

105th JTSS Fall Meeting
 29-30 June, 2017 (Hotel Awina Osaka, Osaka, JAPAN)
Technical Program

29th, June, 2017

10:20-10:30 Opening Remarks			
10:30-11:50 Session 1: Spray Process • New Process			Chair Kazuhiro OGAWA
101	Replacement of Hard Chrome Plating by Laser Cladding	Hoganas (China) Co., Ltd.	○ Hans HALLEN
102	Influence of powder property and metal content of cemented carbide on the laser molding	FUJIMI IN CORPORATED "	○ Junya YAMADA Hiroyuki IBE
103	Morphology of AlN films deposited by Supersonic Free-Jet PVD using reactive-AlN nanoparticles	Shibaura Institute of Technology Graduate School Shibaura Institute of Technology	Mari SHIMIZU ○ Atsushi YUMOTO
104	Current-voltage characteristics of a 1kW DC plasma torch with argon/helium gas	University of Tsukuba " "	○ Hiroki SAITO Kei MAESHIMA Takayasu FUJINO
11:50-13:30 --- Lunch Break ---			
13:30-14:00 60th Anniversary Ceremonial Gathering			
President's Address		President, Japan Thermal Spray Society	
Congratulatory speeches by guests of honor			
14:00-15:00 60th Anniversary Commemorative speech			
History of Thermal spray in Japan		SHINCO METALICON CO., LTD.	Yutaka TATEISHI
Establishment of Thermal Spraying Heritage System of JTSS		Shinshu Univ	Kazuhiko SAKAKI
15:00-15:20 --- Break ---			
15:20-16:50 60th Anniversary Commemorative Symposium			
Symposium1	Development of hybrid aerosol deposition method towards delight design	National Institute of Advanced Industrial Science and Technology	Kentarō SHINODA
Symposium2	Feasibility Study of Data Driven Analysis on Thermal Spray Coatings	National Institute for Materials Science	Makoto WATANABE
Symposium3	Current Situation and Issues of Environmental Barrier Coatings	Tohoku Univ	Kazuhiro OGAWA
16:50-17:00 --- Break ---			
17:00-17:30 60th Anniversary Commemorative Awarding			
18:00-20:00 60th Anniversary Celebratory Party			

Poster and exhibition session & photo contest

30th, June, 2017

9:30-10:30 Session 2 : Suspension Spray • Spray Materials		Chair	Masato SUZUKI
201	Influence of Spraying Conditions on Coating Characteristics in Al ₂ O ₃ SPS	FUJIMI INCORPORATED " " "	○ Hiroyuki IBE Takaya MASUDA Kazuto SATO Nobuaki KATO
202	Influence of particle size distribution and slurry parameter on Al ₂ O ₃ suspension sprayings	FUJIMI INCORPORATED " " "	○ Takaya MASUDA Hiroyuki IBE Kazuto SATO Nobuaki KATO
203	Thermal spray coating of ternary oxide on ceramics	AGC Asahi Glass Co., Ltd "	○ Kazuo HAMASHIMA Mizuki MATSUOKA
10:30-10:40 --- Break ---			
10:40-11:40 Session 3 : Plasma Spraying • Coating Texture		Chair	Tatsuo SUIDZU
204	Relationships between hot corrosion behavior of ceramic thermal spray coating and its structures	Shibaura institute of technology National institute for Material Science " " Shibaura institute of technology	○ Shuto TSUKADA Seiji KURODA Chen Xiaolong Makoto WATANABE Atsushi YUMOTO
205	Influence of atmospheric plasma spray parameters on microstructure of thermal barrier coatings	Oerlikon Metco (JAPAN) Ltd " " "	○ Toshiyuki YAMANE Kazuya FUJIMORI Junya KITAMURA Tetsuyoshi WADA
206	Development Of High – Voltage, Low – Electric Current, Axial Feed Type Multi – Plasma APS	Shinwakogyo Co.Ltd Thermal Spray Group Ashikaga Kogyo University Total Reseach Shinwakogyo Co.Ltd Thermal Spray Group "	○ kenzo TOYOTA yoshimasa NODA kyohei KIDO sinobu MAKINO
11:40-13:00 --- Lunch Break ---			
13:00-14:00 Invited Lecture		Chair	Kazuhiro OGAWA
Global trends and strategies of ceramics coating market		Japan Fine Ceramics Association	Kenji TOMITA
14:00-14:10 --- Break ---			
14:10-15:10 Session 4 : Cold Spray		Chair	Kazunori SAKATA
207	Influence of additives on the synthesis of titanium dioxide powder for cold spray	Toyohashi University of Technology Graduate student, Toyohashi University of Technology Toyohashi University of Technology	○ Motohiro YAMADA Toibah Binti Abd RAHIM Masahiro FUKUMOTO
208	Influence of the particle shape and the heat treatment to adhesion strength in cold spray	FUKUDA METAL FOIL & POWDER CO.,LTD.	○ Katsunori OTOBE
209	Deposition Mechanism Analysis of Cold Sprayed Metallic Coatings on Ceramic Substrates	Tohoku Univ " "	○ Shohei NAKAMURA Yuji ICHIKAWA Kazuhiro OGAWA
15:10-15:20 --- Break ---			
15:20-16:20 Session 5: Coating Property		Chair	Satoru TAKAHASHI
210	Fracture Toughness and Void Morphology of HVOF Sprayed WC–Co Coatings	Tocalo Co., Ltd. R&D Laboratory " "	○ Yoshihumi KOBAYASHI Toshiaki TSUJI Ryota SHINDO
211	Corrosion in atmospheric corrosion of various spray coating materials and biofilms	National Institute of Technology, Suzuka College " " " "	○ Hideyuki KANEMATSU Akiko OGAWA Takeshi KOGO Daisuke KURODA Nobumitsu HIRAI
212	Nondestructive Evaluation for Thermally Sprayed Coatings using Nonlinear Ultrasonic Method	Fujikikosan Corporation " " " Ultrasonic Materials Diagnosis Laboratory	○ Kazunori SAKATA Katsuhiko HOSOKAWA Koji TAGOMORI Tomoyuki ISHIHARA Koichiro KAWASHIMA
16:20- Best Presentation Awarding and Closing Remarks			