

Advanced characterisation to mitigate component/material failure

Workshop

Venue: ESTEC/ESA
Keplerlaan 1, 2201 AZ Noordwijk, Netherlands



20 February

15:00	Registration
15:30	Tour of ESTEC/ESA Test Center and Laboratory
17:15	IMKTT Meeting followed by dinner at own cost (only for group members)

21 February

9:00	Welcome to ESTEC/ESA	Paavo Heiskanen (ESTEC/ESA)
9:05	Welcome to the Workshop	Antonio Bonucci (European XFEL)
9:15	Advanced characterisation to mitigate space component/material failure at ESTEC /ESA	Alessandra Costantino, Malgorzata Holynska, Yuriy Butenko (ESTEC/ESA)
10:10	Cryogenic and vacuum components and related issues	Matteo Accardo (ESO)
10:30	Coffee break	
11:00	Mitigating component/material failure - F4E general methodology – the TBM specific case	Javier Serrano (F4E)
11:20	Materials engineering at CERN: a comprehensive expertise from selection to failure prevention and analysis	Stefano Sgobba (CERN)
12:00	Lunch	
13:00	ESRF: the forth generation synchrotron X-rays serving the challenges of New Space	Ennio Tito Capria (ESRF)
13:20	Unveiling Materials Failure Mechanisms through Advanced Neutron Characterization	Sandra Cabeza (ILL)
13:40	MHz Imaging at European XFEL	Patrik Vagovic (DESY)
14:00	Explanation of the organization Workshop session	
14:10	Coffee break	
14:30	Workshop & brainstorming	
15:30	Discussion	
16:30	Wrap-up	
17:00	Workshop closing	