

Nicolas Moës, Ecole Centrale de Nantes

Talk title	Combining bulk and interfacial degradation mechanisms with the Thick Level Set approach to fracture
Biography	Nicolas Moës is full professor at the Ecole Centrale de Nantes, France, since 2001. He received his engineering degree from the University of Liège and his PhD from the Ecole Normale Supérieure de Cachan, supervised by Pierre Ladevèze. He is one of the co-inventor of the eXtended Finite Element Method (X-FEM). This work was initiated during his post-doctoral stay at Northwestern University under the guidance of Ted Belytschko (following another post-doc at UT Austin, Texas in the team of Tinsley Oden). He received the Jean Mandel prize of the french mechanics association in 2003 and the young investigator award from the IACM in 2006 (International Association for Computational Mechanics). Elected Junior member of the IUF (Institut Universitaire de France) 2006-2011, he was declared IACM fellow in 2008. In 2014, he received the silver medal from CNRS. In the past five years, he was the principal investigator on an ERC advanced grant dealing with computational mechanics.