

Curriculum vitae of

Ovidiu Florin CALTUN, Ph. D., Senior Member IEEE GIREP and EPS Member



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- ◆ **Personal data:** Born in Moinesti, Romania the 17th of July 1956.
- ◆ **Married**
Son Ioan Florin, born the 20 of August 1982 living in Switzerland.
- ◆ **Education**
 - B.Sc. in 1980 - Alexandru Ioan Cuza University, Iasi, Romania.
 - M.Sc. in 1981 - Alexandru Ioan Cuza University, Iasi, Romania.
 - Ph. D. in 1998 - Alexandru Ioan Cuza University, Iasi, Romania.
- ◆ **Present position: Full Professor, Ph. D supervisor**
- ◆ **Experience**
 - **Ph. D. in Science** (Physics - Magnetism) in 1998
Doctoral thesis subject - "Electrical and Magnetic Properties of Bi Doped MnZn Ferrites"
 - **Master of science** (Plasma physics) in 1981
Master thesis subject - "Function of particles distribution in double plasma machine"
- ◆ **1981-1983** Physicist **Quality Control Laboratory Terom Ltd. Iasi** (Material Science and Quality control of products)
- ◆ **1983-1991** Researcher and Senior Researcher at **Department of Sensor and Actuators of National Institute for R&D in Electrical Engineering ICPE-CA - Iasi Division** (design of movement, magnetic, seismic, humidity sensors, alarm systems, defence systems)
- ◆ **1991 - 2007** - Assistant, Lecturer, Associate Professor
- ◆ **2007 - at the present** Full Professor and Ph. D. Supervisor at Faculty of Physics, Alexandru Ioan Cuza University of Iasi
- ◆ **Language: French** (very good proficiency), **English** (good proficiency), Greek (beginner)
- * **Courses taught between 1996 -.....:**
Didactics of Science, Didactics of Physics, Physics of Magnetic Materials and Special Topics in Magnetism, Numerical Methods, Numerical Signal Processing, Numerical Image Processing, Electromagnetism, Physical Methods in Environmental Science, etc.
- ◆ **Services provided to students at the home institution**
Tutor of more than 100 students
More than 50 B.Sc. thesis supervised
More than 25 M. Sc. thesis supervised
11 Ph. D. thesis supervised

Vice Dean 2 years

Supervisor of M. Ed. programme in Didactics of Science for 10 years

◆ **Scientific contributions**

ISI papers – 101

ISI Citation: 1100

h-index: 21

Non ISI papers – 20

Papers in University Romanian Journals – 8

Papers in International Conference Proceedings– 20

Papers in Romanian journals – 62 (especially in Science Education)

Papers in Romanian conference proceedings – 6

Romanian Patents – 14 (especially in Materials Science, Sensors and Actuators)

Chapter in Book: P. Andrei, Al. Stancu, O. F. Caltun, "Modeling and Simulation of electrical circuits with hysteretic inductors by using a dynamic Preisach model" Preisach Memorial Book, Hysteresis Models in Mathematics, Physics and engineering, Edited by Amalia Ivanyi, Akademiai Kiado, Budapest 2005 pp. 187 – 197

◆ **Professional activities and honours**

Member of the National Commission of the Romanian Agency for Quality Assurance in Higher Education; Member of the National Commission of the Minister of Education for Academic Titles; Member of the Expert' group of Greek Minister of Education for Academic titles; Former member of the National Commission for Scientific Research (Physics and Engineering branch) ; Senior Member of IEEE Magnetics Society, Member of IEEE Education Society; Member of the European Physical Society, Member of GIREP Former Member of the National Committee of Romanian Physical Society (Chair of Physics Education Chapter); Member of the Centre for Applied Research in Physics and Advanced Technologies (CARPATH); Post graduate courses for students and teachers; Supervisor of the program Master of Education in Science; Supervisor of the double programme in Nanomaterials (Universite Marie et Pierre Curie and University of Uppsala); Supervisor of Ph. D., B. Sc. and M. Sc. Thesis

◆ **Evaluator of call for proposals and grants**

FP6 and FP 7 competitions; MNT-ERA.NET European Micro and Nano Technology (MNT) programmes; ERA.NET RUS S&T-call; Egyptian and German Cooperation project; Programme of Russian Science Foundation; Turkey and German Cooperation project; EVAL-INCO Measures to Attract Leading Scientists to Russian Educational Institutions; Funding initiative in the field of Higher Education and Social Change (EUROHESC); EACEA-P4-EXPERT for LLP Erasmus calls; National Competition launched by the Ministry of Science and Technological Development of the Republic of Serbia; National Competition launched by the Ministry of Education and Science of the Republic of Bulgaria; National Competition launched by the of Ministry of Science and Technology (India); National Competition launched by the Ministry of Education and Science of the Russian Federation; National Competition launched by the of Ministry of Education, Research youth and Sport, national Authority for Research (ANCS) (Romania);

◆ Member of Commissions for Ph. D. Thesis defence: Romania, France, India, Egypt, Iran

◆ **Peer review activities for international and national scientific journals**

ISI International: Journal of Alloys and Compounds, Materials Chemistry and Physics, Journal of the American Ceramic Society, Journal of Magnetism and Magnetic Materials, Journal of Applied Physics, Journal of Crystal Growth, Modern Physics Letters B, Materials Science and Engineering B, IEEE Transaction on Magnetics, Central European Journal of Physics, Journal of Zhejiang University-SCIENCE B (Biomedicine & Biotechnology) &-SCIENCE A (Applied Physics and Engineering), Journal of Physics and Chemistry of Solids, Canadian Journal of Physics, International Journal of Nanomedicine; Journal of Ultrafine Grained and Nanostructured Materials; European Physical Journal – Plus; Current Pharmaceutical Design; Plant Physiology and Biochemistry; Journal of Materials Science: Materials in Medicine; Plant Physiology and Biochemistry; Journal of Nanoparticle Research; Journal of Physical Chemistry; Journal of Materials Science; Ceramics International; Journal of Nanoparticle Research; Applied Surface Science; Current Applied Physics; Colloids and Surfaces B: Biointerfaces; Journal of Applied Biomedicine; Journal of Photochemistry and Photobiology A: Chemistry; Measurement; Materials Letters; Materials Research Bulletin; Journal of Physics and Chemistry of Solids; Physica B; Research Policy; Scripta Materialia; Solid State Sciences; Thin Solid Films; Physical Chemistry Chemical Physics;

NON ISI International: IEEE Magnetics Letters; Science Journal of Physics, International Journal of Nanoparticles, Processing and Application of Ceramics, , Acta Didactica Napocensia; International Online Journal of Educational Sciences; International Online Journal of Educational Sciences;

Professional activities and honours

• **Visits at**

Greifswald, Braunschweig, Leipzig, Saarbrücken, Hanover (Germany), Pavia, Roma, Palermo, Naples (Italy), Patras, Thessaloniki (Greece), Lille 1, Versailles, Rouen, Lyon (France), Warsaw, Lodz (Poland), Brussels, Gent, Antwerp (Belgium), Changhua (Taiwan), Bratislava (Slovakia), Tokyo (Japan), Joensuu, Rovaniemi, Helsinki (Finland), Geneva (Switzerland), Riga (Latvia), Vilnius (Lithuania), Dublin (Ireland), Zagreb (Croatia), Chisinau (Republic of Moldova), Chernovtsy (Ukraine), Belfast (Northern Ireland), Concepcion, Santiago, Valparaiso (Chile). Cacak, Novi Sad (Serbia), Tirana (Albania), Californian Polytechnic State University San Luis Obispo (USA).

President of NGO Association “Alliance of Educators for Science Technology, Engineering, Mathematics and Informatics” ESTEEM Romania

11 November 2018

