Curriculum vitae

Personal informations	
Surname /Name	**STREZA MIHAELA OANA**
Address	Donat 67-103, 400293 Cluj-Napoca, Romania
Contact	streza.mihaela@gmail.com
Nationality	Romanian
Birth date	May 23, 1973
Professional experience	2005-2019 Scientific Researcher at NIR&DIMT Cluj Napoca, **CS II**
Name and address of the employer	National Institute for R & D of Isotopic and Molecular Technologies , Donat Street No.67-103, 400293 Cluj-Napoca, Romania, Molecular and Biomolecular Physics Department
Education and training	Babes –Bolyai University Cluj Napoca, Faculty of Physics, Ph.D. in Physics **(2009)**
Stages abroad	1. Tor Vergata University, Faculty of Mechanical Engineering, ROME (Nov 2008); 2. Université du Littoral, Côte d'Opale, France (June 2009, July 2010, July 2014, Mars 2018) ; Université Paris-Saclay (June 2017) ; 3. ***Postdoctoral position*** - Ecole Supérieure de Physique et de Chimie Industrielles, Paris (2011/2012) ;
Personal skills and experience	-*Modeling of heat transfer within materials and multi-layered systems by* finite element simulation (COMSOL multiphysics). -*Photopyroelectric calorimetry (PPE) and photothermal radiometry (PTR):* Applications concerned high resolution measurements of dynamic thermal parameters of large interest samples (magnatic nanofluids, dental composites, thermoelements, semiconductors), photopyroelectric studies of thermal and electrical properties of the pyroelectric sensors used in the detection of radiation, phase transitions. -*Non-destructive evaluation by lock-in infrared thermography (LIT):* qualitative and quantitative assessment of surface and subsurface defects, thermal characterisation of composites
Personal skills	English, French : proficient user
Results of scientific activity	- **41 ISI-indexed** publications and 7 proceedings , 25 International Conferences - **1 international patent**, 2 national patents **Hindex=10** **Projects won in National Competitions:** 1. *Development of active thermal-wave methodologies for non-destructive evaluation and thermophotonic imaging of teeth* –PN-II-RU-TE-2014-4-1507 (amount 125000 Euro, period 2015-2017) 2. *Manufacturing improvement of the ecological ceramic bricks* PN-III-P2-2.1-BG-2016-0203 (amount 100000Euro, period 2016-2018) Referent to the following journals: *Infrared Physics and Technology, Journal of Physics D: Applied Physics, Measurement, Construction and Building Materials, MST*