

Training Course. Day 1

Jan. 21

Training Course. Day 2

Jan. 22

Training Course. Day 3

Jan. 23

Training Course. Day 4

Jan. 24

Training Course. Day 5

Jan. 25

**21.01.2019, room Laplace 104ter, Polytech Orléans**

09:00-09:30 Welcome and presentation of University of Orléans and Polytech Orléans,  
 09:30-11:00 Fundamentals of mechanical material behaviour, *Prof. A Gasser, Orléans*  
 11:00-11:15 **Break**  
 11:15-12:45 Fundamentals of mechanical material behaviour, *Prof. A Gasser, Orléans*  
 12:45-14:00 **Lunch**  
 14:00-15:30 Introduction to elastoplasticity, *Prof. P. Lourenço, Minho*  
 15:30-15:45 **Break**  
 15:45-17:15 Computational plasticity, *Prof. P. Lourenço, Minho*  
 17:15-18:15: **ESR poster session**

**22.01.2019, room Laplace 104ter, Polytech Orléans**

09:00-10:30 Computational plasticity, *Prof. P. Lourenço, Minho*  
 10:30-10:45 **Break**  
 10:45-12:15 Computational plasticity, *Prof. P. Lourenço, Minho*  
 12:15-13:30 **Lunch**  
 13:30-15:00 Models for masonry, *Prof. P. Lourenço, Minho*  
 15:00-15:15 **Break**  
 15:15-17:15 Glas oven (information for the Duralux visit)  
 17:15-18:15 **ESR poster session**



**23.01.2019, room Laplace 104ter, Polytech Orléans**

09:00-10:30 Masonry modelling, *Prof. A. Gasser, Orléans*  
 10:30-10:45 **Break**  
 10:45-12:15 Masonry modelling, *Prof. A. Gasser, Orléans*  
 12:15-13:30 **Lunch**  
 13:30-15:00 Thermal and thermal-mechanical FEM in the steel industry, *Sido Sinnema, Tata Steel*  
 15:00-15:15 **Break**  
 15:15-16:45 Thermal and thermal-mechanical FEM in the steel industry, *Sido Sinnema, Tata Steel*  
 17:30-19:30: **Visit of Orléans**  
 19:30-22:00: **Dinner**  
**Evening: Dinner at Hôtel Dupanloup, rue Dupanloup, 45000 Orléans**

**24.01.2019, room Laplace 104ter, Polytech Orléans**

09:00-10:30 Application of FEA in industry, *Dr. U. Marshall, RHI Magnesita*  
 10:30-10:45 **Break**  
 10:45-12:15 Application of FEA in industry, *Dr. U. Marshall, RHI Magnesita*  
 12:15-13:30 **Lunch**  
 14:00-16:00 **Visit of Duralux (First group)**  
**Or**  
 13:30-15:30 Exercise on Abaqus, (Second group), *Dr. T. Sayet, L.B. Teixeira, Prof. A. Gasser, Orléans*  
 15:30-16:00 **Break**  
 16:00-18:00 Exercise on Abaqus, *Dr. T. Sayet, L.B. Teixeira, Prof. A. Gasser, Orléans*

**Visit of a Glass Making plant**

In 2 groups (Day 4 & 5)

[www.duralux.com](http://www.duralux.com)



**25.01.2019, room Laplace 104ter, Polytech Orléans**

09:00-10:30 **ESR poster session**  
 10:30-10:45 **Break**  
 10:45-12:15 Thermo-mechanical properties and modelling of fused-cast refractories, *to be confirmed soon*  
 12:15-13:30 **Lunch**  
 14:00-16:00 **Visit of Duralux (Second group)**  
**Or**  
 13:30-15:30 Exercise on Abaqus, (First group), *Dr. T. Sayet, L.B. Teixeira, Prof. A. Gasser, Orléans*  
 15:30-16:00 **Break**  
 16:00-18:00 Exercise on Abaqus, *Dr. T. Sayet, L.B. Teixeira, Prof. A. Gasser, Orléans*

**Jan 23 & 24**

**Transfer for DURALEX visit will be managed by bus**