

TC1/TC3 Mini Symposium on „Defects and Fatigue“ within the European Conference on Fracture (ECF) 22 in Belgrade

Dear colleagues,

We are glad to announce joint TC1/TC3 mini-symposium in the scope of the European Conference on Fracture (ECF) 22 in Belgrade (26-31 August 2018), on „Defects and Fatigue“.

Material defects such as non-metallic inclusions, pores or micro-shrinkages, etc. and geometric defects such as pronounced surface roughness and secondary notches (e.g., undercuts in welds) which originate in manufacturing, and defects such as surface damage due to scratches, dents, impact events or contact fatigue as well as corrosion pits which arise in service severely affect the lifetime of cyclically loaded components by shortening the crack initiation and – more important – the short crack propagation stage. In addition, they might also influence the number of cracks in multiple crack initiation and long crack growth up to failure.

All these aspects provide the framework of the envisaged Mini Symposium. Presentations are still welcome. Please, inform the ECF organizer in case that you want to give your contribution as part of the symposium.

We are looking forward to meeting you in Belgrade

Uwe Zerbst, BAM Berlin,
Stefano Beretta, Politecnico Milano,
Andrea Carpinteri, University of Parma.