

# CURRICULUM VITAE



## 1. PERSONAL DATA

**Surname:** GEORGESCU  
**First name:** Vasile-Serban  
**Date/Place of Birth:** 15 January 1947 / Craiova, Dolj,  
**Nationality:** Romania Romanian  
**Gender:** Male  
**Languages:** English (good)  
French (medium), Russian (medium)  
Romanian (native language)  
**Office:** National Institute for Laser, Plasma and Radiation Physics  
until 1 January 2018 (INFLPR) Laboratory of Solid-State Quantum Electronics  
409 Atomistilor Str., P.O. Box MG-36, Bucharest R-077125,  
Mobile: 0731523306  
**Email:** serbangeorgescu1947@gmail.com  
**Web:** <http://www.inflpr.ro>, <http://ecs.inflpr.ro>

## 2. EDUCATION AND TRAINING

### **PhD in Physics**

**Dates / Institution:** June 1986 / Institute of Atomic Physics, Bucharest,  
**Title of the thesis:** Romania Spectroscopic Properties of the New Laser Active  
**Specialization:** Medium Er:YAG Optics, Spectroscopy and Lasers

### **Diploma in Physics**

**Dates / Institution:** Sept. 1965- June 1970 / Faculty of Physics, University of Bucharest, Romania

## 3. WORK EXPERIENCE

### **National Institute for Laser, Plasma and Radiation Physics**

Laboratory of Solid-State Quantum Electronics

409 Atomistilor Str., P.O. BOX MG-36, Bucharest R-077125, Romania

**Period / Position:** 1996 - 01/2018 Senior Scientific Researcher, 1st rank

### **University College Galway**

Galway, Ireland

**Period / Position:** 04/1993 - 08/1993 PECO fellowship

### **Institute of Physics and Technology of Radiation Devices**

Laser Active Media and Interaction of Radiation with Matter

Laboratory Bucharest, Magurele, Romania

**Period / Position:** 1993 - 1996 Senior Scientific Researcher, 1st rank  
1990 - 1993 Senior Scientific Researcher, 2nd rank  
1988 - 1990 Scientific Researcher, 3rd rank  
1977 - 1988 Scientific Researcher

### **Institute of Atomic Physics**

Bucharest, Magurele, Romania

Period / Position: 1974 - 1977 Scientific Researcher

### **Institute of Physics Bucharest**

Bucharest, Magurele, Romania

Period / Position: 1970 - 1974 Junior Scientist

## **4. PUBLICATIONS**

**Peer-review journals:** 126 (111 journals with ISI impact factor)

**Citations:** 1970

**H-index:** 23

## **5. RESEARCH INTERESTS**

### **Spectroscopy of rare-earth doped materials:**

- Upconversion UV luminescence excited in IR;
- Upconversion luminescence in nanocrystalline phosphors doped with rare-earth ions;
- Random lasers;
- Dynamics of upconversion lasers;
- Spectroscopic and structural investigations of partial disordered crystals doped with rare-earth ions.
- Energy transfer processes in 3-micron Erbium lasers;
- Energy transfer processes in Nd-doped laser active media.

**Applications of rare-earth doped nanophosphors in fluorescence bioassay and bioimaging.**

## **6. MISCELLANEOUS**

### **Ph. D. Advisor (Optics, Spectroscopy and Lasers).**

**Reviewer:** Optical Materials  
IEEE Journal of Quantum Electronics  
Journal of Alloys and Compounds  
Journal of Sol-Gel Science and Technologies  
Materials Science and Technology B  
Journal of Optoelectronics and Advanced  
Materials Applied Physics B  
Applied Spectroscopy  
Materials Chemistry and Physics  
Nanotechnology

**Awards:** - The 1982 Year “Constantin Miculescu” Award of the Romanian Academy for “Contributions to the Physics and Technology of Laser Active Media”.

**Memberships:** - Romanian Physical Society