

**Invited talks delivered: 51**

52	S.K.Mishra	2020	Nanocomposite coatings	BITs Pilani Hyderabad campus Feb 2020
51	S.K.Mishra	2020	Microstructure and mechanical behavior correlation of nanocomposite coatings	International conference, 12 <sup>th</sup> Asia Pacific electron microscopy conference at Hyderabad, India, Feb 2020, APMC 2020.
50	S.K.Mishra	2020	Innovation in Science Education	NASI seminar at Jharkhand womens college
49	S. K. Mishra	2019	Synthesis and sintering of borides and composite by innovative processes	ADMAT-2019, Int. conf on materials for defence held at Hyderabad by DMRL.
48	S.K. Mishra	2019	Thermal Barrier coatings	TEQIP workshop on surface engineering & composite materials, May 2019
47	S.K. Mishra	2019	Hard nanocomposite coatings	TEQIP workshop on Materials, Manufacturing and modeling: advances and constraints, NIT Jamshedpur, May 2019
46	S.K. Mishra	2019	Surface Engineering	TEQIP workshop on surface engineering & composite materials, May 2019
45	S.K. Mishra	2018	Function Coatings by different processes	Bharat Forge February 2018
44	S.K. Mishra	2018	Corrosion and wear coating on steel research at NML.	Int. Conf. ASIA Steel Feb 2018
43	S.K. Mishra	2017	Alternative coatings on steel	National workshop on HDGS 2017-August 2017
42	S.K. Mishra	2017	Coating research at NML	Tatabluescope May 2017
41	S.K. Mishra	2016	Multilayer coatings for solar thermal applications	NMD -ATM 2016 at IIT Kanpur, organised by Indian Institute of Metals
40	S. K. Mishra	2016	Surface engineering for corrosion and wear protection	Industrial HIGH technical manager training at Jamshedpur, May 2016
39	S. K. Mishra	2016	Nanocomposite hard coatings for engines	INDO-US workshop and discussion meeting in coatings at Koor, organised by IIT Mumbai and IISc Bangalore, March 2016
38	S. K. Mishra	2015	Surface engineering at NML	International Seminar on surface engineering, SSPC at greater Noida Oct 2015
37	S K Mishra, L. C. Pathak	2013	Multilayered Thermal barrier coatings	AEROMAT , USA Seattle, organised by ASM International
36	S. K. Mishra	2013	Wear and Oxidation resistance coatings for thermal power plants	NTPC, power magement Institute, Jan2013
35	S. K.	2012	High temperature ceramics and	IIM Jamshedpur, as award

	Mishra		coatings at NML	presentatin
34	S. K. Mishra, Inv	2012	Deposition, deformation and mechanical behavior of hard and tough nano-composite thin films by Magnetron sputtering	National Seminar on nanotechnology, Raigarh, Aug 2012
33	S. K. Mishra, Inv.	2012	Deformation and mechanical behavior of hard and tough nano-composite thin films by Nanoindentation.	Nanoindention seminar by Agilent USA, and Tosniwal and others at Delhi July 2012
32	S.K. Mishra, Inv.	2012	Hard yet tough coatings for wear & oxidation resistance and high temperature applications	Diamon Jublee Seminar at Iit kahrampur Jan 2012
31	S. K. Mishra	2011	Hard coatings of TiB <sub>2</sub> , TiB-N, Ti-Si-B-C-N for wear & oxidation resistance and high temperature applications	Key note add NMD Hyderabad
30	S.K. Mishra, P. Mahato, L.C. Pathak	2011	Effect of substrate temperature on Ti-Si-B-C super-hard Nanocomposite coatings deposited by RF/DC magnetron sputtering	NMD Hyderabad
29	S. K. mishra	2011	Materials for future technology	IIM Kolkota
28	S. K. mishra	2011	Deposition of hard silicon carbonitride (SiCN) nanocomposite and multilayered thin films by Magnetron sputtering	Int. Conf. On Advanced Materials
27	S. K. Mishra, do	2011	Mechanical properties of small volume and thin films by Nanoindentation	Jadavpur university metallix 2011
26	S. K. Mishra, do	2011	Nanocomposite coatings for automobiles	ASM int. conf at Mumbai
25	S. K. Mishra	2011	Nanocomposite by shs process	Int. conf ISME at Pune
24	S. K. Mishra	2010	Deformation and Mechanical behaviour of hard nanocomposite thin films	Jadavpur University, seminar on “Wear, deformation, mevhanical behaviour of materials” March 2009
23	S. K. Mishra	2009	Fine and nano borides and its composite by SHS process	University of Central Florida, USA as invited speaker in workshop on “Boron rich solids”, arranged by UCF and NASA, Dec 2009
22	S. K. Mishra	2009	Nanocomposite coatings at NML	ISMAN, Russian academy of Sciences, Moscow, Russia, April 2009
21	S. K. Mishra	2009	Different processes and properties of coatings for industrial components and	Workshop on surface engineering at Pune IIM chapter, Jan 2009

			future demands and current trends	
20	S. K. Mishra	2008	SHS processing of advanced hard materials and nano composite	Indo Russian conference on SHS at IISC Bangalore Nov 2008
19	S. K. Mishra	2008	Nano materials and coatings	At TRDDC pune, Aug 2008
18	S. K. Mishra	2007	Nano and nanocomposite hard materials and coatings	IIT Kanpur, int. conf. on nanomaterials, October 2007
18	A. S. Bhattacharya, S. K. Mishra	2008	SiCN coatings on steel substrate	Int. seminar, coated steel, convenor Tata steel, Feb 2008
17	S.K. Mishra	2007	Hard coatings	IGCAR Sept 2007
16	S. K. Mishra	2007	Deposition and mechanical properties of nanostructured thin films	MRSI seminar at Lucknow Univ. March 2007
15	S. K. Mishra	2007	Mechanical properties of thin films	Seminar on “deformation & damage of materials” Jan 2007 Jadavpur Univ.
14	S. K. Mishra	2006	Women in physics: problem and solutions	Conference on Physics education at Jamshedpur, by womens College Ranchi University
13	S. K. Mishra	2006	Advanced Materails at CSIR	At China NSFC as delegation member
12	S. K. Mishra	2005	Surface Engineering of industrial materials	DST workshop for engineering faculties of India under QIP programme held at BIT Mesra
11	S. K. Mishra	2005	Nano materials : nano-composite hard coatings for industrial applications:	International symposium on Nano materials at BIT Mesra
10	S. K. Mishra	2004	SHS processing of advanced ceramics	MRSI Jamshedpur chapter
9	S. K. Mishra	2004	Self propagating high temperature synthesis of nano and fine borides and their composite	MRSI 2004 (MRSI medal award lecture)
8	S. K. Mishra	2003	Advanced techniques for surface engineering of Industrial materials	Resurgence of metallic materials, the current scenario, Pub. Institute of engineers India, 128-140, 2003
7	S. K. Mishra	2004	Synthesis of nano and fine ceramics by SHS process	International conference on powder Metallurgy, organized by Powder metallurgy association of India and IIT powai
6	S. K. Mishra	2002	SHS synthesis and hard coatings at NML	Colorado school of mines
5	S. K. Mishra	2002	hard ceramics and their	Annual AGM of Indian Ceramic

			composites by SHS processing	society Dec'2002.
4	S.K.Mishra	2002	Advanced surface engineering, Resurgence of metal and materials (ROMM)	Institute of engineers, NML Jamshedpur
3	S. K. Mishra	2001	SHS synthesis of ZrB <sub>2</sub>	ISMAN Russia
2.	S. K. Mishra	1998	Sintering of ZrB <sub>2</sub> produced by SHS process	Indo Russian workshop at Hyderabad on SHS products under ILTP programme
1 .	S. K.Mishra	1998	Zirconium diboride- a potential high temperature material	Seminar on Aerospace High Temp. Mater., At NAL Bangalore