



prof. RNDr. Pavol Sovák, PhD.

P.J. Šafárik University in Košice, Institute of Physics,
Park Angelinum 9, 041 54 Košice, Slovakia

Phone.: +421 55 2342113

E-mail: pavol.sovak@upjs.sk

Current position(s):

University professor

deputy head of Joint Laboratory for TEM

rector of P.J.Šafárik University in Košice

Profile:

Academic degrees:

2009 – professor in Materials Science, Technical University in Košice

1996 – assoc. prof. in Physics, Comenius University in Bratislava

1991 – PhD, Physical Metallurgy and metastable states, Technical University in Košice

1978-1983 - Mgr., Solid State Physics, Faculty of Science, P.J. Šafárik University

Scientific Profile: He has been working in the field of Transmission Electron Microscopy and X-ray diffraction techniques. He is a member of Slovakian synchrotron community.

The main scientific topic of his scientific work is study of the structure and physical properties of amorphous and nanocrystalline metals, prepared by rapid quenching. He is giving lectures since 1992. Subjects are focused on Structural analysis of Metals, Solid State physics, Physics of materials, Technology of Solids. He published more than 90 papers registered in CC database and He registers more 300 SCI citations.

Experience:

Managing of the faculty: dean of the Faculty of Science, P.J. Šafárik University (2003-2011)

Quality assurance of the higher education: Vice rector for higher education and IT of P.J. Šafárik University (2011-2015)

Managing of the university: rector of UPJŠ (2015- up to now)

Managing of the construction of the international large scale facility: SVK delegate in European XFEL GmbH Council (2009- up to now)

Organisation of Scientific Meetings:

1993 - secretary of European Magnetic Materials and Applications Conference “EMMA’93” July 1993, Košice

1995 – co-chairman of Czech and Slovak Conference on Magnetism „CSMAG“, international conference with periodicity of 3 years.

2013- Winter school of Synchrotron radiation WSSR 2013, 2015, Liptovský Ján, member of programme committee.

2017 – predseda výboru School of XFEL and Synchrotron Radiation Users, “SFEL 2017” a “SFEL 2018”, Liptovský ján

Projects:

1. Research Centre of advanced materials and technologies for current and future applications "PROMATECH", ESF 26220220186, 2013-2015 – partner coordinator for UPJŠ, OPS&R
2. Centre of Excellence for advanced materials with nano a submicrostructure „nanoCEXmat“,

ESF 26220120019, 2009-2011 a ESF 26220120035, 2010-2013 – partner coordinator
UPJŠ, *OPS&R*

3. 7RP - Support of construction of European XFEL Facility in Hamburg „Pre XFEL”, 2010-2012, koordinator for UPJŠ
4. APVV-17-0008, Development of new metallic glasses for biomedical applications, 2018-2021, coordinator for UPJŠ.
5. VEGA 1/0036/16 Structure and Physical properties of amorphous and nanocrystalline alloys.

Five representative publications:

Researcher ID (in SCOPUS): **56284624300**

1. Bayri, N., Izgi, T., Gencer, H., Sovák, P., Gunes, M, Atalay, S., Crystallization kinetics of Fe_{73.5-x}Mn_xCu₁Nb₃Si_{13.5}B₉ (x=0,1,2,3,5,7) amorphous alloys, *Journal of Non-Crystalline Solids* - vol. 355 (2009), p. 12-16
2. Zeleňáková, A., Degmová, J., Kollár, P., Kováč, J., Kusý, M., Olekšáková, D., Sovák, P., Structural and magnetic properties of mechanically alloyed FeCo powders, *Journal of Magnetism and Magnetic Materials*, vol. 316, No. 2 (2007), s. e519-e522
3. Michalik, Š., Saksl, K., Sovák, P., Csach, K., Jiang, J., Crystallization of Zr₆₀Fe₂₀Cu₂₀ amorphous alloy, *Journal of Alloys and Compounds* - Vol. 478 (2009), p. 441-446
4. Gaudin, Jérôme et al: Investigating the interaction of x-ray free electron laser radiation with grating structure, *Optics Letters* - Vol. 37, no. 15 (2012), s. 3033-3035.
5. Michalik, Š., Gamcová, J., Pavlovič, M., Sovák, P., Liermann, H., Miglierini, M., Structural modifications of swift-ion-bombarded metallic glasses studied by high-energy X-ray synchrotron radiation, *Acta Materialia* - Vol. 80 (2014), s. 309-316

Fellowships / Awards / Memberships of Scientific Societies:

Award for young scientists, 1989, organized by Slovak Physical Society

Golden medal of Faculty of Science, P.J. Šafárik University (2013)

Member of Scientific boards at Slovak Faculties and Universities (VR): VR FF PU (2003-2007), VR HF TUKE (2011-2015), VR FPV UMB (2011-2015), VR FF UPJŠ (2011-2015), VR SAV (2015-), VR UK BA, chairman VR PF UPJŠ (2003-20011), chairman VR UPJŠ (2003-2015).

Chairman of National Committee for cooperation with XFEL in Hamburg 2006-20013.

Chairman of National Committee for coordination SVK activities in ESFRI projects, 2013 up to now.

Member of International Steering Committee of XFEL project (2006-2009)

Vice-chair of European XFEL GmbH Council (2010-2014)

Member of AFC XFEL, 2010 up to now

Member European XFEL GmbH Council since 2015

SVK delegate in European Strategy Forum for Research Infrastructures „ESFRI“, 2010-2015.