

第12回研究科セミナー(ナノマテリアル・デバイス研究領域)

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Science of van der Waals Materials in Czech Republic – Landscape for Collaboration and Academic Exchange

講演者: Charles University (CU)

Professor, Jana Vejpravova

J. Heyrovský Institute of Physical Chemistry

Vice-Director, Martin Kalbac

日時: 令和6年9月2日(月) 15:30~17:00

場所: マテリアルサイエンス講義棟 1階 小ホール

講演要旨:

In this talk, the current state of 2D materials research at two leading institutions in the Czech Republic will be discussed, with a focus on the strengths and unique capabilities of each. Key research topics in graphene, photonic and magnetic van der Waals materials, and their heterostructures and devices will be introduced, highlighting applications in nanoelectronics, optoelectronics, and energy conversion and storage. Opportunities for collaboration and academic exchange will be proposed, leveraging the experimental and theoretical capabilities available at these institutions, particularly through large open-access infrastructures like MGML and NanoEnviCZ.

講演者略歴:

Professor, Jana Vejpravova

2003年 Mgr. (equiv. MSc.) in Chemistry (with honours), Faculty of Science, CU

2005年 RNDr (equiv. MSc.) in Condensed Matter Physics, Faculty of Mathematics and Physics, CU

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2008年 Assistant Professor, DCMP, Faculty of Mathematics and Physics, CU

2011年 Head of Department, Institute of Physics, Czech Academy of Sciences (CAS)

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1998年 Mgr. (equiv. MSc.) in Chemistry, Faculty of Science, CU

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