

Editorial

When the Chair of the Editorial Committee writes an editorial, it is usually to announce some changes. And those of you who have had a look at the masthead of this issue will have noticed a change. After 13 years at the helm of this Journal as founding editor and Editor-in-Chief, Chris Berndt has transferred his responsibilities to Christian Moreau. I have in front of me the issue Vol. 1 No. 1 of JTST, and I find all the major features that distinguish this Journal from others are still present in Vol. 13. In his editorial for the first issue, Chris Berndt wrote about his vision for the Journal: it should address an audience that must be "classified as a composite of science, engineering, practical technology, and hands-on experience." Chris Berndt's vision and persistent efforts made this Journal unique with its diverse audience, and his close collaboration with the publisher, ASM International, allowed him to implement his vision and make the Journal a success. While it is relatively easy to recognize the vision, one must have a closer relation with Chris to realize the amount of work that he spent on keeping the standards that he set for himself and for the Journal. He paid attention to every detail, including reviewing the peer reviews of the manuscripts, making sure they were appropriate.

How his work has been appreciated by the ASM staff is best expressed in a quote from Mary Anne Fleming, the longtime ASM Publications Manager: "I was blessed to 'inherit' Chris as the editor of JTST when I took



Joachim Heberlein

on responsibility for ASM's journals program in late 1993. It has been my privilege to work with an editor who exhibits such wholehearted depth of dedication and endless enthusiasm. Chris has labored unceasingly for the success of the Journal, from maintaining an overall vision for the journal to attending to the smallest editorial detail. On behalf of the ASM staff who have worked with Chris on JTST, I thank Chris for steering the Journal with insight and professionalism for 13 years, and for ensuring its future success by identifying a qualified and enthusiastic successor."

As Chair of the Editorial Committee, I can only endorse these words and say that it has been a pleasure to work with Chris. He would take and provide advice, and over the years of collaborating closely we became good friends. Chris will be concentrating on new options in his life, and I think he can proudly look back on his accomplishments with the Journal. He will continue to serve the Journal as Editor Emeritus.



Christopher C. Berndt



Christian Moreau

Over the past couple years, the continuity of the Editorship has been on Chris's and my minds, and we were very happy when Christian Moreau from the NRC Canada agreed to become Editor-in-Chief. Christian has not only contributed to the Journal's success since early on through remarkable technical contributions, he has been editor of conference proceedings, demonstrating his editorial skills, and since last year, he served as manuscript editor for the Journal. We can be confident that Christian will provide a similarly skillful stewardship for the Journal as Chris has done in the past.

I believe you all will join me in thanking Chris Berndt for his 13 years of service as the "soul" of the Journal, for his vision and his hard work in preparing 50 issues. I also believe you will join me in wishing Chris good success in his new endeavors, and wishing Christian at the same time satisfaction and success as the new Editor-in-Chief.

Joachim Heberlein

Chair, JTST Editorial Committee
July 31, 2004

A Word From the Publisher

As we mark this milestone of the change in Editor of JTST, it is worthwhile to consider the history of the journal, and Joachim Heberlein asked that I, as Publisher since its inception, write a recollection of what transpired at the genesis of JTST. In June 1990, Herb Herman proposed that the Thermal Spray Technical Division of ASM (not yet an affiliate society) launch a new journal to serve the thermal spray community. The concept at that time was to hire an editor to help develop the concept and to outsource the publication to a reputable journal publisher. Based on the approval of the concept by the Thermal Spray leaders, Herb and I met with a commercial publisher in October to scope out the journal and develop a business plan.

In January 1991 we received a proposal from the commercial publisher. In my opinion, the costs were high, and the number of subscribers they forecasted was overstated. Based on discussions with them and an inability to settle on agreeable terms, they withdrew their proposal in April 1991. In May 1991, the staff of ASM proposed a plan to develop the *Journal of Thermal Spray Technology* with ASM as publisher, after having had additional discussions with Herb Herman and the recommended Editor, Chris Berndt. Let me quote from Herb Herman's letter recommending Chris: "Chris . . . is exactly suited to be an editor (tough,



William W. Scott, Jr.

quasi-perfectionist, intelligent, literate, and a sprayer) . . . I honestly think that he could do an excellent job." After having met Chris, I agreed wholeheartedly! The journal plan was approved, and the first issue of the journal was announced in a news release on November 1, 1991 and published in March 1992. As they say, "the rest is history."

The chronology above, of course, does not reflect the energy and passion that Chris Berndt brought to the project, both prior to and during the launch of JTST. Once the journal was approved, he quickly described his concept for the journal, and the ASM staff worked with him to match his expectations. The early days were not easy, since we had no manuscripts "in the hopper." Chris requested authors within his network to submit high-quality manuscripts "urgently" in order to launch the journal, and his requests had to continue for some years before there was a sufficient flow of manuscripts. Now, after 13 years of publication, we can look back on a large number of very high-quality articles that are useful to the broad array of readers who make up the Thermal Spray Society. (As proof of this, whenever we take copies of JTST to an event of any kind, they disappear immediately. At an ITSC event, we usually run out of complimentary copies on the first day!)

I've often mentioned to Chris and Joachim that JTST is my *favorite* journal. I guess this has to do with my industrial background and the fact that the journal not only includes the peer-reviewed papers, but news and features and history and patents and pertinent abstracts

of the literature, etc. These attractive features all take time for the editor, and in addition, some time for the staff, but they add to the utility of the journal, in my opinion.

As Publisher of JTST since its inception, I want to add my personal word of gratitude to Chris Berndt for his vision and for the professional way in which he has carried out his editorial responsibilities for the journal. During his tenure, he and I have built an excellent friendship based on our many communications related to the journal and the respect that I have for him. In a very real sense, the journal is what Chris has made it, in terms of its scope, its quality, and the various departments that are included. I'm delighted that he will continue as Editor Emeritus.

In closing, let me say that I could not have suggested a better candidate to follow Chris as Editor-in-Chief. Christian Moreau is well known in the thermal spray community, has provided many articles for the journal and ITSC, and has the kind of stature and professionalism that will naturally engender the continued submission of excellent manuscripts. Thank you, Christian, for accepting this new responsibility. I am certain that you will put the imprint of your own style and interests on the journal, while keeping the spirit of Chris Berndt's vision. We look forward to working with you.

William W. Scott, Jr.
Publisher

About the New Editor

Dr. Christian Moreau has been Group Leader—Surface Technologies at the Industrial Materials Institute of the National Research Council of Canada (NRC) since 2001. This group is actively involved in the development and optimization of thermally sprayed and electroplated coatings used in numerous industrial applications. He previously led the Optical Inspection Group at NRC for five years.

At NRC since 1987, he has been conducting research and development activities on coating processes and applications. Prior to joining the Industrial Materials Institute, he worked in the field of computer science for two years at CAE Electronics Ltd.

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 ten "best paper" awards from various conferences and journals.

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 (Acuraspray), and studies of effect of plasma fluctuations on in-flight particle parameters.

Moreau obtained his M.Sc. degree in nuclear physics in 1981 and his Ph.D. in applied physics in 1985 from Université Laval, Québec, Canada. A member of ASM and TSS, he has served as vice chair of the JTST Committee, and has been an associate editor for the journal for the past year. 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 at the University of Toronto and University of Sherbrooke.

Moreau said, "What Chris Berndt has accomplished over the past 13-plus years in setting up the journal and establishing it as an internationally recognized publication is amazing! This is an example of an achievement done with vision, passion, enthusiasm, perseverance, and patience."

"As newly appointed editor-in-chief, I want to continue supporting Chris' vision for the journal. JTST must be the reference journal for all aspects related to the thermal spray science and technology, the reference not only for scientists, but also for engineers, students, and sprayers around the world. This will be done by continuing to improve the quality and pertinence of articles and columns published in each issue."