

## CURRICULUM VITAE

### PERSONAL DATA:

**Name:** Marina I. Demidenko  
**Date of Birth** 27th October, 1967  
**Place of Birth** Minsk , Belarus, USSR  
**Nationality:** Belarus  
**Marital Status:** Married  
**Business address:** Belarusian State University, Research Institute for Nuclear Problems, 11 Bobruiskaya Str., app. 316 220030 Minsk, Belarus  
**Position:** Researcher of NanoElectroMagnetics Laboratory  
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### EDUCATION:

- M. Sc. in Physics, June 1989, Belarus State University, Physical Department, Minsk, Belarus. Subject of examination: general Physics, Nuclear Physics

### EXPERIENCE:

#### **Institute for Nuclear Problems, Belarus State University, Minsk, Belarus**

09/1991 – 06/2012 (Engineer-Physicist, Laboratory of Experimental High Energy Physics)  
06/2012 – 06/2016 (Lead Engineer, Laboratory of NanoElectroMagnetics )  
06/2016 – **Present** (Researcher, Laboratory of NanoElectroMagnetics Lab)

#### **Specialization (*specify*)**

- (i) **nuclear spectrometry**
- (ii) **current research interest**

Electromagnetic materials for microwave and THz: The experimental research of electromagnetic response of graphene, graphene/polymer sandwich structures, ultrathin carbonateous films, carbon nanotubes, nanocarbon based composites, carbon porous structures (foams, periodic cellular architectures, aero- and herogels) in wide frequency range (from radio frequency to THz).

#### **Honours, Awards, Fellowships, Membership of Professional Societies**

- **Belarus State University, gratitude, 2016**

### INTERNATIONAL RESEARCH GRANTS (on current research activity):

- **Institutional Development of Applied Nanoelectromagnetics: Belarus in ERA Widening**, EU FP7 BY-NanoERA project FP7-266529, Call ID FP7-INCO-2010-6, 2010-2013. Coordinator Prof. S. Maksimenko, partners: A. Hoffmann (Institut fuer Festkoerperphysik, TUB, Berlin, Germany); Central Laboratory of Physico-Chemical Mechanics, Bulgarian Academy of Sciences, Sofia (Bulgaria); Frascati National Laboratory, National Institute of Nuclear Physics, Frascati (Italy), Institute of Electronic Structure and Laser (IESL), Heraklion, Crete (Grece), Belarusian Institute of System Analysis and Information Support of Scientific and Technical Sphere (Belarus); Science & Technology Park “Metolit” at Belarusian National Technical University (Belarus)
- **GRAPHENE FLAGSHIP** EU FP7 project FP7- 604391, work package 4 High frequency electronics.
- **EU Project "GRAPHENE Core 1"** - n.696656 –FETFLAGSHIP workpackage 7

## **PUBLICATIONS**

1. Rumiana Kotsilkova, Evgeni Ivanov, Dmitry Bychanok, Alesya Paddubskaya, Marina Demidenko, Jan Macutkevic, Sergey Maksimenko, Polina Kuzhir, Effects of Sonochemical Modification of Carbon Nanotubes on Electrical and Electromagnetic Shielding Properties of Epoxy Composites, **Composites Science and Technology** Volume 106, 16 January 2015, Pages 85–92 DOI information: 10.1016/j.compscitech.2014.11.004 **IF 4.479**.
2. Polina Kuzhir, Alexandra Gurinovich, Nadezhda Volynets, Evgeny Gurnevich, Marina Demidenko, Sergey Maksimenko, Sergey Baturkin, Tommi Kaplas, Yuri Svirko, Ultra-thin graphitic carbon film for high power electronics applications, *Micro & Nano Letters*, pp. 1–3 doi: 10.1049/mnl.2016.0599, 2016 IF 0.869