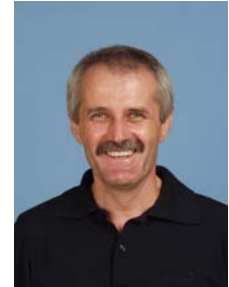


## Curriculum vitae of

### Ovidiu Florin CALTUN, Ph. D., Senior Member IEEE



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#### ◆ Personal data

- Born in Moinesti, Romania the 17<sup>th</sup> of July 1956.

#### ◆ Married

- Child: a boy Ioan Florin, born the 20 of August 1982.

#### ◆ 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, Responsible of the Double Diploma Programme NANOMAT**

#### ◆ 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 - at the present** Assistant, Associate Professor and Full Professor at Alexandru Ioan Cuza University of Iasi

- ◆ **Language: French** (very good proficiency), **English** (good proficiency), Greek (beginner)

#### ◆ Research interests

**Electrical and magnetic properties of nanosystems.** The last 10 years was dedicated to nanoparticles for technological application with the emphasis of medical

application in teranostic. Magnetostrictive materials for sensors in bulk and thin films deposited by pulsed laser ablation and in bulk are of constant interest. Modelization on magnetization process in bulk and nanosystem

Over 25 years dedicated to the researches in Science Communication and Education.

◆ **Professional activities and honours**

Senior Member of IEEE Magnetics Society, Member of IEEE Education Society  
DAAD Fellow

Member of the Expert group of Greek Minister of Education for Academic titles

Member of the European Physical Society, Member of GIREP

Member of the National Commission of the Romanian Agency for Quality Assurance in Higher Education

Member of the National Commission of the Minster of Education for Academic Titles

Former member of the National Commission for Scientific Research (Physics and Engineering branch)

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**

**International**

- FP6 and FP 7 competitions, Horizons 2020
- 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 Jury for Ph. D. Thesis defence: Romania, France, India, Egypt, Iran

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

**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, Saarbrucken, Hanover, (Germany), Pavia, Roma, Palermo, Naples, Udine (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), Novi Sad (Serbia), Geneva (Switzerland), Riga (Latvia), Vilnius (Lithuania). Dublin (Ireland), Zagreb, Riejka (Croatia), Chisinau, Balti (Republic of Moldova), Chernovtsy (Ukraine).

• **Courses taught between 1996-.....:**

Magnetic materials and Special Topics in Magnetism, Numerical Methods, Numerical Signal Processing, Numerical Image Processing, Electromagnetism, Didactics of Science, Didactics of Physics, etc.

◆ **Romanian Professional societies**

Member of the Society for Measurements

Member of the Romanian Society of Magnetic Materials  
Member of the Romanian Society of Inventors  
Member of the Romanian Physical Society

◆ **Scientific contribution**

**ISI papers - 97      ISI Citation: 626      h-index: 17**  
**Non ISI papers > 10**  
**Papers in University Romanian Journals - 8**  
**Papers in International Conference Proceedings- 20**  
**Papers in Romanian journals - 62 (especially in Education)**  
**Papers in Romanian conference proceedings - 6**  
**Romanian Patents - 14 (especially in Materials, Sensors and Alarm systems)**

◆ **Attracted Grants - over 5 Million Euro**

4 April 2016

