



UNIVERSITY  
OF WOLLONGONG  
AUSTRALIA



AGH UNIVERSITY OF SCIENCE AND TECHNOLOGY

# Fourth International Symposium on Dynamic Hazards in Underground Coal Mines

22<sup>nd</sup> ~ 23<sup>rd</sup> June 2019, CUMT, Xuzhou China

**Venue: Room A604, School of Mines**

China University of Mining and Technology (CUMT), China

University of Wollongong (UOW), Australia

AGH University of Science and Technology (AGH UST), Poland

## Technical Program (Provisional)

Day One (Saturday 22 <sup>nd</sup> June 2019)	
3:00 – 7:00 PM	Symposium Registration (HanZhong FuXi Hotel)
7:00 – 8:50 PM	Welcome Dinner (HanZhong FuXi Hotel)
Day Two (Sunday 23 <sup>rd</sup> June 2019)	
8:00 – 8:30 AM	Registration (Room A604, School of Mines)
8:30 – 9:00 AM	Plenary Session – Chair: Prof. Lin-Ming DOU / Prof. Zhi-Jun WAN
<b>Official Opening:</b> Prof. Lin-Ming Dou, Director of Key Laboratory of Deep Coal Resource Mining (CUMT) Ministry of Education <b>Welcome to China University of Mining and Technology:</b> Vice President of CUMT (TBA) <b>Welcome to School of Mines:</b> Head of School of Mines, CUMT (TBA) <b>Group Photo in the Front of the Symposium Hall</b>	
9:00 – 10:00 AM	Technical Session I – Chair: Prof. Zong-Long MU
1. Lin-Ming DOU: Experimental study on the characteristics of coal samples under three-dimensional loading-unloading condition and the determination of critical burst stress 2. Ting REN: Kinetic energy associated with rib burst in underground coal mines	
10:00 – 10:20 AM	Morning Tea
10:20 – 12:00 PM	Technical Session II – Chair: Prof. Xu-Feng WANG
1. Zbigniew NIEDEBALSKI, Piotr MAŁKOWSKI, Radosław POMYKALA: Methods of rockburst prediction applied in Polish coal mines - theory and examples 2. En-Yuan WANG Analysis of the evolution process on major rock burst events 3. Yi-Xin ZHAO: Dynamic Fracture of Coal: the role of microstructure and loading rate 4. Jun HAN: TBA	
12:00 – 2:00 PM	Lunch & Poster Presentation
2:00 – 3:40 PM	Technical Session III – Chair: Prof. An-Ye CAO
1. Xue-Qiu HE: Theory and practices for monitoring dynamic hazards of coal/rock by EMR 2. Antoni KROSNY, Damian ŚWIĄTEK: Advanced boreholes drilling for outburst hazard reduction 3. Jan NEMCIK: Modelling Dynamic Fracture Mechanisms and Rock/Coal Bursts 4. Kai-Xing WANG: Energy conversion and transfer in block rock media in the propagation process of dynamic stress	
3:40 – 4:00 PM	Afternoon Tea
4:00 – 5:40 PM	Technical Session IV – Chair: Dr. Xu-Wei LI
1. Yi-Yu LU: TBA 2. Yun-Liang TAN: Monitoring, preventing and controlling rock burst in deep coal mines 3. Ya-Jie WANG, Li TAN, <i>et al</i> : Five- dimensional condition design principle of energy release and absorption for high-stress 4. Tao-Tao DU: TBA	
6:00 PM	Departure of Delegates
6:30 PM	Dinner for Delegates Leaving the Next Day

