

Advanced Technical Ceramics

**From research to standardization in Europe:
Thursday 11th March 2021**

AFNOR
11, rue Francis de Pressensé
93571 La Plaine Saint-Denis France

EUROPEAN RESEARCH and STANDARDIZATION Representatives

- ❖ Pr Konstantina LAMBRINO: Coordinator of the H2020 project IL TROVATORE
- ❖ Dr Bruno HAY: Coordinator of the H2020 project HI-TRACE
- ❖ Dr Miguel A. Lagos, PhD Project C3HARME.
- ❖ Dr Andreas RENDTEL: Chairman of the CEN/TC 184 committee devoted to the standardization of advanced ceramics
- ❖ Mr Michel CATALDI: Chairman of the CEN/TC 184/SC1 subcommittee devoted to the standardization of ceramic matrix composites
- ❖ Dr Jacques LAMON: Convenor of the Working Group WG4 of the ISO/TC 206 committee devoted to the standardization of ceramic matrix composites

The European Technical Committee for the Standardization of Advanced Technical Ceramics (CEN/TC 184) Invites you to a day of technical exchanges

By supporting H2020 projects, Europe puts forward innovation and its penetration in the field of advanced technical ceramics.

Standardization is a recognized way to ensure penetration of these innovations and to provide technical and economic benefits.

As industrial actor or researcher organization **this day is organized for you**

Day content

- The scientific community will report on objectives and progress in their H2020 program activities and the potential impact on standards for advanced technical ceramics.
- The standardisation bodies will highlight the essential elements for improving existing standards and drafting new standards based on results of these programs.





Advanced Technical Ceramics From research to standardization

Technical Day free of participation charge with registration.

European and International Standardization

CEN/TC 184 committee devoted to the standardization of advanced ceramics

Working Group WG4 of the ISO/TC 206 committee devoted to the standardization of ceramic matrix composites

Standardization in the field of Monolithic ceramics – Ceramic matrix composite and their ingredients (Ceramic Powders):

- Methods of test
- Methods of analysis (including Chemical dosage)
- Thermophysic and mechanical

Presented European H2020 research projects

- **IL TROVATORE:** The Fukushima Daiichi event in 2011 has demonstrated the need for **improved nuclear energy safety**, which can be ensured by the development of **accident-tolerant fuels (ATFs)**. The **main objective** of the IL TROVATORE project is to identify and optimize some of the most promising ATF cladding material concepts for Gen-II/III light water reactors (LWRs) and validating them in an industrially-relevant environment, under neutron irradiation in PWR-like water.
- **HI-TRACE:** Many industries such as space, aeronautic, nuclear and glass operate installations at temperatures above 1500 °C using new materials able to work at higher temperatures to optimise processes and increase competitiveness. The objective is to provide traceable thermophysical properties data (ex: temperature of fusion) up to 3000 °C including development of reference facilities, new measurement techniques, calibration methods, uncertainty budgets.
- **C3HARME:** Design, development, manufacturing and testing of a new class of Ceramic Matrix Composites based on **ultra-high temperature ceramic matrices reinforced** with SiC or C fibers suitable for application in severe aerospace environments.

Participation free of charge with registration required

Contact and registration

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For further information: www.ratp.fr/en



-  RER B 'La Plaine Stade de France' (3' walk)
-  RER D 'Stade de France – Saint-Denis' (10' walk)
ticket t* not valid, buy point-to-point ticket
-  Line 13: 'Saint-Denis Porte de Paris' (15' walk)
-  Lines 139 / 153 / 173 / 239
(1' walk)
-  10 rue des Bretons
93210 LA PLAINE SAINT-DENIS FRANCE
(A parking place shall be requested at least 48 hours in advance from your AFNOR contact)
-  AFNOR ⇄ Roissy-CDG: min. 30 €
AFNOR ⇄ Orly: min. 50 €
(Taxis can be ordered from the reception desk)
-  The nearest airport is **Roissy-CDG** (20 km)
www.parisaeroport.fr/en/homepage

 AFNOR premises comply with the accessibility guidelines.
 Hearing amplifiers are available at the front desk.