DIGIMU®

New Functionalities of DIGIMU® 5.0

This course is for you if you're already familiar with DIGIMU® and want to learn more about its new features.

You will learn about heterogeneous hardening, nuclei size distribution, heterogeneous grain boundaries and continuous dynamic recrystallization, precipitate evolution, and solute drag.

We will then demonstrate how these aspects significantly improve materials and processes currently used. These notions also open doors to simulating new materials and processes.

LEVEL

Beginner

PREREQUISITES

A good knowledge of microstructure and recrystallization is required.

GOALS

- **Mastering the graphical user interface**
- **Mastering the basis of DIGIMU®**
- **Discovering all features developped in DIGIMU® V5.0**
- **Modeling grain growth with or without second phase particles**
- **Predicting microstructural changes occurring during thermomechanical processes and heat**

treatments of metal alloys

- **Modeling dynamic and post-dynamic recrystallization**
- **Analyzing simulation result**
- **Using new comprehensive graphical outputs**

TRAINING	DURATION	PRICE EXCL. TAX	PARTICIPANTS
In-company	1 day	€1400 per training	1 to 3 people

DAY 1 > 8.30 a.m. to 12.00 p.m. & 1.30 p.m. to 5.00 p.m.

Introduction	· General presentation · Course goals
Reminder of DIGIMU® V4.0 features	· Grain growth, with or without particles. · Dynamic recrystalization - Post dynamic recrystalization
Evolution of precipitates population	· New features in polycrystal generation tool · Explanation of the models
Heterogeneous grain boundary energies	· Explanation of the models · Exercises
Continuous recrystalization	· Model · Exercise · New graphical analysis tools
Conclusion	· Questions and course assessment