

Characterization of the Mechanical Aspects of Corrosion and Environmental Degradation			
	Organiser	Institution	Contact
D2-IV	Afroz Barnoush	Department of Engineering Design and Materials Norwegian University of Science and Technology 7491 Trondheim	afrooz.barnoush@ntnu.no
	Wolfgang Dietzel		wolfgang.dietzel@hzg.de
	Summary		
<p>It is highly important to study the interaction of harsh and corrosive environments with the advanced materials designed to provide superior load bearing capacities.</p> <p>This symposium aims at bringing together scientists studying and modeling the mechanical aspects of corrosion and environmentally assisted cracking of advanced materials as well as hydrogen embrittlement. This includes especially modern TWIP and TRIP steels, high strength low alloyed steels, ultra-fine grained and nano-crystalline materials, thin functional films, modern magnesium, aluminum and titanium alloys, composites, etc:</p> <p>Topics of interest include, but are not limited to:</p> <ul style="list-style-type: none"> Stress corrosion cracking Hydrogen embrittlement Hydrogen induced cracking Corrosion fatigue Tribo-corrosion Erosion corrosion 			