

Editorial Team Expanded

I would like to announce a milestone in the life of the *Journal of Thermal Spray Technology* (JTST): the formation of a larger, editorial team so that the work and editorial responsibility for the journal can be shared. These changes will bring more diversity in the editorial process, resulting in a widening of the JTST field and improvements in our regional coverage. It is our intent that this enhanced editorial team will enable JTST to become an even more competitive and lively journal than it is now.

Over the past 12 years the *Journal of Thermal Spray Technology* has emerged as the main communication medium for the thermal spray community. It is valued as an archival scientific journal as well as a unique informational medium, summarizing the past, current, and future developments and events in the field. The growth of the thermal spray industry has been marked by a corresponding growth of JTST. As the journal continues to grow and prosper, it has become clear that the Editorial Team must also grow so that the many editorial responsibilities can be shared.

It is therefore a pleasure to introduce our readers to the new Editorial Team of JTST who will assist editor-in-chief Prof. Christopher C. Berndt. The associate editors for JTST are Dr. Jan Ilavsky, Dr. Christian Moreau, and Prof. Lech Pawlowski.

Prof. Lech Pawlowski is professor at Ecole Nationale Supérieure de Chimie de Lille, Villeneuve d'Ascq, France. He obtained his Ph.D. degree in chemistry from Wroclaw University of Technology in Poland in 1978, and also holds a D.Sc. degree in physics from the University of Limoges (France).

Prof. Pawlowski has held managerial and consultant positions in the thermal spray industry and has worked in research and teaching. Prior to his current position, he was a senior research fellow in the Department of Materials Engineering, Monash University in Melbourne, Australia.

Prof. Pawlowski's field of interest is mainly plasma spraying (atmosphere and in vacuum), laser treatment of pre-deposited coatings and laser ablation, and studies of coating properties. He has also authored thermal spray books; his first, *Science and Engineering of Thermal Spray Coatings*, was published in 1995 by Wiley, Chichester, UK, and the second, *Dépôts Physiques*, was published by PPUR, Lausanne, Switzerland, in 2003. He authored or co-authored about 70 papers, mainly on thermal spray technology. His work is widely cited in the literature. During his industrial career he worked on two important industrial applications thermal spray technologies—anilox and corona rolls.

Prof. Pawlowski is a member of ASM and TSS, and has served as a member of the Editorial Board of *Surface and Coatings Technology*.

Dr. Christian Moreau is Group Leader – Surface Technologies at the Industrial Materials Institute of the National Research Council of Canada (NRC). He obtained his M.Sc. degree in nuclear physics in 1981 and his Ph.D. in applied physics in 1985 from Université Laval, Québec, Canada. Prior to joining the Industrial Materials Institute, he worked in the field of computer science for two years at CAE Electronics Ltd.



Dr. Christian Moreau

At NRC since 1987, he has been conducting research and development activities on coating processes and applications. His main interests are in the fields of structure/property relationships, diagnostics of sprayed particles, and process control. He has authored more than 80 papers and holds seven patents on optical sensing techniques for thermal spray processes. He has received eight "best paper" awards from various conferences and journals.

After leading the Optical Inspection Group for five years at NRC, Dr. Moreau became leader of the Surface Technologies Group in 2001. This group is actively involved in the development and optimization of thermally sprayed and electroplated coatings used in numerous industrial applications.

Examples of his major contributions to thermal spray science and technology are the development of an optical diagnosis system for monitoring particles in thermal spray processes (DPV-2000), diagnostics of plasma sprayed particles upon impact on a substrate, development of an industrial optical system for monitoring sprayed particles (Accuraspray), and studies of effect of plasma fluctuations on in-flight particle parameters. He has helped organize conferences and symposia, served as session chair, and given invited presentations numerous times.

Dr. Moreau is member of ASM and TSS, and vice chair of the editorial committee of the *Journal of Thermal Spray Technology*. He was editor of the Proceedings of the International Thermal Spray Conference 2003—*Thermal Spray 2003: Advancing the Science and Applying the Technology*. He is also active in academia as adjunct professor of the University of Toronto and University of Sherbrooke.

Dr. Jan Ilavsky is currently a visiting assistant professor at Purdue University, West Lafayette, Ind., and guest researcher at the National Institute of Standards and Technology, Gaithersburg, Md., stationed at the Advanced Photon Source, Argonne National Laboratory. He obtained his M.Sc. degree in physics from Charles University, Prague, Czech Republic, in 1987, and his Ph.D. from the Thermal Spray Laboratory, SUNY, Stony Brook, N.Y., in 1994. Prior to his current position, Dr. Ilavsky was a scientist at the Institute of Plasma Physics, Czech Academy of Sciences, Prague, Czech Republic. In his current position, he performs materials science research and microstructure characterization of complex materials using X-rays and neutrons.

Dr. Jan Ilavsky is a member of ASM and TSS, the American Crystallographic Association, and the Neutron Scattering Society of America. He is also a member of the International Board of Review, *Journal of Thermal Spray Technology*. He has about 60 publications in peer-reviewed journals and conferences, mostly in the field of thermal spray materials science. He holds two "best paper"



Prof. Lech Pawlowski

awards from thermal spray conferences. For the last 3 years he has been responsible for preparing for each issue of the JTST, a review of patents pertinent to the thermal spray field. He has served as session chair at various conferences, and as a reviewer for various journals (*Journal of Materials Research*, *Materials Science and Engineering*, *Thin Solid Films*, and others) and conferences. His major achievement related to the thermal spray field is the introduction and establishment as a viable tool of the small angle neutron and x-ray scattering in the thermal spray field.

His main scientific interest is application of the latest x-ray and neutron techniques for studies of the complex anisotropic materials, such as thermally deposited deposits. Further, he is interested in other complex materials, such as ceramic layers (thermally deposited, EBPVD), nano-materials (carbon nanotubes, nano precipitates, formation of soot in flame), fillers in polymers, and polymer structure in general.

During the past 12 years – 48 issues and uncounted pages – a number of you JTST readers have also participated in various ways in making the journal what it is now. Many of you have participated as members of the editorial board, reviewers, and guest editors, or have prepared various columns, literature and patent reviews, or reports from laboratories and conferences. And of course, you have submitted a number of high-quality manuscripts for publication. This has been major reason why JTST has grown into the quality journal it is now. Only through the participation of the community can journals like ours grow and fulfill their responsibilities. We all hope to be able to rely on collaboration with you, our readers, to continue to improve the *Journal of Thermal Spray Technology* for your satisfaction.



Dr. Jan Ilavsky

Jan Ilavsky
Associate Editor

Cold Spray 2004 Workshop to be Held Sept. 27-28 at the Hilton Hotel in Akron (Fairlawn), Ohio

MATERIALS PARK, OHIO (January 2004) - The ASM Thermal Spray Society will host a two-day workshop on Cold Spray Technology (Cold Spray 2004), Sept. 27-28 at the Hilton Hotel in Akron (Fairlawn), Ohio. This intensive two-day meeting follows the successful Cold Spray 2002 meeting held in Albuquerque, and will feature presentations from more than a dozen of the world's foremost cold spray experts who will share their knowledge and experiences with this emerging spray coating technology.

Attendees will gain a basic understanding of the cold spray process, follow various R&D programs on cold spray technology, receive first-hand information on industrial applications of cold spray including the first mass-production application, and be able to network with global experts. A sponsored industrial visit will take attendees to ASB Industries, Inc., where live demonstrations of various cold spray systems will be given, including the patented ASB Mk-4 system (USA) and the CGT Kinetic 3000 system (Germany).

The meeting will feature a keynote address by Prof. Heinrich Kreye of the Federal Armed Forces University, Hamburg, Germany, and invited presentations by experts from around the world, including Australia, Germany, Korea, Russia and the USA.

Speakers will include Rick Blose (KTech, Inc. Albuquerque), Dr. Andrew Debicci (Pratt & Whitney, East Hartford), Dr. Tim Eden (Penn State Univ, State College), Dieter Grasme (OBZ Dresel & Grasme GmbH, Germany), Dr. Dennis Helfritch (Army Research Lab., Aberdeen), Dr. Mahanaz Jahedi (CSIRO, Australia), Dr. Dietrich Joenke (EADS, Germany), Werner Kroemmer (Linde Gas Company, Germany), Prof. Chaghee Lee (Hanyang Univ., Korea), Prof. Roman Maev (Dynamet, Inc., Canada), Dr. Robert McCune (Ford Motor Company, Dearborn), Prof. Bill O'Neill (Cambridge Univ., UK), Dr. Anatoli Papyrin (Cold spray patent holder, Albuquerque), Dr. Sai Raj (NASA-Glenn Research Center, Cleveland), Tobias Schmidt (Federal Armed Forces Univ., Germany), Dr. Mark Smith (Sandia National Labs, Albuquerque) and Dr. Thomas Van Steenkiste (Delphi Research Lab., Shelby Township).

Presentations will cover topics ranging from basic science and modeling, spray systems and accessories, preparation and characterization of coatings, industrial applications, etc. Targeted applications will feature specific industries such as aircraft, space, gas turbine, defense, automotive and others.

A panel discussion featuring academic, research and industrial experts answering your questions. Participants will include Jeff Haynes (Pratt and Whitney, West Palm Beach), Peter Heinrich (Linde Gas Company, Germany), Prof. Heinrich Kreye (Federal Armed Forces Univ., Germany), Dr. Anatoli Papyrin (Cold spray patent holder, Albuquerque), Dr. Jegan Karthikeyan (ASB Industries, Barberton) and Dr. Mark Smith (Sandia National Labs., Albuquerque).

For more information, contact: ASM Customer Service, 800-336-5152, ext. 6 or 440-338-5151, ext. 6
Visit the web at www.asminternational.org/events for more details.



Workshop Sponsored by the ASM Thermal Spray Society
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