SIP Additive Manufacturing International Workshop

Date: January 28-29th, 2020 Place: Tsukuba International Congress Center, room 202 (Tsukuba, Ibaraki)

			Date:	Janua	ry 28-29	th, 2020		Place:	Tsukuba
Time	Lap	Contents		Speaker		eaker			
		January 28th, 2020							
9:00	0:25	Arriving and Badging							
9:25	0:15	Opening address: Tetsuo Mohri Deputy Program Director, SIP "Materials Integration" for Revolutionary Design System of Structural Materials, JP							
9:40	0:10	Address by NIMS representative: Kazuhiro Hono Vice president, National Institute for Materials Science, JP							
9:50	0:10	Address from Industry: Shinya Imano Senior Manager, Mitsubishi Hitachi Power Systems, JP							
		1				Manufactur	-		
10:00	1:00	Keynote lecture Materials Ecosystem in Powder Bed AM Processes: Opportunities and Challenges, Behrang Poorganji, US				nities			
11:00	0:10	Break							
11:10	1:00	Keynote lecture					erization of Additi ns, Iowa State Ui		us
12:10	0:40	Invited lecture	Creep		th and Du		00 for SLM Proce a Imano, Mitsubis		
12:50	1:00	Lunch							
13:50	1:00	Keynote lecture	additiv		ufacturing,		owder bed based ang, KU Leuven		
14:50	0:45	Invited lecture	Haste	lloy X, C	Quanquan	Han, Cardif	ngth crack-free N f University, UK		
15:35	0:30	Invited lecture	high d				alloys with high and the second secon		
16:05	0:15	Break							
16:20	0:30	Invited lecture	fusion Plancl	of Inco k Institu	nel-738LC ite for Iron	Superalloys Research G		aran, Max	(
16:50	0:30	Invited lecture					r Preventing Solid cess, Houichi Kita		
17:20	0:30	Invited lecture					emission method ta Ito, NIMS, JP	d during	
17:50	0:40	Moving to banquet place							
18:30	2:00	Banquet		Banqı	uet : Ciel	Blue (Okura	Frontier Hotel T	sukuba)	
20:30		Adjourn							

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	Time	Lap	Conte	nts Speaker							
		January 29th, 2020									
		Session II: ICME for Additive Manufacturing									
	9:30	1:00	Keynote ICME & Materials Design for Additive Manufacturing Jiadong gong, QuesTek Innovations, US								
1	10:30	0:10	Break								
_	10:40	1:00	Invited lecture	Modeling Additively Manufactured Superalloy Microstructures, Trevor Keller, National Institute of Standard and Technology, US							
	11:40	0:30	Invited lecture	I manutacturing using electron beam. Kenta Aoyagi, Tohoku							
	12:10	0:50	Lunch								
	13:00	1:00	Invited Advances in Numerical Modelling of Additive Manufacturing Processes, Tyler Alexander London, The Welding Institute, UK								
_	14:00	0:30	Invited lecture	Prediction model of tensile properties with the microstructural features of SLMed Ti-6Al-4V based on an artificial neural network, Masahiro Kusano, NIMS, JP							
	14:30	0:20		Break							
5	14:50	1:00	Invited lecture	Assessing manufacturability and understanding material quality of Additive Manufacturing process through multi-scale and multi-physic simulation, Pierre-Adrien Pires, ESI Group, FRA							
	15:50	0:30	Invited lecture	Non-equilibrium multi-phase field model coupled with CALPHAI database for solidification microstructure evolution and melt flow influence, Sukeharu Nomoto, Nagoya University, JP							
	16:20	0:10	Closing: Makoto Watanabe, NIMS, JP								
	16:30		Adjourn								

※ 本ワークショップは、SIP「統合型材料開発システムによるマテリアル革命」 プロジェクトの研究開発活動の一環として実施されます。





