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Department of Electrical Engineering

IIT Jodhpur, Karwar, Rajasthan - 342030

Research Seminar

February 25, 2022 | 03:00 PM TO 04:00 PM (IST)

Topic: Chemistry of topological insulators

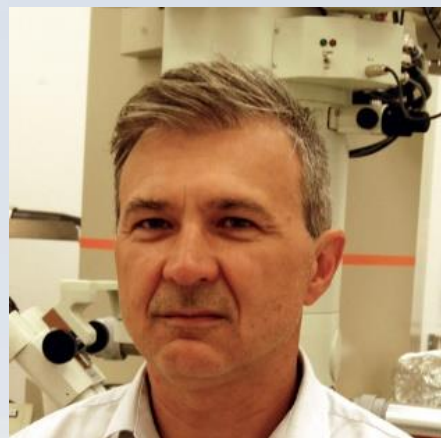
Prof. Matjaz Valant graduated from University of Ljubljana, Slovenia in 1996 with a PhD degree in Chemistry. He did his postgraduate research at University of Pennsylvania, USA, and continued the research at Jozef Stefan Institute in Slovenia. From there, he moved to UK, where he worked at London South Bank University and Imperial College London. In 2009 professor Valant established Material Research Laboratory at University of Nova Gorica. Today, the laboratory, with its more than 5 MEUR infrastructure and an annual budget of around 1 MEUR, employs 18 researchers of different seniority, expertise and nationalities. Within the laboratory he established a group for theoretical material science, surface science, materials chemistry and the Electron Microscopy Center. In his career he was a visiting professor at London South Bank University and Imperial College London while now is an adjunct professor at University of Electronic Science and Technology of China. His main research interest are materials and technologies for sustainable energy, (photo)catalysts, topological insulators, electrocaloric materials as well as other nanostructured functional materials. He has published over 180 scientific papers (H-index 42) and collected > 6000 citations. He is an author of 14 patents.

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