

2016 JTSS Spring Meeting
7-8 June, 2016 (Takatsu Garden, Osaka, JAPAN)
Technical Program

■ 7th, June, 2016			
10:20-10:30 Opening Remarks			
10:30-11:50 Session 1: Theory and Phenomenon		Chair: Makoto WATANABE	
Poster and exhibition session	101	Spatial distributions of temperature and velocity of thermal spray flight particles	Plazwire Co., Ltd " " " " Kyushu University ○ Yasuyuki KAWAGUCHI Fumihiko MIYAZAKI Masafumi YAMASAKI Kastunori MURAOKA Yukihiko YAMAGATA
	102	Evaluation on dynamic wetting of substrate by thermal sprayed particles	Toyohashi University of Technology Graduate student at TUT ○ Masahiro FUKUMOTO Natsuki MAEDA
	103	Deposition Behavior of Ceramic Hollow Particles Impacted by Plasma Spraying Process	The Graduate University for Advanced Studies Tokyo University of Science TOCALO Co., Ltd. " " " " ○ Yuta TOBATA Masayuki ARAI Tatsuo SUIDZN Akihiro KANNO Shun NISHIZAKO
	104	Study on Plasma and Spray Particles Behavior in Low Power Microwave Plasma Spray	Toyohashi University of Technology " " " " " " ○ AHMAD REDZA Mikiyasu KAMANO Toshiaki YASUI Masahiro FUKUMOTO
11:50-13:30 --- Lunch Break ---			
13:30-15:10 Organized Session: Enhanced reliability through visualization of thermal spray process		Chair: Kentaro SHINODA	
	OS1	Visualization Technologies for Thermal Spray Processes	AIST Kentaro SHINODA
	OS2	Particle Velocity Measurement by PIV	Kagoshima University Hiroshi KATANODA
	OS3		National Institute for Materials Science Seiji KURODA
	OS4	Measurement of thermal spraying process by AE method	The University of Tokyo Kaita ITO
Panel Discussions			
15:10-15:20 --- Break ---			
15:20-15:50 Presentation by Exhibitor		Chair: Shinichi NISHIMURA	
15:50-16:30 Poster and exhibition session			
16:30-17:00 Award		Chair: Yoshito KOGA	
18:00-20:00		Chair: Sayaka SAKO	
--- Bunquet ---			
■ 8th, June, 2016			
9:00-10:40 Session 2: SPS•CS		Chair: Kazuhiko SAKAKI	
Poster and exhibition session	201	Evaluation of cracking condition of coating layer during SPS	The University of Tokyo " " National Institute for Materials Science " " " " The University of Tokyo ○ Naoaki YONEDA Kaita ITO Xiaolong Chen Hiroshi ARAKI Seiji KURODA Manabu ENOKI
	202	Numerical Simulation of Axial-Injection Suspension Plasma Spraying	University of Tsukuba " " " " AIST ○ Takuma SUZUKI Hiroki SAITO Takayasu FUJINO Masato SUZUKI
	203	Influence of particle size distribution on suspension plasma spraying	Oerlikon Metco (Japan) Ltd. " " " " " " ○ Kazuya FUJIMORI Toshiyuki YAMANE Junya KITAMURA Tetsuyoshi WADA
	204	Influence of the particle shape to adhesion strength in cold spray	FUKUDA METAL FOIL & POWDER Co., Ltd. ○ Katsunori OTOBE
	205	Evaluation of Local Bonding Strength for Cold Sprayed Coatings by Ultramicro-Tensile Tests	TOHOKU Univ. " " " " " " ○ Ryotaro TOKORO Yuji ICHIKAWA Kazuhiro OGAWA
10:40-10:50 --- Break ---			
10:50-11:50 Session 3: Properties I		Chair: Shinichiro ADACHI	
	206	Study on Characteristics of Laser Melted Stellite Thermal Spray Coating	Tocalo Co., Ltd " " " " ○ Tatsuya FUKUSHI Hiroki YOKOTA
	207	Abrasion Property and Void Morphology of HVOF Sprayed WC-Co Coatings	Tocalo Co., Ltd " " " " " " ○ Yoshifumi KOBAYASHI Mitsunori INOUE Kenichiro TOGOE
	208	Use and Effectiveness of Thermal Spraying Software Templates for Powder Laser Spraying	AIST " " " " " " ○ Shingo HIROSE Yukitoshi EZUKA
11:50~13:00 --- Lunch Break ---			
13:00~14:00 Special Lecture		Chair: Toru MARUYAMA	
		Current Applications of Thermal Spray and its Future Perspective	TOCALO Co., Ltd. Noriyuki MIFUNE
14:00~14:10 --- Break ---			
14:10~15:10 Commemorative lecture for JTSS Society Award		Chair: Kazuo UENO	
		Fundamentals of Splat Nature in Thermal Spray Processes	Toyohashi University of Technology Masahiro FUKUMOTO
15:10~15:20 --- Break ---			
15:20~16:40 Session 4: Properties II		Chair: Shingo HIROSE	
	209	Improvement of Delamination Resistant Property of Thermal Barrier Coatings (TBC) by Means of Internal High Temperature Oxidation in Bond Coat Materials	TOHOKU Univ Tohoku Electric Co " " " " TOHOKU Univ " " " " " " ○ Gota KATAYANAGI Mitsuhiro OIKAWA Hiroyuki YAMAZAKI Tadashi TATSUKI Yuji ICHIKAWA Kazuhiro OGAWA
	210	Fundamental Characterization of Plasma Sprayed Environmental Barrier Coatings	TOHOKU Univ. " " " " Niigata Institute of Technology AIST FUJIMI INCORPORATED ○ Ryotaro YANAOKA Yuji ICHIKAWA Yasuhiro YAMAZAKI Masato SUZUKI Kazuto SATO
	211	Improvement of Oxidation Resistance Property in APS-MCrAlY Alloy Coating by Optimizations of Thermal Spraying Parameters	TOCALO Co., Ltd. " " " " " " ○ Tatsuo SUIDZN Syun NISHIZAKO Masayuki ARAI
	212	The crack-growth resistance properties of MgO-ZrO ₂ -SiO ₂ coating at high temperature	Tokyo University of Science ASAHI GLASS CO., LTD. " " " " " " ○ Yasunari ISHIKAWA Kazuo HAMASHIMA
16:40-17:00 Best Presentation Awarding and Closing Remarks			