

Info about speaker:

Dr. Michal Cifra, since **2013** head of **Bioelectrodynamics** research team (Institute of Photonics and Electronics, Czech Academy of Sciences). **PhD 2009, Radioelectronics**, (Czech Technical University in Prague, Czechia), **Ing. (M.Sc.) 2006, Biomedical Engineering** (University of Žilina, Slovakia). Apart from **~1 year** biophotonics research experience from **Germany (RWTH, Aachen / IIB, Neuss)**, he also gained experience with high frequency bioelectronic interfaces (**8 months, University of Chicago, USA**).

His **long term vision** is to explore novel paths to future electrodynamic and electronic therapeutic and diagnostic methods in biotechnology and medicine. To fulfil the vision, he and his team develop computational methods and nanotechnology enabled experimental tools to analyze both active and passive electromagnetic properties of biomaterials from the level of molecules to tissues.

Personal websites:

<http://www.ufe.cz/en/team/bioelectrodynamics>

<https://www.linkedin.com/in/michal-cifra-5a5a5437>

https://www.researchgate.net/profile/Michal_Cifra

Laboratory website and link:

<http://bioed.ufe.cz/>

https://twitter.com/BioED_IPE

Link to talks:

Electromagnetic activity of cells from spectral perspective, 2016

<https://owncloud.cesnet.cz/index.php/s/Nqz15FgzMGNTlu0>

Light of living organisms – in Czech, 2016

<http://tydenvedy.msite.cesnet.cz/Mediasite/Play/49494118929548bc9f66aa0d6bbc630e1d?catalog=1e79760d-8359-4ee4-88a6-b4e264249e54>

Light of living organisms – in Slovak with English subtitles, 2012

<https://www.youtube.com/watch?v=gezEio1mdjs>