

# In The News

## Conference and Workshop Information

### First Scientific Workshop on Thermal Spraying of Suspensions

June 14-15, 2007, Tours, France

First Scientific Workshop on Thermal Spraying of Suspensions is organized by The Material Department of the Commissariat à l'Énergie Atomique LE RIPAULT, France.

Nanomaterials have high application potential into the 21st century. However, their integration into the thermal and plasma spray fields has been relatively slow, due to a lack of understanding of the phenomena when nanomaterials in suspension are introduced into the gas flow. Examples of these problems are: preparation of the precursors, injection, atomization, transfers, and interactions (thermal, chemical, kinetic, etc.).

The goal of this workshop is to promote scientific and technological discussion among different researchers working in field of thermal spraying of suspension as well as in other related fields.

**Contact:** [www.solgel.fr/jspts](http://www.solgel.fr/jspts), or Erick Meillot, CEA Le Ripault, B.P. 16, Laboratoire de projection thermique, 37260 MONTS; tel: 02 47 34 46 83; fax: 02 47 34 51 80; e-mail: [erick.meillot@cea.fr](mailto:erick.meillot@cea.fr).

### Third International Meeting on Thermal Spraying (3RIPT)

December 6-7, 2007, Lille, France

The Third International Meeting on Thermal Spraying 3RIPT (3ièmes Rencontres Internationales sur la Projection Thermique) will be held on December 6-7, 2007 in Lille (France) in The Confer-

ence Center of The University of Lille (MACC).

Original contributions from the field of thermal spraying are accepted. We invite submissions related to analysis of thermal spray processes, coating characterization (microstructural, optical, mechanical, physical, chemical, etc.), and on new spray methods (cold spray, suspension spray, etc.) as well as laser coating deposition. Papers related to methods of pre- and postspray treatments (laser, etc.), coatings applications, and coatings functional properties are also kindly invited.

An exhibition of industrial spray installation, feedstock, and coating characterization devices is also being planned.

The following invited lectures will be given:

**G. Barbezat**, Manager Process Development in Sulzer Metco (Switzerland): "Thermal Spray Applications in Powertrain Contribute to the Saving of Energy and Material Resources"

**W. Czarzynski**, Prof., Wroclaw Univ. of Technology (Poland): "Field Electron Emission Experiments with Suspension Plasma Sprayed Layers"

**P. Fauchais**, Prof. Univ. of Limoges (France): "Which Parameters Control Suspension or Solution Plasma Sprayed Coating Properties?"

**R. Gadow**, Prof., Univ. of Stuttgart (Germany): "New Results in HVSFS (High Velocity Suspension Flame Spraying)"

**F. Gotzhofer**, Prof., Univ. of Sherbrooke (Canada): "Induction Plasma Technology Applied to the Combinatorial Synthesis of Coatings Using Suspensions and Solutions Precursors"

**J. Kwakita**, Dr., NRI, Ibaraki (Japan): "Warm Spraying: An Improved Spray Process to Deposit Novel Coating"

**T. Mäntylä**, Prof., Tampere Univ. of Technology (Finland): "Liquid Flame Spraying of Nano Materials and Coatings"

**E. Meillot**, Dr., CEA Le Ripault (France): "Plasma Spraying Modeling: From Plasma Generation by Different Routes to Plasma/Particle Interactions"

**I. Smurov**, Prof., ENISE, Saint-Etienne (France): "Laser Cladding and Laser Assisted Direct Manufacturing"

**D. Stöver**, Prof., Forschungszentrum, Jülich (Germany): "Advanced Thermal Spray Technologies for Applications in Energy Systems"

**M. Tului**, Dr., Senior at CSM, Roma (Italy): "Ultra High Temperature Ceramics Deposited by Thermal Spraying"

**T. Valente**, Prof., Univ. of Rome (Italy): "Thermal Spraying of Nanostructured Coatings for Wear Resistance"

**A. Vardelle**, Prof., Univ. of Limage (France): "3-D and Time-Dependent Modeling of the Plasma Spray Process with Liquid Feedstock Injection"

**P. Vuoristo**, Prof., Tampere Univ. of Technology (Finland): "Determination of Process Conditions in Laser Assisted Spraying"

**Contact:** <http://www.ensc-lille.fr/actu/projection/projection.html>, or Prof. Lech Pawlowski—ENSCL; tel: (+33) 320.33.61.65; e-mail: [Lech.Pawlowski@ensc-lille.fr](mailto:Lech.Pawlowski@ensc-lille.fr).

## Recent Conferences

### Second Tsukuba International Coatings Symposium

November 11-12, 2006, Tsukuba Science City, Japan

The Second Tsukuba International Coatings Symposium was held on November 11-12 at the National Institute for Materials Science (NIMS) in Tsukuba Science City, Japan. It was co-organized by the Composites and Coatings Center of NIMS and by the National Institute of Advanced Industrial Science and Technology (AIST). The symposium consisted of four sessions on hard wear-resistant coatings, thermal barrier coatings, novel coatings and processes, and fundamentals of coatings formation (Fig. 1, 2). Speakers were mainly from

NIMS and AIST but excellent researchers were also invited from the industry, universities and also from overseas: Dr. D. Cook (Flame Spray Industries, United States) and Profs. A. and M. Vardelle (University of Limoges, France). The number of industry and academic participants for this two-day event exceeded

130, reflecting the wide spectrum of interests for coating technologies. On the second day after the symposium, there was a tour of the NIMS facilities such as the EB-PVD, thermal spray, and testing facilities.

**From:** Seiji Kuroda, Composites and Coatings Center/NIMS



Fig. 1 View of the symposium room

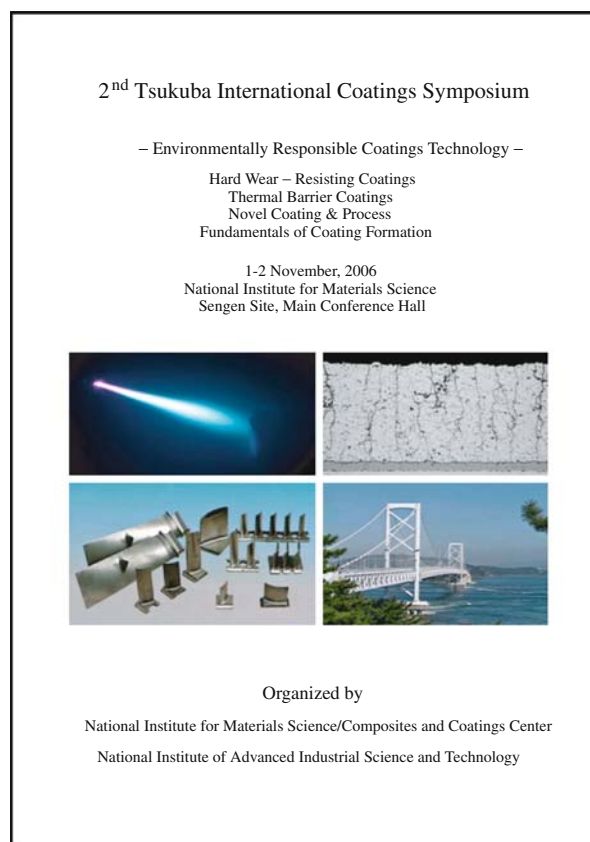


Fig. 2 Front page of the symposium proceedings