



Dr. Prof. A.P. Zhukov graduated in 1980 from the Physics-Chemistry Department of the Moscow Steel and Alloys Institute (presently *National University of Science and Technology*). In 1988 he received Ph.D. degree from the Institute of Solid State Physics (Chernogolovka) of the Russian Academy of Science, in 2010- Doctor of Science (habilitation) in Moscow State “Lomonosov” University. Present employment: Ikerbasque Research professor at the Department of the Materials Physics of the University of Basque Country, Spain.

Current fields of interest:

Amorphous and nanocrystalline ferromagnetic materials,
Magnetic micro-wires,
Giant magneto-impedance,
Giant magnetoresistance,
Magnetic magnetoelastic sensors.

He has published more than 550 referred papers in the international journals (total number of citations of A. Zhukov’s papers, updated December 02, 2020: 9057, Citation H-index = 51). Dr. A. Zhukov is the principle author of more than 80 plenary, keynote and invited talks at International conferences.

Dr. A. Zhukov, edited conference proceedings, chaired Donostia International Conference on Nanoscaled Magnetism (DICNMA), III Joint European Magnetic Symposia, Donostia International Workshop on Energy, Materials and Nanotechnology – DINEMN, 7-th International Workshop on Magnetic Wires (2015), 24th International Symposium on Metastable, Amorphous and Nanostructured Materials (ISMANAM 2017), few sessions at MMM and Intermag Conferences.

Dr. Zhukov is an associate Editor of IEEE Magnetic letters and International Journal on Smart Sensing and Intelligent Systems,
member of several editorial boards (Sensors, Crystals by MDPI among other) and various committees of International Conferences,
guest Editor of:- J. Alloys Compound.,
-J. Magn. Magn. Mater.,
-Phys. Stat. sol. (A) and (C).

A. Zhukov edited two books: “Novel Functional Magnetic Materials” and “High Performance Soft Magnetic Materials”, wrote two books: “Magnetic properties and applications of ferromagnetic microwires with amorphous and nanocrystalline structure” and “Magnetic sensors based on thin magnetically soft wires with tuneable magnetic properties and its applications”, few book chapters (among them in the Handbook of Magnetic Materials ed. by Prof. K. Buschow), articles for the “Enciclopedia of NanoScience and Nanotechnology” and “Enciclopedia of Sensors”.

In 2000 he funded Small Company- TAMAG.

Other scientific activities:

- Referee for several international journals (more than 30) and books;
- Referee for several EU projects and national European projects (France, Czech republic, Romania, Poland, Italy);
- Supervision and co-supervision of PhD students;

Arcady Zhukov’s contribution to the IARIA started in 2018. He is author and co-author of several articles presented at IARIA conferences and published in IARIA proceedings. He has been session chair and several tracks organizer at IARIA conferences. Two of his contributions have been awarded with Best Paper Awards.

He served as a technical program committee member for IARIA as well as many other international conferences. As IARIA Fellow, he seeks to support the efforts of the organization in finding solutions for recruiting and retaining students in Magnetic sensors. Therefore, he

intends to promote interdisciplinary research and outreach and to build international collaborative research teams in magnetic sensors