Name: Matúš Mihalik, RNDr., PhD.

Born: 1.9.1980

Address: Brusnicová 44, 04013, Košice, Slovak Republic

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Present position: scientist

Employer: Institute of Experimental Physics, Slovak Academy of Sciences

Department of Magnetism

Watsonova 44

04001 Košice

Slovak Republic

Education/professional training:

1999 - 2004 Faculty of Science, Pavel Jozef Šafárik University, Košice

2001 - study on Charles University, Prague; project ERASMUS

2004 Mgr. degree from Faculty of Sciences, UPJŠ Košice, Slovakia (Title of diploma work: Magnetism in REFe2Si2 compounds, RE = rare earth metal)

2004 - 2008 position of PhD. Student at Charles University, Prague, Czech Republic; title of PhD. thesis: “Instabilities of *f* electrons in compounds based on light rare earths and actinides”;

2006 – RNDr. degree (equivalent of Master degree) Charles University, Prague, Czech republic;

October 2006 to October 2007 – visiting at NIMS, Tsukuba, Japan (Japan Neutron Scattering Group)

2008 PhD. in condensed matter physics, Charles University, Prague, Czech republic

2008 - 2011 postdoc position in Helholtz Institute Berlin, Germany (inelasting neutron sccatering, instrument responsible for E1 tripple axis neutron spectrometer)

2012 – nowadays IEP SAS Košice

Research interests:

Magnetism of rare-earth – based compounds and oxides

Crystal growth of single crystals by Czochralski and floating zone method + basic crystallographic characterization of grown crystals (X-ray powder diffraction, Laue method, EDX)

Neutron diffraction (some experiments have been already performed in BENSC and PSI) and pressure cells (skilled to operate hydrostatic pressure cell).

Awards and Fellowships:

2012 – 2015 Schwartz fellowship

2014 Award of Slovak Academy of Sciences

2014 Award of Slovak Physica Sosciety for young scietists below 35 years

Publications and citations:

Scopus author ID: 8368147800

63/29 papers published in Journals recognized by Scopus (total/last 5 years)

168 citations according SCOPUS; from this 127 citations cleaned on self-citations; or 90 citations cleaned on self-citations of all co-authors

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