



H2020  
Marie Skłodowska-Curie actions  
European Training Networks

***Advanced experimental and numerical methods  
for heterogeneous, composites and divided materials under  
fatigue and dynamic loadings***

**A FULLCOMP WORKSHOP**

**3-4 May 2018**

**ENSAM – Bordeaux**

**Chairman: Dr. Frederic Dau**



3 May 2018



9:00, Welcome

9:30, Topological optimization: challenges for dynamic applications, Dr. Marco Montemurro, I2M, ENSAM

10:00, Low dimensional models for geometrically nonlinear static and dynamic analysis of composite structures based on a perturbation approach, Dr. Eelco Jansen, Leibniz Universität Hannover

10:30, Use of reduction technique model for delamination in composite, Dr. Etienne Prulière, I2M, ENSAM

11:00, Manufacturing process effects on dynamic performances of composite materials and structures, Dr. Patrick de Luca, ESI Group

11:30, Fatigue damage mechanisms of short fibers reinforced polymers, Dr. Nicolas Saintier, I2M, ENSAM

12:00, Lunch

13:30, A multi-scale approach for divide materials under dynamic loading, Dr. Jérémie Girardot, I2M, ENSAM

14:00, An invariant based hyperelastic modelling of yarn structures for dynamic application, Pietro Del Sorbo, I2M, ENSAM

14:30, Fractional derivative behavior models for composite materials: state of the art and prospects, Dr. Alina Krasnobrizha, LEME, University of Paris X

15:00, A multi-scale identification strategy for composite materials, Lorenzo Capelli, I2M, ENSAM

15:30, Generalized path following, modal nudging and experimental testing for nonlinear structures, Dr. Alberto Pirrera, Bristol Composite Institute

16:00, Free time to visit the city

19:30, Dinner

4 May 2018

8:30, Dynamic fracture in polymers and composites, Dr. Jean Benoît Kopp, I2M, ENSAM

9:00, Fatigue life and residual strength prediction of laminated composites using a ply scale damage model, Dr. Jean Christophe Wahl, I2M, University of Bordeaux

9:30, Applications of a physically based fatigue damage model for composite and hybrid structures, Dr. Aamir Dean, Leibniz Universität Hannover

10:00, Coffee break

10:30, ENSAM visit and tour of the facilities

12:00, Lunch