

**ZDENEK
CHLUP****CZECH REPUBLIC**

Ing. Zdeněk Chlup, Ph.D., born on 21st March 1973 in Olomouc, Czechoslovakia, is a scientist at the Institute of Physics of Materials of the Czech Academy of Sciences, Czech Republic.

He graduated in Material Science and Engineering in 1996 at the Faculty of Mechanical Engineering, the Brno University of Technology, and his post-gradual study on the theme “Micromechanical aspects of brittle fracture initiation” done jointly at the Institute of Physics of Materials of the Czech Academy of Sciences and the Department of Physical and Material Engineering at Faculty of Mechanical Engineering, the Brno University of Technology where was successfully defended in 2001.

He started his scientific carrier at the Institute of Physics of Materials of the Czech Academy of Sciences as a junior scientist at the Brittle Fracture Group. His main research field was related to the brittle behaviour of materials with a focus on ceramics and ceramic-based composite materials. Between 2002 and 2003 he experienced an 18-month-long postdoctoral fellowship at the Waterford Institute of Technology. Upon return from the internship, he developed strong cooperation in the development and characterisation of ceramic-based materials with several leading foreign institutions.

Since 2022 he become a leader of the Brittle Fracture Group at the Institute of Physics of Materials of the Czech Academy of Sciences. He is a co-author of over 110 journal papers and approximately 45 conference papers. His H-index is 21 and he has over 1500 citations. Besides his membership in the European Ceramic Society, Czech Silicate Society, and European Structural Integrity Society, he was also a member of the American Ceramic Society.

Zdeněk Chlup actively participated in ECersS conferences starting at the 10th ECerS in Berlin (2007), and he hosted several students within JECS Trust. Up to now, he published 33 papers in the Journal of the European Ceramic Society.