Oleg Rivin

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Education

2010 – 2014	Ph.D in Physics, Kreitmann school of Graduate Studies, Ben Gurion University of the Negev, Be'er Sheva (Israel) Title: "Thermal neutron scattering study of the structural and magnetic properties of $TbCo_2Ni_3$ and $TbCo_3B_2$". Under the supervision of Prof. H. Shaked, Dr. E. N. Caspi and Prof. I. Bar
2006 – 2009	M.Sc in Physics, Ben Gurion University of the Negev, Be'er Sheva (Israel) Title: "Tb^{3+} in $TbCo_3B_2$, a singlet ground state system, studied by inelastic neutron scattering". Under the supervision of Prof. H. Shaked, Dr. E. N. Caspi and Prof. S. Goren
2002 – 2006	B.Sc in Physics, Technion Israeli Institute of Technology (Israel) Special project title: "Hysteresis phenomena in non linear cyclotron resonance, observed in GaAs semiconductor". Under the supervision of Prof. B. Ashkenadze

Employment

2017 (Oct) – Present	Group leader, Physics Department, Nuclear Research Center Negev (Israel)
2016 – 2017 (Sep)	Postdoctoral instrument scientist, Helmholtz Zentrum Berlin (Germany)
2014 – Present	Research staff, Physics Department, Nuclear Research Center Negev (Israel)
2009 – 2014	Junior research staff, Physics Department, Nuclear Research Center Negev (Israel)
2005 – 2009	Advanced scientific training, Physics Department, Nuclear Research Center Negev (Israel)

Awards Scolarships and Honors

2017	Pazi personal development scholarship for advanced scientific training, Israeli Atomic Energy Commission
2015	The IAEC director excellence in research award

2013	Katzir scholarship, Israeli Ministry of Defense, Directorate of Defense R&D
2013	Head of the Physics Department (NRCN) excellence in research award
2011	World Nuclear University (WNU) fellowship, Oxford
2011	Head of the Physics Department (NRCN) excellence in research award

Academic Activities

2018	'Pazi' grant, co-PI in "Magnetic properties within the 3D and 2D MAX/MXene phases", Israeli Atomic Energy Commission (2018)

Peer reviews in:

- Materials Research Letters
- Inorganic Chemistry

Educational Activities

Research students

2018 – present: Daniel Potashnikov, M.Sc in Physics, The Faculty of Physics, Technion Israeli Institute of Technology

Expected (2021): Tal Zaharoni, P.hD in Materials Engeneering, Tel Aviv University

Collaborations (past and present)

Dr. K. Prokeš, Complex Magnetic Materials, Helmhotz Zentrum Berlin (Germany): magnetic ordering and magnetic unit cell investigation using TOF neutron diffraction under high magnetic fields

Dr. A. Hoser, Helmhotz Zentrum Berlin (Germany): monochromatic neutron diffraction, magnetic unit cell and crystallography of laminar structures

Prof. J. Rosen, Thin Films Physics Division, IFM Linkoping University (Sweden): magnetic ordering, magnetic unit cell and crystallography of laminar structures

Prof. M. W. Barsoum, Materials Science and Engineering, Drexel University (USA): magnetic ordering, magnetic unit cell and crystallography of laminar structures

Dr. J. Marlow, Division of Safeguards, Los-Alamos National Laboratory, DOE (USA): fuel burn up

Dr. P. Blaise, Experimental Reactor Physics, Cadarache, CEA (France): delayed neutron source and oscillations within in pile kinetic experiments

Dr. R. Osborn, Materials science division, Argonne National Laboratory, DOE (USA): magnetic excitations using neutron TOF

Prof. Israel Felner, Racah Institute of Physics, Hebrew University of Jerusalem (Israel): Magnetic properties and magnetization of intermetallic compounds.

Dr. A. Gukasov, Laboratoire Leon Brillion, Saclay, CEA (France): polarized neutron diffraction of canted magnetic structures