

RoLiCer Workshop

“Fracture in ceramic matrix composites”

October 15th, 2014 – lecture room 5th floor
 Institute of Physics of Materials, Academy of Sciences of the Czech Republic

Main aim of the RoLiCer Workshop:

- exploiting the views of experienced scientists inside and outside the consortium;
- to bring new ideas into running PhD projects
- to stimulate public and individual discussions about actual problems of running projects
- and/or to adjust formulation of future plans

Course of the RoLiCer Workshop

The participants (counting more than 33) of the workshop met together in lecture room at 8:30 for the morning coffee and registration. Professor Dlouhy (IPM Brno) gave the welcome and opening speech together with brief introduction of RoLiCer activities.



Opening ceremony and introduction to RoLiCer (Dlouhy)

The morning session started with introduction to Micromechanics of brittle matrix composites given by professor Kotoul (Brno University of Technology) followed by detailed description of Role of bi-material interfaces given by doctor Sevecek (Brno University of Technology) and the last morning presentation was targeted to Experimental methods of mechanical properties evaluation given by professor Dlouhy (IPM).



Lecture of professor Kotoul (left) and doctor Sevecek (right)



Lecture of professor Dlouhy (left) and doctor Chlup (right)

The afternoon session started after cold lunch where mainly case studies demonstrating application of theoretical knowledge were presented. The first one was concentrated to the development of long fibre composites given by doctor Chlup (IPM) and the second describing mechanical behaviour of ceramic multilayer components by doctor Bermejo (MU Leoben). The last presentation of the afternoon session was dedicated to RoLiCer activities in the field of multi-scale modelling promoted by doctor Kozak (IPM). The final short presentation was given by doctor Baca (AAC Wr. Neustadt) providing insight to the industrial basic and applied research in the field of advanced materials opening possible fields for cooperation. Professor Dlouhy (IPM) summarised outcomes of the fruitful day during the closing ceremony and pinpointed unexpected number of attendees.



Lecture of doctor Bermejo (left) and doctor Kozak (right)

PhD students and scientist present at the workshop discussed with the lectures intensively also during brakes and free time. Overall atmosfere was friendly and highly professional.



Lecture of doctor Baca (left) and discussion after presentation (right)