

## **Session Program**

**11-12 Oct 2018**



## **Workshop on Nb<sub>3</sub>Sn technology for accelerator magnets**

### ***J<sub>c</sub> dependence to stress / strain state***

Paris, France, Espace St Martin, Espace St Martin

# Friday 12 October

08:30

## Jc dependence to stress / strain state

**Session** | **Location:** Espace St Martin, Salle KARNAK, ground floor | **Conveners:** Helene Felice, Bernardo Bordini

### 08:30–08:40 Jc dependence to stress / strain state - Session Introduction

#### Speaker

Chairs: Bernardo Bordini and Hélène Felice

#### Location

Espace St Martin, Salle KARNAK, ground floor

### 08:40–09:20

## EXTERNAL POINT OF VIEW: Strain effects and performance limitations in Nb3Sn Cable-in-Conduit Conductors

#### Speaker

Luigi Muzzi

#### Location

Espace St Martin, Salle KARNAK, ground floor

### 09:20–09:50

## The history of Transverse Pressure Tests of Nb3Sn Rutherford Cables

#### Speaker

Arno Godeke

#### Location

Espace St Martin, Salle KARNAK, ground floor

### 09:50–10:20

## Electromechanical characterization of Nb3Sn conductors at University of Geneva

#### Speaker

Jose Ferradas Troitino

#### Location

Espace St Martin, Salle KARNAK, ground floor

### 10:20–10:50

## Pause - café

### 11:20–11:50

## Irreversible Ic degradation of Hi-Lumi Nb3Sn Rutherford cables induced by transverse loading at room temperature

#### Speaker

Jerome Fleiter

#### Location

Espace St Martin, Salle KARNAK, ground floor

### 11:50–12:20

## Critical Current Measurements of Nb3Sn Rutherford Cables Under Transverse Stress

#### Speaker

Gianluca De Marzi

**Location**

Espace St Martin, Salle KARNAK, ground floor

12:20–12:50

**Transverse pressure sensitivity of state-of-the-art Nb<sub>3</sub>Sn Rutherford cables****Speaker**

Dr Marc Dhallé

**Location**

Espace St Martin, Salle KARNAK, ground floor

12:50–14:30

**Pause - déjeuner**

14:30–15:00

**Stress concentration and effects in Nb<sub>3</sub>Sn accelerator magnets****Speaker**

emanuela barzi

**Location**

Espace St Martin, Salle KARNAK, ground floor

15:00–15:30

**Short Sample Limits for CCT Coils****Speaker**

Ian PONG

**Location**

Espace St Martin, Salle KARNAK, ground floor

15:30–16:00

**Pause - café**

16:00–16:30

**A 3D Finite Element Model of the Reversible Critical Current Reduction due to transverse load in Nb<sub>3</sub>Sn wires****Speaker**

Alessandro Cattabiani

**Location**

Espace St Martin, Salle KARNAK, ground floor

16:30–17:00

**Computation of the Reversible Critical Current Degradation in Nb<sub>3</sub>Sn Rutherford Cables****Speaker**

Giorgio Vallone

**Location**

Espace St Martin, Salle KARNAK, ground floor

17:00