



2nd UFA – Workshop : Systèmes intelligents en calcul de structure multi-physique / Analyse intelligenter Systeme unter Berücksichtigung von Mehrfeldkopplungen

Ville d'Avray, 7-8 october 2013.

LEME, Université Paris Ouest Nanterre La Défense

IFKM, Technische Universität Dresden

ISD, Universität Stuttgart

Monday, October 7 (Room E310)

15:00 Welcome

15:30 Introduction

16:00 Christian Wenzel (LEME): "*Assessing the Difference of the Free Edge Effect in Bending and Tension*"

16:30 Abdolhamid Attaran (IFKM): "*Investigation of the chemo-electro-mechanical behavior of polyelectrolytes gels*"

Dinner at restaurant 19h30

Tuesday, October 8 (Room E310)

9:30 Rafael Jarzabek (ISD): "*A Model For Fracture and Life Time Simulation*"

10:00 Quan N'Guyen (LEME): "*Finite element modeling of the coupling between thermal dissipation and fish-eye crack growth in very high cycle fatigue regime*"

10:30 Coffee break

11:00 Mario Kleo (IFKM): "*Modeling of dielectric elastomer actuators*"

11:30 Christian Messe (ISD): "*Thermomechanical simulation of scramjet structures*"

Lunch

14:00 Eric Kuhn (LEME): "*Determination of delamination shape in polymer matrix laminates by thermosonics*"

14:30 Oliver Eberhardt (IFKM): "*Calculation of the behavior of carbon nanotube assemblies using molecular mechanics*"

15:00 Coffee break

16:00 Round table