



6th International Workshop On Suspension and Solution Thermal Spraying



Région Centre

Informations : www.int-workshop-s2ts.org

6th International Workshop on Suspension and Solution Thermal Spraying

Nanomaterial: one help to reach goals in industrial applications.

Changing the scale of material microstructure leads to modify and to improve their functional properties. That is why nanomaterial get into more and more useful and daily-used products. One way commonly used in industry to product manufactured pieces with improved functional properties is thermal spraying. Medical prosthesis, tribological coating, thermal barrier coating, corrosion and oxidation resistance coatings... are some fields of interest in which thermal sprayed layer are widely used and by consequence in which nanomaterial can bring an opportunity of development. This workshop has the ambition to be a link between Industry and Academic Research by trying to answer to these questions :

Which necessary developments are required to get a reliable process?

Which opportunity can nanomaterial offer to my company?

Topic

- 1 - Preparation and properties of precursors (suspension, sol, liquid mixture)
- 2 - Liquid injection and fragmentation mechanisms
- 3 - Fluid transfer and interactions
- 4 - Layer architecture and micro-structure
- 5 - Characterization and properties of coatings
- 6 - Industrial applications.

After the successful meetings in 2007, 2008, 2009, 2010, 2011 the **6th Workshop on Suspension and Solution Thermal Spraying** will be held in TOURS, FRANCE. The whole area of suspension, liquid or sol thermal spraying will be covered from fundamentals to applications. Original contributions in these fields are expected.

The objectives of this meeting are to promote, in a friendly social climate, scientific and technical exchanges between academic researchers and industrial applications developers working in suspension or solution precursor thermal spraying or close related fields.

The meeting ambition wants to focus on industrial applications for instance thermal barriers, photo catalysis, Solid Oxide Fuel Cells, Tribology and Wear, biomedical. Contributions from industry are expected (needs, troubles, successes...)

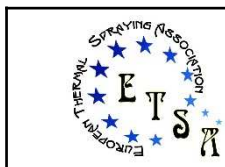
Contribution and organization

The official language is English. The workshop will be organized in invited (30 mn) and contributed oral presentations (20 mn), and poster sessions (ISO A0 size).

A one-page ISO A4 abstract is required for all the proposed papers before **2014, July, 14th**. An abstract issue and presentation CD will be edited.

Acceptation will be sent at the **middle of AUGUST**.

Invited conferences program is in progress...



The Int. W. S2TS 2014 has received the support of the **European Thermal Spray Association**.



The organization of this meeting is financially supported by the **Region CENTRE Council**

International Scientific Committee

- M. M. L. BERGER (Fraunhofer Dresde, GERMANY),
- M. L. BIANCHI (CEA Le RIPAULT, FRANCE)
- M. A. DENOIRJEAN (Univ. of LIMOGES, FRANCE),
- M. R. GADOW (Univ. of STUTTART, GERMANY)
- M. F. GITZHOFER (Univ. de Sherbrooke, CANADA),
- M. L. LUSVARGHI (Univ. of MODENA and REGGIO EMILIA, ITALY)
- M. A. KILLINGER (Univ. of STUTTART, GERMANY)
- M. S. KURODA (National Institute for Materials Science, JAPAN)
- M. C. MOREAU (CONCORDIA Univ. CANADA)
- M. E. MEILLOT (CEA Le RIPAULT, FRANCE)
- M. G. MONTAVON (Univ. Technologique de BELFORT MONTBELIARD, FRANCE),
- M. S. SAMPATH (STONY BROOK University, USA)
- Mrs L. F. TOMA (Fraunhofer Dresde, GERMANY),
- Mrs A. VARDELLE (Univ. of LIMOGES, FRANCE)
- M. R. VASSEN (FZ. JUELICH, GERMANY)
- M. P. VUORISTO (Univ. TAMPERE, Finland)

Place of the conference.

DESCARTES College, 1bis rue de la Préfecture in TOURS downtown, 10 mn walking from the railway station.

Scientific and organization contact

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Logistic organization contact

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Registration: Please, register on line at

www.int-workshop-s2ts.org.

The fees include the lunches and dinners, gala dinner, coffee break, abstract issue and presentation USB key.

Before September, 15th

	One day	Three days
Students:	100 €	160 €
Academics:	180 €	320 €
Industrialists:	210 €	390 €

After September, 15th

	One day	Three days
Students:	115 €	185 €
Academics:	200 €	370 €
Industrialists:	240 €	450 €

Deadline: **NEW**

2014 July 14th : extended abstract submission deadline

2014 August 18th : acceptance notification.

Recommendation for submission

Abstract, in the form of ISO A4 one-page, single space, single column, should be submitted as PDF file directly to:

erick.meillot@cea.fr

Presentation: Authors will be kindly invited to give a PDF file of their presentation (exhaustive of partial) for USB key publishing during the conference.

Accommodation and travel.

Attendees can join the meeting place directly by train, arriving to TOURS downtown railway station. See the timetable of main trains from PARIS and BORDEAUX available on

www.int-workshop-s2ts.org

Accommodation will be in downtown hotels (less than 10 mn walking from the conference place): the hotel list is also available in the website. You have to book directly your room to the hotel.

Journal of Thermal Spray Technology.

A special Issue of J.T.S.T. will be published after papers referring. Deadline for full paper submission is **November 30th**. See website for more details.