



FINAL PROGRAM

THE 2nd INTERNATIONAL SYMPOSIUM ON FUTURE SAFETY SCIENCE AND TECHNOLOGY

CONGRESS CENTER PARKHOTEL PLZEŇ, U BORSKÉHO PARKU 31, 301 00 PLZEŇ, CZECH REPUBLIC

17 – 18 OCTOBER 2019

THEME	CHAIRMAN
GENERAL CHALLENGES, EDUCATION	Kavalíř, Petr
MBS MODELS	Ruan, Jesse
FEM MODELS	Deb, Anindya
DESIGN AND MODELLING TOOLS	Galvanetto, Ugo
SCENARIOS, STATISTICS	Lan, Fenchong
ROUND TABLE DISCUSSION	Barbat, Saeed

CONTACT

EVENTS@NTC.ZCU.CZ

FROM	TO	WEDNESDAY 16 OCT	VENUE	-
19:00	19:30	REGISTRATION	CONGRESS CENTER PARKHOTEL PLZEŇ U BORSKÉHO PARKU 31 301 00 PLZEŇ, CZECH REPUBLIC	-
19:30	20:00			
20:00	20:30	WELCOME RECEPTION		
20:30	21:00			

THURSDAY 17 OCT		TITLE	SPEAKER	CHAIR
08:30	09:00	OPENING CEREMONY	Hynčík, Luděk (Vice-Rector for Research and Development, University of West Bohemia) Vozobule, Michal (Deputy Mayor for Transport and the Environment, City of Pilsen) Han, Cangqiong (Science and Technology Counsellor, Embassy of the People's Republic of China, Czech Republic)	Kavalíř, Petr
09:00	09:30	HEAD TRAUMA BIOMECHANICS	Willinger, Remy et al.	Deb, Anindya
09:30	10:00	THE IMPORTANCE OF SOFT TISSUE MODELLING FOR ANALYSING FUTURE SEATING POSITIONS WITH FE HBMS	Peldschus, Steffen	
10:00	10:30	DIGITAL HUMAN BODY MODELING: A PRIORITY TO ADDRESS FUTURE VEHICLE SAFETY CHALLENGES	Barbat, Saeed	
10:30	11:00	COFFEE BREAK	-	-
11:00	11:30	HEAD INJURY PROTECTION BY DESIGN	Ruan, Jesse	Galvanetto, Ugo
11:30	12:00	CRASH SAFETY DESIGN OF FUTURE LIGHTWEIGHT VEHICLES	Deb, Anindya	
12:00	12:30	VIRTUAL ASSESSMENT OF NEW SAFETY SYSTEMS FOR FUTURE MOBILITY MODES	Špička, Jan et al.	
12:30	13:00	LUNCH	-	-
13:00	13:30			
13:30	14:00	VIRTUAL HUMAN MODEL FOR ASSESSMENT OF FUTURE MOBILITY SAFETY	Vychytil, Jan	Ruan, Jesse
14:00	14:30	VIRTUAL HUMAN MODEL SAFETY IN NON-COMMON SEATING CONFIGURATIONS OF AUTONOMOUS VEHICLES	Talimian, Abbas et al.	
14:30	15:00	ANTHROPOMETRY INFLUENCE ON THE REAL PTW ACCIDENT OUTCOMES - NUMERICAL STUDY	Bońkowski, Tomasz et al.	
15:00	15:30	COFFEE BREAK	-	
15:30	16:00	INCREASING AUTOMOTIVE SYSTEMS SAFETY BY SOFTWARE ANSYS	Fajtl, Radek et al.	Galvanetto, Ugo
16:00	16:30	SPECIFICS OF (VIRTUAL) DEVELOPMENT IN THE FIELD OF E-MOBILITY	Beneš, Karel	
16:30	17:00	SIMULATION APPLICATION IN BIOMECHANICS AND CRASHES	Kuklík, Martin et al.	
17:00	17:30	PANEL DISCUSSION	Cui, Shihai; Deb, Anindya; Galvanetto, Ugo; Gierczycka, Donata; Hynčík, Luděk; Korabečný, Jan; Lan, Fenchong; Li, Haiyan; Peldschus, Steffen; Ruan, Jesse, Vychytil, Jan, Willinger, Rémy; Wismans, Jac	Saeed, Barbat
17:30	18:00			
18:00	18:30	BREAK	-	-
18:30	19:00	DINNER	-	-
19:00	19:30			
19:30	20:00	BREAK	-	-
20:00	20:30	CONCERT	Hilscherová, Lucie mezzo-soprano	-
20:30	21:00			

FRIDAY 18 OCT		TITLE	SPEAKER	CHAIR
08:30	09:00	-	-	-
09:00	09:30	ADVANCE DRIVER ASSISTANCE SYSTEMS - ANALYSIS OF COLLISION SCENARIOS	Rulc, Vojtěch et al.	Galvanetto, Ugo
09:30	10:00	IN-DEPTH INVESTIGATION OF ROAD TRAFFIC ACCIDENTS AND ANALYSIS OF HUMAN DAMAGE OF PASSENGERS AND PEDESTRIANS IN CHINA	Lan, Fengchong	
10:00	10:30	NEW TRENDS IN THE DESIGN OF PROTECTIVE EQUIPMENT FOR MOTORCYCLISTS	Galvanetto, Ugo	
10:30	11:00	COFFEE BREAK	-	-
11:00	11:30	EFFECT OF OBESITY ON THORACIC AND ABDOMINAL INJURY BIOMECHANICAL RESPONSE OF CHILD OCCUPANT	Cui, Shihai et al.	Deb, Anindya
11:30	12:00	THE IMPORTANCE OF TISSUE MODELING FOR INJURY PREDICTION WITH HUMAN BODY MODELS	Gierczycka, Donata	
12:00	12:30	WHOLE BODY FINITE ELEMENTS MODEL OF SIX-YEAR-OLD CHILDREN WITH ACCURATE ANATOMICAL CHARACTERISTICS FOR SIMULATING ACCIDENT	Li, Haiyan	
12:30	13:00	LUNCH	-	-
13:00	13:30			
13:30	14:00	FUTURE MOBILITY CHALLENGES AND THEIR REFLECTION IN THE EDUCATION SYSTEM	Hynčík Luděk	Kavalíř, Petr
14:00	14:30	UPCOMING FUTURE	Korabečný, Jan	
14:30	15:00	GLOBAL CHALLENGES FOR ROAD SAFETY TILL 2030	Wismans, Jac	
15:00	15:30	COFFEE BREAK	-	
15:30	16:00	USING VIRTUAL TESTING FOR SAFETY CERTIFICATIONS: CHALLENGES, CURRENT SOLUTIONS AND PERSPECTIVES	Culiere, Pierre	Hynčík, Luděk
16:00	16:30			
16:30	17:00			
17:00	17:30	FAREWELL DRINK	-	-
17:30	18:00			
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