

THERMAL SPRAY WORKSHOP at PUNJAB TECHNICAL UNIVERSITY

The conference series on “Advancements and Futuristic Trends in Mechanical and Materials Engineering” has been organized by the team led by **Dr. Buta Singh Sidhu** (*Dean Academics, PTU*) since 2006. From 2012 onwards, this conference has been convened at an international level. It has been recognized for its high quality presentations and networking opportunities. This conference provides a wealth of resources regarding the most recent developments concerning mechanical engineering, materials science and engineering, process technology and their application to the practice of engineering.

Punjab Technical University is proud to announce that the “International Conference on Advancements and Futuristic Trends in Mechanical and Materials Engineering” will be held from **16th -18th October, 2014.**

Adding another feather to its cap, PTU is organizing a one day **THERMAL SPRAY WORKSHOP** to be conducted by **Prof. Christopher C. Berndt** (Swinburne University, Australia) and **Dr. J. Karthikeyan** (ASB Industries, Inc., Ohio, USA) on **October 15, 2014** at its campus. Professor Berndt and Dr. Karthikeyan are recognized experts in the field of Thermal Spray Technology. They have given numerous presentations over the past 30 years. The participants will be exposed to the large family of thermal spray techniques that provide functional surface coatings. e.g. Plasma Spray, High Velocity Oxygen Fuel, Wire Arc, Cold Spray etc. Furthermore, subject areas will include testing and characterization; feedstock considerations; process developments and design aspects of thermal spray technologies. Participants of the Thermal Spray Workshop will be encouraged to discuss their needs and potential surface coating applications.

The course seats are limited and course enrolment will be on first-come-first-served basis. For any additional information, please feel free to contact us at aftmme@ptuconferences.ac.in

Course Fee Details:

Till 30th September:

Industry Sponsored: 10,000/- INR.

Academician: 3000/- INR.

Research Scholars (*Regd. in PTU*): 500/- INR.

After 30th September:

Industry Sponsored: 15,000/- INR.

Academician: 5000/- INR.

Research Scholars (*Regd. in PTU*): 1000/- INR.



PTU
ਪੰਜਾਬ ਟੈਕਨੀਕਲ ਯੂਨੀਵਰਸਿਟੀ
PUNJAB TECHNICAL UNIVERSITY

**INTERNATIONAL CONFERENCE ON
ADVANCEMENTS & FUTURISTIC TRENDS IN
MECHANICAL & MATERIALS ENGINEERING**
16-18 OCTOBER 2014



PUNJAB TECHNICAL UNIVERSITY

Jalandhar Kapurthala Highway, Kapurthala, Punjab-144601 (INDIA)

Ph.: +91-1822-662562

Fax: +91-1822-662573

aftmme@ptuconferences.ac.in

www.ptu.ac.in

www.ptuconferences.ac.in

Christopher C. BERNDT
Professor of Surface Science and Interface Engineering
Swinburne University of Technology, Faculty of Engineering
John Street, H66
Hawthorn, Victoria 3122
AUSTRALIA
Tel: 011 +61 (0)3 9214 8706
Mobile: +61 (0)4 28 237 638
Email: cberndt@swin.edu.au



Chris Berndt graduated in 1977 with a B.App.Sc. in Metallurgy, from what is now called the University of South Australia. His Ph.D. was earned in the Materials Engineering Department of Monash University in mid-1981. He undertook several Fellowships in the USA in the early 1980's; which included a 2 year stint at NASA-Lewis Research Center in Cleveland (OH-USA) where he worked on aerospace hardware.

Chris was appointed a Senior Lecturer at Monash in 1985. He was invited to apply for a position at Stony Brook University, NY-USA in 1989. He was promoted to Full Professor with tenure in 1995 and appointed an Adjunct Professor in Orthopedics in 1996. Berndt was the Deputy Chairman of the Department of Materials Science and Engineering for 9-years and the Associate Dean of the Faculty for 4-years. He undertook training to become qualified as an ABET visitor for materials and engineering science programs. Berndt remains as an Adjunct Professor at Stony Brook University.

In early 2005 Berndt returned to Australia as the founding Professor of Surface and Interface Engineering, James Cook University, Queensland, Australia. He was the Chairman of the Townsville Division of Engineers Australia and Chaired the Regional Engineers Australia Conference in 2007. He moved to Swinburne University of Technology in late 2007 as the founding Professor of Surface Science and Interface Engineering. He was invited to become the Director of the Industrial Research Institute Swinburne (aka 'IRIS') in March 2008. He stepped down from that position in August 2011 when he assumed other responsibilities. Chris has served as a member of 4 Engineers Australia Accreditation Teams and Chaired one of these.

Berndt's professional interests gravitate around manufacturing; especially in the area of protective coatings. He was inducted into the Thermal Spray Hall of Fame in 2007. He was the President of Thermal Spray Society (an affiliate of ASM International) in 2002 through to 2004. He has been the Chair or Co-Chair of 5 International Conferences. He was appointed a Trustee (the Board of Directors) of ASM Int. (aka "the American Society of Materials") for 2005-2008. Chris became the Vice-President of ASM Int. and progressed to President in October 2011. Berndt was also the President of the Australian Ceramic Society from mid-2008 through to mid-2010.

Berndt is a Member of 10 professional societies in the materials, mechanical, manufacturing and bioengineering fields. He is a Fellow of the Australian Institution of Engineers, Fellow of ASM International, Fellow of the Institute of Materials, Minerals and Mining (UK), Fellow of the Australian Ceramic Society, Fellow of the American Ceramic Society (USA), Fellow of the American Society of Mechanical Engineers, and a Fellow of Alpha Sigma Mu (The Materials Engineering Honor Society). He was nominated by the student members of Stony Brook University to become a member of Tau Alpha Pi (the Engineering Technology Honor Society) as an "Eminent Engineer". He is also a Chartered Engineer (UK), a Chartered Professional Engineer (Australia), and a Member of the College of Bioengineers (Australia). Berndt has held guest positions as a Faculty Fellow of Oak Ridge National Laboratory and as a Guest Scientist of Brookhaven National Laboratory.

BERNDT has in excess of 450 publications. He is the Editor/Co-editor of 10 conference proceedings on thermal spray. Berndt has an 'h-index' of 45 and more than 7,000 citations to his work. He is especially proud of his students and post docs who have achieved professional prominence and earned good lives over the past 30 years.

June 2014.

Dr. J. Karthikeyan, FASM

Director of Research and Development
ASB Industries, Inc., Barberton, Ohio.



Dr. Karthikeyan received Ph.D. from Bombay University and specialized on thermal spraying and advanced material processing technology. Since 1972, he pursued research in BARC (Atomic Energy Commission), India, Nuclear Research Center (Kernforschungsanlage), Germany, Monash University, Australia and SUNY at Stony Brook, USA. He is involved in industrial R&D since 1997, developing advanced coating techniques and engineered coatings. He is always in the forefront of cutting edge technologies and has pioneered R&D in High- T_c superconducting coatings, thermal spraying of liquids, nanostructured powders and coatings, cold spray technology and others. He has authored in excess of 120 publications, mostly in peer reviewed journals. Last twelve years, he is leading industrial cold spray R&D and has published over 40 papers in various aspects of cold spray technology. He has also authored many patents in cold spray technology and applications.

As the Chairman of the organizing committee, he has organized the ASM sponsored "Cold Spray 2004", "Cold Spray 2007" and "Cold Spray 2010" meetings in Akron, OH. Also, he organizes special Symposium on Cold Spray Technology at International Thermal Spray Conferences every year. He is a Fellow of ASM International and has served as a member of the ASM-Thermal Spray Society Board (2008-11), Secretary/Treasurer of the MRSI-Bombay Chapter and Convener of the Expert Group on Ceramic Coating Technology, DST, India. He is a member of the International Board of Review of many prestigious journals such as Journal of Thermal Spray Technology. As a prominent member of various committees of the ASM-TSS, he is actively involved in directing the technical programming, training and education and other activities in Thermal Spray Technology.



ONE DAY WORKSHOP ON THERMAL SPRAY TECHNOLOGY on 15-10-2014 at PTU

REGISTRATION FORM

1. Name:

2. Designation:

3. Department:

4. Organization:

5. Address:

.....

6. Phone:, 7. Fax:, 8. Mobile:

9. E-mail:

10. Details of the Registration Fee:

Name and Branch of Bank:

DD No.:, Date:, Amount:

Date:

Signature

NOTE: DD should be in favour of "REGISTRAR, Punjab Technical University", Payable at Jalandhar.

PUNJAB TECHNICAL UNIVERSITY

Jalandhar Kapurthala Highway, Kapurthala, Punjab-144601 (INDIA)

Ph.: +91-1822-662562

Fax: +91-1822-662573

aftmme@ptuconferences.ac.in

www.ptu.ac.in

www.ptuconferences.ac.in





ONE DAY WORKSHOP ON THERMAL SPRAY TECHNOLOGY on 15-10-2014 at PTU

Dear Sir / Madam

Kindly send scanned copy of duly filled and signed registration form, along with the Demand Draft, through e-mail at aftmme@ptuconferences.ac.in and send the original registration form and demand draft by registered / speed post. The Registration Fee is a non-refundable.

Course Fee Details:

Till 30th September 2014:

Industry Sponsored	: Rs. 10,000/-
Academician	: Rs. 3000/-
Research Scholars (<i>Regd. in PTU</i>)	: Rs. 500/-

After 30th September 2014:

Industry Sponsored	: Rs. 15,000/-
Academician	: Rs. 5000/-
Research Scholars (<i>Regd. in PTU</i>)	: Rs. 1000/-

Send Registration Form and DD by Regd./Speed Post at:

DEAN (ACADEMICS)

PUNJAB TECHNICAL UNIVERSITY

JALANDHAR-KAPURTHAL HIGHWAY

KAPURTHALA, PUNJAB-144601

INDIA

NOTE: If there are less than 15 days in the start date of the Workshop, then send the scanned copy by e-mail and bring the original by hand on the date of workshop.

PUNJAB TECHNICAL UNIVERSITY

Jalandhar Kapurthala Highway, Kapurthala, Punjab-144601 (INDIA)

Ph.: +91-1822-662562

Fax: +91-1822-662573

aftmme@ptuconferences.ac.in

www.ptu.ac.in

www.ptuconferences.ac.in

