Curriculum Vitae

Institution: IFIN-HH

1. **Last Name: VISAN**
2. **First Name: CAMELIA MIHAELA**
3. **Date and Place of Birth: 22.01.1982**
4. **Citizenship: romanian**
5. **Marital Status: single**
6. **Education:**

Institution	**Period**	**Degrees or diplomas**
Faculty of Physics – Universitatea din Bucuresti	2000-2005	Engineer – physics informatics specialisation
Faculty of Physics – Universitatea din Bucuresti	2005-2007	Master in Physics Informatics and Econophysics
Faculty of Physics – Universitatea din Bucuresti	2008-2011	Phd in Physics

7. **Professional experience:**

Institution	**Period**	**Position**	**Description**
IFIN-HH	15.12.2005 – 30.06.2011	research assistant	DFCTI
Istituto Nazionale di Fisica Nucleare – INFN Roma	21.01.2007 – 20.04.2007	research assistant	Construction ECAL-CMS
IFIN-HH	01.07.2011 – 01.07.2014	technological development engineer	DFCTI
IFIN-HH	01.07.2014 - prezent	Scientific researcher 3	DFCTI

8. **Foreign Languages: English, Italian, French**
9. **Patents (if any, max. 5):**
10. **Publishing (if any, max. 5, the most relevant ones for the future activities of the project infrastructure):**

- *Electron transport properties of fulgide-based photocromic switches,* G. A. Nemnes, Camelia Visan, RSC Advances 5, 26438-26442, 2015
- *Ab initio vibrational and thermal properties of carbon allotropes: Polycyclic and rectangular networks*, Computational Materials Science 109, 14–19, 2015.
- *Spin transport in grapheme – boron nitride hybrid materials with transitional metal impurities,* C. Visan, Rom. Rep of Phys 66 (4), p. 983-992, 2014.

- *Thermoelectric properties of graphene-boron-nitride nanoribbons with transition metal impurities,* C. Visan, Journal of Electronic Materials 43 (9), p. 3470-3476, 2014
- *Ab initio investigation of spin-filter effects in GaN nanowires with transitional metal impurities,* G. A. Nem nes, C. Visan, Eur. Phys. J. Plus 128 (11), no 131, 2013

11. Member in Professional Associations: Romanian Society of Physics

12. Other Specializations and Qualifications:

- Programming: C, C++, Fortran, MPI, MS Visual Basic
- Operating systems: Linux SLC, Microsoft Windows
- CAD: AutoCAD 2014
- Grid deployment and monitoring (Nagios) at RO-07-NIPNE
- Grid training for students of University Politehnica of Bucharest
- Romania representant in FR-SQUAD in Atlas monitorring, CERN.

13. Experience (including managerial experience) in other national/international programmes/ projects:

Programme/Project	Position	Period
CEA-IFA Partnership, HaPPSDaG: *Efficient Handling and Processing of PetaByte-Scale Data for the Grid Centers within the FR Cloud*	Executant	2010-2012
PN 09370104	Executant	2014-2015

14. Research areas and topics approached in the developed project infrastructure:

- Ab initio calculation for nanoelectronics – electronic, spin and fononic transport.

Study of optics, magnetic and mechanic properties in metamaterials, analogs of grapheme (graphene allotropes, artificial grapheme, phononic crystals).

- Molecular dynamics and transport in small molecular systems (photochromic switches – fulgides, molecular transistors).

Characterization of light changes in nanoelectronics devices cu swiching befavior, based on isomeritation of retinal and bilirubin molecules, with applications in optical storage technologie.

- Design of sintetic motors kinesin type based on photocromic molecules.

I hereby state on my own responsibility that the data presented is accurate.