



北京理工大学
BEIJING INSTITUTE OF TECHNOLOGY

2019 International Workshop on Dynamic Behavior of Materials and Structures (DBMS-2019)

Date: 30 August 2019

Place: Multifunction Hall, 2nd floor, BIT International Education Communication Building

Organized by:

- State Key Lab of Explosion Science and Technology, Beijing Institute of Technology, China
- Impact Engineering Laboratory, Swinburne University of Technology, Australia
- Dynamic Test and Modelling Laboratory, Izmir Institute of Technology, Turkey

Co-chairs:

- Professor Pengwan Chen, Beijing Institute of Technology, China
- Professor Dong Ruan, Swinburne University of Technology, Australia
- Professor Mustafa Guden, Izmir Institute of Technology, Turkey

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30 August 2019, Multifunction Hall, 2nd floor, BIT International Education Communication Building				
Time	Title	Speaker	Institution	Chair
8:30 - 8:40	Opening Ceremony			
8:40 - 9:10	Impact response of materials: From soft gels to metals (Keynote)	Daniel Rittel	Israel Institute of Technology	Mustafa Guden
9:10 - 9:40	Mechanical and microstructural properties of 2024-T351 aluminium alloy at high strain rates and various temperatures	Dong Ruan	Swinburne University of Technology	
9:40 - 10:10	Large deformation behaviour of bulk metallic glasses in a high-rate squeezing process	Jitang Fan	Beijing Institute of Technology	
10:10 - 10:40	Modeling the topographic evolution of a rough metallic surface resulting from waterjet peening	Jing Xie	Beijing Institute of Technology	
10:40 - 11:00	Coffee Break			
11:00 - 11:30	Cellular metamaterials (Keynote)	Zoran Ren	Maribor University	Dong Ruan
11:30 - 12:00	Additively-Manufactured Ti-6Al-4V micro-lattice structures with high strength: static and dynamic properties	Weidong Song	Beijing Institute of Technology	
12:00 - 12:30	Strength analysis of aluminium foam-filled tubes	Matej Vesenjak	Maribor University	
12:30 - 14:00	Lunch			
14:00 - 14:30	Quasi-Static and Dynamic Compressive Behaviour of Origami-Based Metamaterials (Keynote)	Guoxing Lu	Swinburne University of Technology	Zoran Ren
14:30 - 15:00	Using structurally weak materials for mitigating blast and fragment loadings	Guangyan Huang	Beijing Institute of Technology	
15:00 - 15:30	Dynamic response of reactive materials	Ivan Saikov	Merzhanov Institute of Structural Macrokinetics and Materials Science, Russian Academy of Sciences	
15:30 - 16:00	Investigation of Additive Polymerization Inhibitor p-TBC on Microstructure and Mechanical Properties of Graphene Reinforced B4C Ceramic Composites	Yuxin Xu	Beijing Institute of Technology	
16:00 - 16:20	Coffee Break			
16:20 - 16:50	A non-explosive blast-like loading of composite sandwiches using cellular light-weight projectiles (Keynote)	Mustafa Guden	Izmir Institute of Technology	Weidong Song
16:50 - 17:20	Tensile behavior of an auxetic structure: Analytical modelling and finite element analysis	Jianjun Zhang	Swinburne University of Technology	
17:20 - 17:40	Drop-weight impact testing and modelling Nomex-honeycomb cored glass fiber/epoxy sandwich structures	Mustafa Kemal Sarikaya	Izmir Institute of Technology	
:40 - 18:00	Study on the failure behavior of CFRP laminate under Impact	Chen Shi	Beijing Institute of Technology	