|  |  |
| --- | --- |
|  | **Curriculum Vitae of Witold Łojkowski** Address:  Institute of High Pressure Physics,  Polish Academy of Sciences,  Sokolowska 29/37, 01-142 Warsaw,  Poland.  Tel.: +48 22 8880006,  Fax: +48 22 6324302,  [e-mail:](mailto:wl@unipress.waw.pl%20) wl@unipress.waw.pl |

Date & Place of Birth: 25. July 1952 in Warsaw, Poland   
Nationality: Polish   
**Study & Degrees**

1975 MsC in physics at the Warsaw University, Warsaw,

1980 PhD in Materials Science, Warsaw University of Technology

1991 Habilitation, “Structure of Interfaces between Crystals”, Kraków Academy of Mining and Metallurgy

2012 Full Professor

**Positions**

Head of Laboratory of Nanostructures, Institute of High Pressure Physics, Polish Academy of Sciences.

Prof. at the Bialystok Univeristy of Technology, Faculty of Management and Production Engineering. Teaching Nanotechnology and Materials Science

**Research and travels**

1981 - 1982 Alexander von Humboldt Scholarship, University of Saarbrucken, Germany. Research on the structure of interfaces between crystals under supervision of Prof. Herbert Gleiter

1986 – 2008: Research visits to Max-Planck Institute for Metal Research, Stuttgart, Osaka University, St. Jerome University in Marseilles, University of Ulm, Germany.

**Awards**

2007 Distinguished with the Award “Golden Medal for Merits” by the President of Poland for achievements in science and education

2006 Distinguished with the Award “Ambassador of Polish Congresses” by the Polish Tourism Association, for the achievements in organizing international congresses in Poland

**R&D Interests**

* Solvothermal synthesis of nanoparticles and their applications
* Development of microwave reactors for nanoparticle synthesis
* Bio-nano materials
* Optical nano-sensors for gases
* Mechanisms of plastic deformation of metals, role of nanostructure
* Structure of grain boundaries and interfaces
* Foresight and roadmapping in the field of nanotechnology
* Project management with application of the Theory of Constraints

**Partner or coordinator in running European projects:**

2009 – 2014 FP7 Nanofate. Nanoparticle Fate Assessment and Toxicity in the Environment

2009 – 2011 OXYNANOSEN: Oxygen sensor based on luminescence of nano zirconia. Coordinator. Eranet project

2010 – 2014 Bioimplant. Bioimplants for bone regrowth in oncologic patients

2011 -2014 SONOSCA: Sonochemical technology for bone regrowth. Coordinator. Eranet project

2012 - 2015 FP7 SHYMAN: Solvothermal synthesis of nanoparticles

**Major coordinated projects. Total value of coordinated projects was over 6 000 000 Euro**

2000 – 2003 High Pressure– Center of Excellence Project granted by the EC to the Institute of High Pressure Physics

2006 - 2008 Research Network WITNANO: Virtual Institute for Nanoparticles Technology

2004 - 2009 COST actions, Coordinator of Working Group “High Pressure Microwave Synthesis of Nanoparticles”.

2008 - 2011 DONANO – Doped Nanoparticles for Innovative Industry

2011 – 2013 Nanoforce: Nanotechnology for Chemical Enterprises

**Memberships and Functions**

2010 – 2014 Polish speaker in the European NMP – Nanotechnology, Materials and Production Technology Programme Committee in the 7th Framework Research Programme of the European Commission.

Polish Speaker in the COST domain committee “*Materials, Physics and Nanosciences*”. Selection of projects to be funded.

Polish speaker at the OECD Working Party on Nanotechnology. Participation in the projects “Business environment of nanotechnology” and “Nanomedicine”

Executive Committee of European Materials Research Society

Clinam – Clinical Nanomedicine Association

**Other activities**

Co-organiser of the European Materials Research Society Fall Meeting held in September in Warsaw every year, which gathers about 800 participants and about 10 symposia.

Co- organiser of over 10 national and international conferences   
**Publications and patents**

190 papers, cited over 2274 times, H- index 23 (according to google scholar)

Co author of 14 chapters in books and

Editor of 8 conference proceedings and books

10 patents