

## CEITEC: a case study of a successful center of excellence in materials

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### **ABSTRACT**

CEITEC – the Central European Institute of Technology at Brno University of Technology (CEITEC BUT) – offers a compelling case study of a successful center of excellence in materials research. Formed in 2011 at the BUT campus, CEITEC BUT couples modern laboratories with open-access Core Facilities to support synthesis, processing, and multi-scale characterization of advanced materials and composites. Material research is organized under the Advanced Materials programme, with groups focused on Advanced Ceramic Materials, Cybernetics in Material Science, Advanced Polymers and Composites, and Advanced Metallic Materials and Metal-Based Composites.

This talk—“CEITEC: a case study of a successful center of excellence in materials”—will present an overview of CEITEC BUT’s materials-related groups, their capabilities, and representative results, highlighting how shared facilities and cross-group collaboration accelerate method development, reproducibility, and translation to application.

### **BIOGRAPHY**

Dr. Pavel Krecmer is Deputy Director of CEITEC BUT. He holds a PhD in Physical Chemistry from the University of Cambridge, where his postdoctoral work led to the Cambridge spin-out Polight Technologies Ltd. He later served at Rolls-Royce Fuel Cells as a group leader for advanced instrumentation, coordinating industry–academia collaborations across Europe and Asia. After returning to the Czech Republic, he led technology transfer at the University of Pardubice, coordinated CESAR JU and ESA programmes at Honeywell Advanced Technologies, and directed the NETME Centre at Brno University of Technology. A professional self-starter with broad experience in planning, securing funding, and managing research and business projects, he brings fourteen years of international academic and industrial experience, team leadership, and an entrepreneurial, adaptable mindset.



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