ITSC 2014
Not Fiction: Thermal Spray the Key Technology in Modern Life!
May 21-23, 2014 • Barcelona, Spain

The International Thermal Spray Conference and Exhibition (ITSC) features a three-day exposition, conference, poster session, education courses, young professional competition, social events, and much more. At ITSC, attendees will find information about thermal spray equipment, research and specialist institutes, applied research, and the latest innovations conveniently located in one big forum. The exposition will be held in the Palau de Congressos de Catalunya in northwest Barcelona.

The three-day exposition is an integral part of ITSC 2014. Exhibitors are experts who offer visitors a wealth of problem-solving information and cost-saving opportunities. Dates and times of the exposition include:

• May 21, 12:30 p.m. – 5:00 p.m.
• May 22, 9:00 a.m. – 5:00 p.m.
• May 23, 9:00 a.m. – 5:00 p.m.

ITSC is a golden opportunity for the global thermal spray community to meet, network, exchange key information and ideas, and conduct business. The conference officially opens with an awards ceremony and plenary lectures on Wednesday, May 21. The ITSC awards banquet occurs Thursday, May 22. The conference program offers more than 200 presentations from distinguished speakers covering several topics ranging from fundamental science to industrial applications.

Plenary sessions:

• “Plasma sprayed solutions: From the coating of the top to their integrated functionality on aeroengine components,” by K. Ostolaza, ITP Technical Fellow Material and Processes.
• “The history of thermal spraying: From Max Ulrich Schoop to the present time,” by S. Hartmann, obz innovation gmbh.

Education courses:

Thermal Spray Technology, Processing, and Evaluation
May 18-20, 8:00 a.m. – 5:00 p.m.
Instructors: Christopher C. Berndt, FASM, TS-HoF and Douglas G. Puerta

Thermal spray technology and coatings solve critical problems in demanding environments. They provide solutions to problems involving repair, wear, high temperature and aqueous corrosion, and thermal protection. Thermal spray can also be used to manufacture net-shapes, advanced sensors, and materials for the biomedical and energy/environmental sectors. These and other emerging applications take advantage of the rapid and cost-effective capabilities of thermal spray technology in the OEM and repair industries.

Thermal Spray for Gas and Oil Industries
May 20, 8:00 a.m. – 5:00 p.m.
Instructor: André G. McDonald

Given the special needs of the oil and gas sector for wear and corrosion resistant coatings with high longevity, the certification process and validation of the coatings produced by those examining them needs to be different. Therefore, this course includes training and testing information that applies specifically to the oil and gas sector.

Introduction to Advanced Diagnostic Techniques Applied to Thermal/Cold Spray Processes
May 20, 8:00 a.m. – 5:00 p.m.
Instructors: Luc Pouliot and Christian Moreau

This course provides a historical perspective of diagnostic techniques development as well as a detailed description of basic principles of operation for sensors and an extensive series of examples of the practical use of sensors in research and production environments.