Assistant Professor (1984-1988) at Department of Technology of Machine Building, Polytechnic Institute of Bucharest.

Occupation or position held

- Professor (PhD supervisor - since 2008) at Department of Strength of Materials, University POLITEHNICA of Bucharest;
- Vice-president of the Senate of U.P.B. (since 2012) - academic position according to the Chart of U.P.B.;
- Director of the Center for Technology Transfer "C.T.T. - POLITECH" (2011-2016);
- Project Manager/Director/Responsible, expert in international and Human Resources (POSDRU, POCU, POSCCE) projects, participant in research teams.

Main activities and responsibilities

Teaching activities since 1984:

- lectures on disciplines: *Finite Element Method* (Faculty I.M.S.T., Faculty of Transports), *Methods and Programs for Structures Calculation* (Faculty I.M.S.T.), *Numerical Methods* (Faculty I.M.S.T.), *Strength of Materials* (Faculties of: Aerospace Engineering, I.M.S.T., Applied Sciences, Transports), *Analysis of Structures* (master studies, Faculty I.M.S.T.), *Structures Modelling* (master studies, Faculty of Mechanical Engineering), *Strength of Composite Materials* (Faculty I.M.S.T.), *Experimental Techniques for Validation of CAE Models* (master studies, Faculty I.M.S.T.), *Analysis of Structures Made of Composite Materials* (master studies, Faculty I.M.S.T.), *Structures Made of Composite Materials* (master studies, Faculty I.M.S.T.);
- applications, projects and laboratory in the Department of Strength of Materials as Assistant Professor, Lecturer, Associate Professor and Professor, on disciplines: *Strength of Materials*, *Mechanical Vibrations*, *Finite Element Method*, *Methods and Programs for Structures Calculation*, *Numerical Methods* (laboratory and project), *Strength of Composite Materials*, *Computational Structural Mechanics* (laboratory and project - English branch), *Complements of Strength of Materials*, *Analysis of Structures* (advanced studies and master studies), *Structures Modelling* (advanced studies), *Experimental Techniques for Validation of CAE Models* (master studies), *Analysis of Structures Made of Composite Materials* (master studies);
- laboratory and project as Associated Assistant Professor in the Department of Technology of Machine Building on disciplines: *Technology of Machine Building and Tolerances and Technical Measurements* (1984-1988);
- applications and laboratory as Associated Assistant Professor in the Department of Strength of Materials on disciplines: *Strength of Materials*, *Mechanical Vibrations* (1988-1990);
- PhD supervisor for more than 20 PhD students (under my scientific coordination, so far, nine doctoral students have obtained the title of doctor engineer, nine other doctoral students being in various stages of their doctoral program);
- supervisor for license theses of students from Faculty of Applied Sciences;
- supervisor of dissertation theses of students from advanced and master studies, branches: "*Advanced studies for new materials*" (T.A.N.M., 1995-2007), "*Management and Engineering of Virtual Industrial Enterprises*" (M.I.I.V., 2003-2010) and "*Safety and Integrity of Structures* (S.I.S., since 2008);
- preparation of students for the scientific competition of Strength of materials "C.C. Teodorescu", local and national phases (1991-2006) and participation at the national phases of the competition (Târgu-Mureș, București, Pitești, Timișoara, Reșița etc.) as member of the examining committee;
- organizer of the national phase of the competition of Strength of Materials "C.C. Teodorescu" in 1997 and 2002.

Research activities since 1984: Participant in the research teams of over 85 grants and Director/Responsible of 12 research grants.

Management activities and Director of five POSDRU and POCU projects

1. (2019-2022) "*Academic excellence and entrepreneurial values - scholarship system to ensure opportunities for training and development of entrepreneurial skills of doctoral and postdoctoral students - ANTREPRENORDOC*", POCU project/380/6/13, Project code: SMIS 123847- U.P.B. responsible
2. (2014-2015) "*Virtual community to ensure the quality and perfectioning of the strategic and innovative management in technical and composite universities, in order to increase the relevance of high education on the labor market - ACAD-INOV*", POSDRU project, ID 141884 - U.P.B. responsible
3. (2014-2015) "*ACTIV on the labor market: technical abilities and competences for integration and valorization on the labor market*", POSDRU project, ID 125723 - project manager
4. (2010-2014) "*Virtual interuniversity community for science, technology, innovation and capitalization of intellectual property*", POSDRU Project, ID 12840 - U.P.B. responsible
5. (2010-2013) "*Training of didactic personnel from secondary education (ISCED 2-3) to use Information Technology and e-learning instruments in teaching activity*", POSDRU project, ID 64227 - project manager.

Management activities as director/responsible of research projects won in grant competitions

1. (2014-2017) "*Intelligent collaborative online platform to design and manufacturing of personalized guides in orthopedic surgery - POIGO*", PARTENERIATE Contract -II-PT-PCCA-2013-4
2. (2015) "*Development of transfer and commercialization capacity of the research results in applicative research institutes and centers in Romania - implementation of a pilot model for specialty compartments*", Sectorial project, 10S/04.02.2015
3. (2008-2011) "*Hybrid solar equipment of high efficiency for home use, climatization and delivery of domestic hot water*", INOVARE Contract, No. 283 /2008
4. (2007-2010) "*Wind equipment of small and medium power for agriculture and small and medium enterprises*", INOVARE Contract, No. 82/25.09.2007

5. (2007-2010) "Equipment and technology for vacuum casting of the mechanical parts made of aluminum alloy for the product Mira Reflex", INOVARE Contract, No. 79/25.09.2007
6. (2007-2010) "Multifunctional faucet with digital control of the functioning parameter using proximity sensors", INOVARE Contract, No. 63/25.09.2007
7. (2008-2010) "Mechanical impulse generator with electrical actuating with impulse energy between 10-10000 J/impulse", INOVARE Contract, No. 61/25.09.2007
8. (2004-2006) "Cylinder with differential piston to measure masses and weights", Contract No. 2143/2004, RELANSIN contract
9. (2003-2005) "Equipment for monitoring of the loads from strength structures elements", Contract No. 1742/2003, RELANSIN contract
10. (2000-2003) "Hydro-gravitational separation equipment with annular slot", Contract No. 895/18.09.2000, RELANSIN contract
11. (1999-2002) "Development of new technologies and methods to apply modern techniques of fixation used in orthopedics to treat scoliosis, spine fractures and other deformation diseases", Contract No. 390/24.12.1999, RELANSIN contract

Other management activities as responsible

1. (2007) "Analysis of reliability solution for the stator of turbines, applied or re-technologization of hydro generators from "C.H.E. Porțile de Fier I" - Calculation of strains and stresses in the stator column using numerical methods", subcontract of University Politehnica Timișoara.

Expert in POSDRU, POCU and POSCCE projects

1. (2019-2021) "Development of entrepreneurial skills of doctoral and postdoctoral students - key to career success (A-Success)", POCU project 380/6/13, Project Code: SMIS 125125, Doctoral Program Quality Coordinator
2. (2014-2015) "Researches for introduction in manufacturing of a range of performant vibro-combinators, adapted to exploitation in Romania", Project No. 1CLT/800.024/21.05.2014, COD SMIS: 49857
3. (2014-2015) "Development of human resources in doctoral and post-doctoral research: motor of knowledge-based society (KNOWLEDGE)", POSDRU project/107/1.5/S/134398
4. (2010-2013) "Together for information, consciousness and promotion of equality of chances and gender", POSDRU project, ID 63310

Expert in international projects

1. (2016-2018) "Functional hierarchical composites for structural applications - HIEROCOMP", Project PN III, European and International Cooperation - Horizon 2020, M.ERA-NET 11/2015, UEFISCDI, Contract nr. 11/2015
2. (2011) "Services in support of business and innovation", PRO SME BISNET, CIP/RO/150389/2011, University POLITEHNICA of Bucharest, 313 Splaiul Independenței, 060042, Bucharest, Romania

Name and address of employer

Type of business or sector

Higher education

Education and training

Dates
Title of qualification/diploma awarded
Principal subjects/occupational skills covered
Name and type of organization providing education and training
Level in national or international classification
Dates
Title of qualification/diploma awarded
Principal subjects/occupational skills covered
Name and type of organization providing education and training
Level in national or international

2009 (two weeks)
 Certificate of attendance
Numerical and experimental methods applied to composite materials, Erasmus project
Ecole Nationale d'Ingénieurs de Tarbes, France
 ISCED 6
 2007 (two weeks)
 Certificate of attendance
Propagation of damage in stratified composite materials, Erasmus project
University of Patras, Greece
 ISCED 6

classification	
Dates	2007 (two weeks)
Title of qualification/diploma awarded	Certificate of attendance
Principal subjects/occupational skills covered	<i>Continuous Training Program in the Field of Non-Destructive Technologies and Equipment for Structural Integrity Evaluation of Advanced Materials, Leonardo da Vinci project</i>
Name and type of organization providing education and training	University of Patras, Greece
Level in national or international classification	ISCED 6
Dates	2007 (two weeks)
Title of qualification/diploma awarded	Certificate of attendance
Principal subjects/occupational skills covered	<i>Numerical analysis of stratified composites, Socrates project</i>
Name and type of organization providing education and training	Politecnico di Torino, Italy
Level in national or international classification	ISCED 6
Dates	2004 (two weeks)
Title of qualification/diploma awarded	Certificate of attendance
Principal subjects/occupational skills covered	<i>Continuous Training Program in the Field of New Smart and Composite Materials Applications, Leonardo da Vinci project</i>
Name and type of organization providing education and training	University of Patras, Greece
Level in national or international classification	ISCED 6
Dates	1999 (one month)
Title of qualification/diploma awarded	Certificate of attendance
Principal subjects/occupational skills covered	<i>Numerical calculation of stratified and fiber reinforced composites, Tempus project</i>
Name and type of organization providing education and training	University of Patras, Greece
Level in national or international classification	ISCED 6
Dates	1998 (three weeks)
Title of qualification/diploma awarded	Certificate of attendance
Principal subjects/occupational skills covered	<i>Impact and fatigue of stratified and fiber reinforced composites</i>
Name and type of organization providing education and training	University of Patras, Greece
Level in national or international classification	ISCED 6
Dates	1992-1997
Title of qualification/diploma awarded	PhD Diploma in "Strength of materials, elasticity and plasticity"
Principal subjects/occupational skills covered	<i>Strength of materials, elasticity and plasticity, Title of the PhD thesis: "Local problems in composite materials"</i>
Name and type of organization providing education and training	University POLITEHNICA of Bucharest
Level in national or international classification	ISCED 8
Dates	1994
Title of qualification/diploma awarded	Certificate of attendance
Principal subjects/occupational skills covered	<i>Strength of composite materials and polymers, biaxial loadings, fatigue of composites</i>

Name and type of organization providing education and training	University of Reading, UK
Level in national or international classification	ISCED 6
Dates	1979 -1984
Title of qualification/diploma awarded	Mechanical engineer
Principal subjects/occupational skills covered	Specialization: Technology of Machine Building
Name and type of organization providing education and training	Faculty Technology of Machine Building (actually, Faculty of Industrial Engineering and Robotics), Polytechnic Institute of Bucharest (actually, University POLITEHNICA of Bucharest)
Level in national or international classification	ISCED 6

Personal skills and competences

Mother tongue(s)

Other language(s)

Self-assessment

European level (*)

English

Russian

ROMANIAN

Understanding

Listening

Very good

Good

Reading

Very good

Very good

Speaking

Spoken interaction

Very good

Good

Spoken production

Very good

Good

Writing

Very good

Very good

(*)[Common European Framework of Reference for Languages](#)

Social skills and competences

- capacity of work in teams;
- organizational capacity;
- adaptive capacity;
- persuasive, empathic, enthusiastic;
- open for learning new things and meet new persons;
- capacity of work under stress.

Organizational skills and competences

- creative spirit, good organizer, initiative, team worker;
- experience in project management, monitoring, expertise in project evaluation;
- capacity of self-control and self-development;
- dynamism and seriousness;
- communication abilities, willingness to extra work to achieve the desired goals.

In order to diversify the lectures taught in the Department of Strength of Materials and to modernize the laboratories, I contributed:

- to equip a laboratory for testing and characterizing advanced materials with a state-of-the-art equipment, allowing tests to be performed: traction-compression, bending, dynamic shock stresses, both at ambient temperature and in a controlled environment, in a temperature range from - 100°C to +200°C, dynamic analyses and optical determinations of the deformation state in real time, etc.;
- to endow three laboratories in the department with modern IT equipment (65 computers, software, video-projectors, etc.). Activities of teaching and continuous training are undertaken in these rooms;
- to modernize a laboratory within the department by endowment with 10 computers necessary for teaching laboratory classes especially in the field of numerical methods for calculus of structures;
- to equip with computers a room dedicated to PhD student activity;
- to endow several laboratories in the department with equipment for experimental stress analyses;
- to organize the laboratory for the course "Methods and programs for structures calculation";
- to organize the laboratory for the course "Finite element method";
- to organize of the laboratory for the course "Composite materials";
- to modernize the laboratories within the department by endowment with modern and higher performance equipment;
- to organize of the Center for technological transfer - C.T.T. POLITECH.

Organizer of international scientific conferences, chairman, member in international scientific committees and reviewer for several international conferences.

Member in the working team of “*Interdisciplinary training platform for evaluation of quality of materials and products Q_EVMAT*” (2006).

Technical skills and competences

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.

Author of the following prototypes, applied in socio-economic environment:

- several anatomical models and personalized surgical guides (regarding the patient's anatomy), intended for orthopedic interventions. The working method and the created collaborative intelligent online system represent claims in the frame of a patent application filed in the O.S.I.M. This invention has been awarded, in 2016, with three gold medals, with a special award and a diploma, in valuable international competitions, including INNOVA Brussels;
- a new type of vibro-combiner (SANDOKAN 2 - participant in the conception, design, manufacture, testing and launch in manufacturing), destined to be used in spring, on autumn and summer plowings, which have been previously stapled. The mentioned vibro-combine has superior characteristics in comparison with similar agriculture machinery, its working width being of 12 m. Two patents to which I am co-author refer to an arch reversible chisel for vibro-combination (the first from O.S.I.M. and the other from the Ministero dello Sviluppo Economico, General Directorate for the lot for counterfeiting, Ufficio Italiano Brevetti and Marchi, Rome, Italy), company Maschio Gaspardo Romania being the practical manufacturer of the machinery;
- Hydrodynamic bearing used to super polishing of the parts by surface grinding (patent in progress). It is already applied on some surface grinding machines and received a gold medal at the International Exhibition of Inventions, Genève, 2015;
- System to obtain the stiffness center of milling machines (patent in progress). The invention is used in design of milling machines and received a gold medal at the International Exhibition of Inventions, Genève 2014 and a special prize from Association of Polish Inventors and Rationalizers;
- Generator of mechanical impulses with electrical actuation (already patented). It received a gold medal at the International Exhibition of Inventions, Genève, 2009;
- Multifunctional faucet with digital control of the functioning parameters through proximity sensors;
- Hydrocyclon for separation of the solid fractions from hydromases (already patented). It received a silver medal at the International Exhibition of Inventions, Genève, 2002, gold medal and jury greetings at the International Exhibition of Inventions, Genève 2008 and a special prize from Croatia at the International Exhibition of Inventions, Genève 2008;
- Device to measure masses and weights (already patented). It received “Diploma of honor” at the XXXII-a edition of Bucharest Technical International Fair 2006, a gold medal at the International Exhibition of Inventions, Genève 2007 and a silver medal at the Bucharest Technical International Fair 2007;
- Device to measure axial loads in the elements of strength structures (already patented). It received a gold medal at the International Exhibition of Inventions, Genève 2005, a special prize from Russia and a silver medal at the 2003 EUREKA exhibition Brussels;
- Device for correction of scoliosis and kyphosis, used with success in surgery at Colentina Hospital Bucharest. It received a silver medal at the International Exhibition of Inventions, Genève 2002.

Computer skills and competences

Microsoft Office: Word, Excel, Power Point, Corel, Internet Explorer, MATLAB, Finite Elements Codes for the numerical analysis of strength structures etc.

Other skills and competences

Spirit of observation, analytic thinking, open minded and flexible thinking, aptitude to accumulate new knowledge, availability to motivate the people around, punctuality, sociability, communication skills, no discrimination attitude.

Additional information Professional membership

- Correspondent member of the Technical Sciences Academy of Romania (since 2018);
- Correspondent member of the Academy of Romanian Scientists (since 2015);
- Member of ARACIS council (since May 2015);
- ARACIS evaluator in the field “Mechanical engineering” (2006-2009);
- Member of the Institutional Committee of ARACIS (2009-2015);
- Doctor Honoris Causa of Ovidius University of Constanța (2020);
- Doctor Honoris Causa of Gheorghe Asachi Technical University of Iași (2016);
- Doctor Honoris Causa of Petru Maior University of Târgu Mureș (2015);
- Doctor Honoris Causa of Lower Danube University of Galați (2012);
- Doctor Honoris Causa of Eftimie Murgu University of Reșița (2012);
- Doctor Honoris Causa of Aurel Vlaicu University of Arad (2010);
- Doctor Honoris Causa of University of Oradea (2010).

- Member of CNATDCU in the Committee of mechanical engineering, mechatronics and robotics (since 2011);
- Member of Managing board of Romanian Railway Investigation Agency (AGIFER) (since 2015);
- Member of the working groups set up under the Presidential Program "Educated Romania" (2017-2019);
- Member of the Presidential Committee for Analysis and Elaboration of Politics in Education and Research in Romania (2006-2008);
- ARACIS evaluator in the field "Mechanical engineering" (2006-2009);
- Member of the Institutional Committee of ARACIS (since 2009);
- Member of the Consultative Committee for Research, Development and Innovation of the Ministry of Education and Scientific Research (C.C.C.D.I.) (since 2014);
- President of the committee "Eco-Nano Technologies and Advanced Materials" from the Consultative Committee for Research, Development and Innovation from the Ministry of Education and Scientific Research (2014-2016);
- Member of 8th Commission of C.C.C.D.I. - for organizing and participating in domestic and international scientific events (since 2017);
- Member of 9th Commission of C.C.C.D.I. - for the evaluation of subsidizing technical-scientific literature (since 2017);
- Expert evaluator for projects in the frame of programs: CERES, RELANSIN, MATNANTECH, CALIST, PARTENERIATE, IDEI etc.
- Expert evaluator of C.N.C.S.I.S./U.E.F.I.S.C.D.I. (since 2003);
- Member in the committees for PhD title in the fields "Mechanical engineering" (about 120 theses), "Industrial engineering" (three theses), "Environment engineering" (a thesis) and "Medicine" (three theses);
- Reviewer of more than 20 books in the fields of strength of materials, numerical analysis, calculus of structures made of composite materials;
- Sub editor in chief and reviewer of the I.S.I. journal "*Materiale plastice*";
- Reviewer of I.S.I. Journal "*Composites Part B*" (2020);
- Reviewer of I.S.I. Journal "*Revista de chimie*" (since 2019);
- Reviewer of I.S.I. Journal "*Industria Textilă*" (2018);
- Reviewer of "*Annals of the Academy of Romanian Scientists, Series on Engineering Sciences*" (since 2018);
- Reviewer of "*Journal of Applied Engineering Sciences*", University of Oradea (2010-2012);
- Reviewer of "*Journal of Composite Materials*" (2014);
- Member of Romanian Association of Experimental Stress Analysis (ARTENS) (since 1991);
- Founding member of the Romanian Society of biomaterials;
- Founding member (2002) of the Center for Management and Engineering of Virtual Enterprises (PREMINV).

23 gold medals at international inventions fairs:

- "Hydrodynamic bearing used to superfinishing parts by grinding process" - International Warsaw Invention Show - IWIS 2017;
- "Method and System for Obtaining Customized Surgical Guides Based on Patient Anatomy" - Barcelona INNOVA 2017, 65th edition the World Contest of Innovation - INNOVA Brussels, 2016, International Warszawa Invention Show 2016, INVENTICA 2016, Iași;
- "Paliers hydrodynamiques utilisés pour la super finition de pièces par polissage" - Genève 2015;
- "Système de détermination du centre de rigidité pour les fraiseuses" - Genève 2014;
- "Engrenage différentiel de deux vitesses de réduction" - Genève 2013;
- "Two-speed differential gear reduction" - International Innovation Exhibition - 55 years of organized innovativeness in the Republic of Croatia - Genève 2013;
- "Dispositif orthopédique externe de fixation pour utilisation dans la médecine pour guérir des fractures osseuses" - Genève 2010;
- "Mécanisme percutant et roto-percutant électrique" - Genève 2009, T.I.B. 2009;
- "Cylindre à piston différentiel pour la mesure des masses et des poids" - Genève 2007, Brussels 2008;
- "Hydro-cyclone à sens unique et fente annulaire de séparation uni-sens" - Genève 2008, TIB 2008;
- "Dispositif pour l'amortissement de l'onde sismique" - Genève 2006;
- "Appareil pour le monitoring de la charge axiale des ancrs minières" - Genève 2005;
- "Differential Gear Train for Revolving Machinery Driving" - Budapest 2004;
- "Système d'usinage in situ par coupe" - Genève 2004;
- "Neutralisation par solidification de décantation des stériles miniers, actifs ou en état de conservation" - Genève 2003;
- "Entraînement des transporteurs lourds à bande en caoutchouc, par plusieurs tambours à actionnement différentiel, par un seul groupe moteur-réducteur" - Genève 2002;
- "Stabilisation et consolidation des cendres, scories sidérurgiques et neutralisation des agents

polluants” - EUREKA - Brussels 2001.

- **Special Awards** from Taiwan International Invention Award Winners Association, for invention: “Hydrodynamic bearing used to superfinishing parts by grinding process”, XI International Warsaw Invention Show - IWIS 2017, Warsaw, Poland, 9-11 October 2017;
- **Special Awards for Environment Product and Services** from Republic of China (Taiwan), for invention: “Method and System for Obtaining Customized Surgical Guides Based on Patient Anatomy”, 65th edition the World Contest of Innovation, Research and new Technologies, organised during the Belgian and International Trade Fair for Technological Innovation, 17-19 november 2016, INNOVA Brussels, 2016;
- **Special Award Certificate of Association of Polish Inventors and Rationalizers** for invention “Système de détermination du centre de rigidité pour les fraiseuses”, 42 - Salon International des Inventions de Genève, 2-6 April 2014;
- **Diploma of “CHEVALIER”, European Innovation Awards**, Brussels 2008;
- **Special prize from Russia in 2005, for the activity in the field of science and inventions**, Genève 2005;
- **Diploma of honor** at the XXXII edition of T.I.B. 2006;
- **Special Award for High Level of Invention, Union des Innovateurs de la Croatie**, for invention “One-way hydro-cyclone with annular separation slot”, Genève 2008;
- **Special Award Certificate of Association of Polish Inventors and Rationalizers** for invention “Method of Combined Treatment of Liquids”, Genève 2012.

9 silver medals at international inventions fairs:

- “System for Determining the Centre of Stiffness in Milling Machines”, EUROINVENT 2014 - Iași;
 - “Traitement combine pour liquides” - Genève 2012;
 - “Bruleur de récupération à tubes thermiques” - Genève 2011;
 - “Orthopédique External Fixation Device and Technique of Growing the Biocompatibility” - Brussels 2010;
 - “Cylinder with differential piston for measuring of masses and weights” - T.I.B. 2007;
 - “Procédure et appareil d’affichage des efforts dans les éléments singuliers et complexes, en incluant la stabilité des constructions, des terrains, des haldes etc.” - Brussels 2003;
 - “Moniteur de l’effort axial dans les éléments des structures de résistance” - Genève 2002;
 - “Dispositif pour la correction de la scoliose” - Genève 2002;
 - “Hydrocyclone uni-sens” - Brussels 2001.
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- **“Diploma of Appreciation”** for the invention “Method and system for obtaining customized surgical guides according to the patient's anatomy from the Ministry of Research and Innovation”, at the event “National Inventions Exchange”, Parliament Palace, Bucharest, 2017;
 - **“Diploma”** from Eurobusiness-Haller Pro Inventio Foundation, for invention: “Method and System for Obtaining Customized Surgical Guides Based on Patient Anatomy”, on the occasion of Barcelona INNOVA 2017 - Exhibition of Inventions, Research and New Technologies;
 - **“Diploma of Excellence”** for the rich scientific and academic activity, on the occasion of the 80th anniversary of the establishment of the Academy of Romanian Scientists, 2015;
 - **“Diploma of excellence” for the gold medal at the International Exhibition of Inventions, Genève Genève - 2014**, from the Academy of Romanian Scientists;
 - **“Diploma of excellence” for successful representation of Romania an The International Exhibition of Inventions Genève - 2010** given by the National Authority for Scientific Research – Ministry of Education, Research Youth and Sports, 8 June 2010;
 - **“Diploma of honor”** at the XXXII edition of T.I.B. 2-6 September 2006, for the prototype “Cylinder with differential piston for measuring of masses and weights”.

Other activities

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 (2012), at the proposal of the publishing house;
Co-author of two laboratory books.

Additional information

- Papers published in journals and in the proceedings of international conferences: **more than 270 from which more than 50 in ISI (Web of Science) journals, more than 140 proceedings of conferences (more than 30 in ISI proceedings) and the others in BDI journals, in proceedings of national conferences and in national journals;**

- **patents: 7 (6 in the database Derwent Innovations Index, one in Italy);**
- **requests for patents: 6.**

- Participation at international conferences: Italy 2; Greece 5; Austria 3; Slovakia 1; Croatia 2, Bulgaria 1; Slovenia 6; France 1; Belgium 4; Switzerland 14, Portugal 1 etc.;

- Citations in ISI journals: more than 300;

- Hirsch index (Web of Science): 11.

Date: April 2020

Professor Anton HADĀR

