

Workshop on Finite Fracture Mechanics

31.05.2017 ISFK, Leoben, Austria

In the framework of the Comet-project: *“Reliability of highly integrated ceramic/polymer based functional systems for electronic applications”*

Location: ISFK, Besprechungszimmer 5. Stock, Peter-Tunner Strasse 5, 8700 Leoben

Agenda:

08:45h Meeting at the “Besprechungsraum” ISFK (5th Floor), Peter-Tunner Strasse 5, Leoben

09:00h Welcome and short presentation of invited speakers and agenda (R. Bermejo)

09:10h "Fracture in brittle materials and components" (R. Danzer, R. Bermejo)

09:30h "Understanding crack initiation in brittle materials: FFM" (D. Leguillon)

10:00h "A FF model for the analysis of multi-cracking in woven ceramic matrix composites" (E. Martin)

10:30h Coffee Break

10:45h "Prediction of multi-cracking in sub-micron films using the coupled criterion" (D. Leguillon)

11:15h "Description of crack initiation and propagation in layered ceramics using FFM" (O. Sevecek)

11:45h "Crack propagation in multilayer architectures using the configurational forces approach" (O. Kolednik)

12:15h End of workshop

All presentations should last no longer than 20 minutes, and allow for 10 minutes discussion.