

CURRICULUM VITAE



1. PERSONAL DATA

Surname: GEORGESCU
First name: Vasile-Serban
Date/Place of Birth: 15 January 1947 / Craiova, Dolj, Romania
Nationality: Romanian
Gender: Male

Languages: English (good)
French (medium), Russian (medium)
Romanian (native language)

Office: National Institute for Laser, Plasma and Radiation Physics (INFLPR)
Laboratory of Solid-State Quantum Electronics
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2. EDUCATION AND TRAINING

PhD in Physics

Dates / Institution: June 1986 / Institute of Atomic Physics, Bucharest, Romania
Title of the thesis: Spectroscopic Properties of the New Laser Active Medium Er:YAG
Specialization: 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 - current 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: 123 (103 journals with ISI impact factor)
Contributed talks: International conferences: 70 of which
44 were published (more than 3 pages) in conference proceedings;
Citations: 710 (self-citations excluded)
H-index: 15

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