

GS07 Additive Manufacturing

GS07-01 Height Control of Microstructures Directly Extruded by Fused Deposition Modeling Processes
Yunlong Han, Jining Sun, Yi Zhang, Quanhao Xiao, Hao Jing, Zhiyuan Li, Yongjie Guo, Qing Wang, Mengfan Lv, Wuanyao Wang, Yayong Wang, Zhiyuan Li and Lei Zhang

GS07-03 Design, Fabrication, and Evaluation of Properties Of Novel Hybrid Lattice Structures
Şeymanur Sirtli, Cem Batur, Elmas Salamci, Hamed Tanabi and Metin Uymaz Salamci
University of Turkish Aeronautical Association

GS07-05 Effect of cobalt content on ultra-thin diamond blades by fused deposition modeling and sintering: blade properties and machined surface quality
Tao He, Shaoh Zhang, Xiangwang Kong, Linglong Rong, Jingjing Wu, Suet To and Wai Sze Yip
The Hong Kong Polytechnic University

GS07-06 Direct observation of bubbles inside the molten pool in laser welding of alumina
Daijiro Tokunaga, Yuko Aono and Atsushi Hirata
Tokyo Institute of Technology

GS07-07 Bead shape stabilization method under laser scanning speed changing condition by controlling deposition conditions for powder DED process
Yusuke Yamamoto and Ryuta Sato
Nagoya University

GS07-08 Research on Topology Optimization Techniques for Lightweight Design of 3D Printer-Based Cutting Tools
JingHua Li, HyungKyu Kweon, GooSang Jung, DongGil Ahn and Ujong Kim
research institute of manufacturing and productivity

GS07-09 Research on multi-head design of metal binder jet 3D printer
JingHua Li, SangJung Park, HyunKyu Kweon, GooSang Jung, JinUng Jeon and DoHwan Lee
Kumoh National Institute of Technology

GS07-11 Evaluation on mechanical characteristic of filament wire fabricated under high shear rate
Hiroshi Koresawa, Akira Hidaka, Yuta Kichiji, Masaki Ishii and Hiroyuki Narahara
Kyushu Institute of Technology

GS07-12 Effects of particle size and CNT addition on mechanical properties of porous cemented carbides sintered using Ni coated WC particles

Daiki Abe, Tsunehisa Suzuki, Tatsuya Fujii, Matsuyoshi Nomura, Mitsutaka Sato and Koichi Harada
Akita Prefectural University

GS07-13 Additive manufacturing of fine capillary wick with hybrid porous structure using a toolpath-based construction method

Shujie Tan, Pengfei Zhang, Xu Meng, Liping Ding and Yicha Zhang
Nanjing University of Aeronautics and Astronautics

GS07-14 Rotary TIG WAAM Particle Simulation

Andrea Bimbi, Masahiro Kawabata, Togen Tsunekawa and Hiroyuki Sasahara
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