

# CURRICULUM VITAE

## 1. PERSONAL DATA

**Surname:** LUPEI  
**First name:** Aurelia  
**Date/Place of Birth:** 02 January 1942 / Rustior, Bistrita, Romania  
**Nationality:** Romanian  
**Gender:** Female

**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: 1970 - 1975 / Institute of Atomic Physics, Bucharest, Romania  
Title of the Thesis: "Ligand effects in the hyperfine interactions of d-ions EPR spectra"  
Specialization: EPR, Optical spectroscopy

### Diploma in Theoretical Physics

Dates / Institution: 1959-1964/ Faculty of Physics, University Babes-Bolyai, Cluj Napoca, Romania

### Post PhD Scholarships

- Invited researcher CNRS France  
Period: Oct. 2000 - April 2001  
Research theme: "Research of Nd<sup>3+</sup> and Yb<sup>3+</sup> in oxiborates, as multifunctional systems"  
Institution: Univ. Pierre et. Marie Curie Paris, France
- Visiting scientist, DAAD grant, Germany  
Period: June - August 1994  
Research theme: "Spectroscopic investigation of Pr in garnets"  
Institution: Darmstadt University, Darmstadt, Germany
- Visiting scientist, IAEA Vienna grant, USA, Univ. of Wisconsin  
Period: June 1986 - September 1986  
Research theme: "Energy transfer of RE in crystals, laser spectroscopy training"  
Institution: Wisconsin University, Madison, SUA
- Visiting scientist grant of American Academy of Sciences  
Period: June 1971 - January 1972  
Research theme: "Covalence effects in EPR spectra"  
Institution: Argonne National Laboratory, Argonne, SUA

### **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

06/1991 - current Senior Scientific Researcher, 1st rank

05/1990 - 05/1991 Senior Scientific Researcher, 2nd rank

Institute of Atomic Physics (IFA), Bucharest, Romania

06/1976 - 05/1990 Senior Scientific Researcher, 3rd rank, IFA, Bucharest, Romania

04/1969 - 05/1976 Scientific Researchers, IFA, Bucharest, Romania

Polytechnic Institute Cluj Napoca

09/1964 - 01/1969 Assistant Professor

### **4. PUBLICATIONS**

**Peer-review journals:** 169 (ISI web of science since 1967)

138 (ISI web of science since 1990)

**Contributed papers:** International Conferences: over 176, of which

72 were published (more than 3 pages) in conference proceedings

### **5. MISCELLANEOUS**

**Reviewer:** - Phys. Rev. B, J. Luminescence, J. Appl. Phys., Optical Materials

**Awards:** - Award of the Romanian Academy in 1971

**Memberships:** - Romanian Physical Society

**H index (since 1993):** - 19

**Citations:** - over 1170