



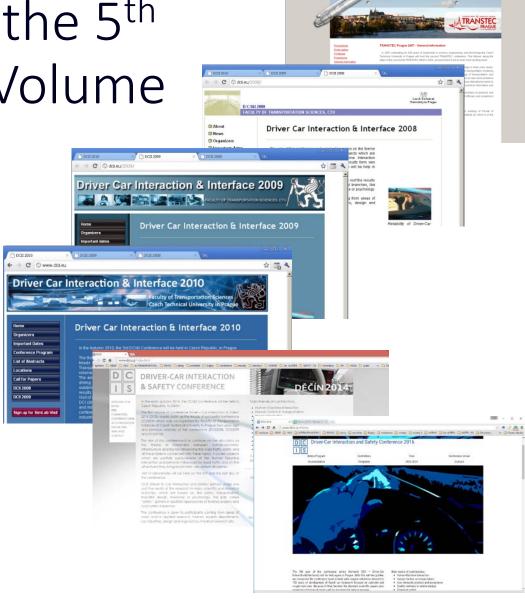
Driver-car Interaction and Safety Conference 16-17th June 2016, Prague

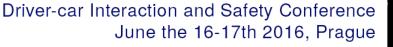
Petr Bouchner (conference chair)

Faculty of Transportation Sciences,
Czech Technical University in Prague

Invitation to the 5th Conference Volume

- Transtec 2007
 - 13.-15.9.2007 Prague
- DCI&I 2008
 - 17.-18.2008 Prague
- DCI&I 2009
 - 2.-3.11.2009 Prague
- DCI&I 2010
 - 2.-3.12.2010 Prague
- DCI&S 2014
 - 10.-12.2014 Děčín
- DCI&S 2016
 - 16.-17.6.2016 Prague







Organization and Scientific Committee

Organisation

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doc. Ing. Machan Jaroslav, CSc. (Škoda Auto, a.s.)
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prof. Drs. Dr. L.J.M. Rothkrantz (Delft University of Technology, NL)
doc. Ing. Ivo Drahotský, Ph.D. (Jan Perner Transport Faculty, University of Pardubice, CZ)
prof. Ing. Alicia Kalašová, CSc. (University of Žilina, SK)
prof. Ing. Mgr. Zlatko V. Sovreski, Ph.D. & Ph.D. (University St. Kliment Ohridski, Bitola, MK)

Driver-car Interaction and Safety Conference



Organizer

- Czech Technical University in Prague Faculty of Transportation Sciences
- Driving Simulation Research Group
- Realization of the conference was supported by SVK grant by Czech Technical University in Prague, Nr.SVK 47/16/F6.



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Conference Structure

- Main themes of contributions:
 - Human-Machine Interaction
 - Human factors in transportation
 - Neuro-informatics
 - Informatics and Computer sciences
 - Interactive Simulations and Virtual Reality
 - Data analysis and data mining
 - Transportation science
 - Analysis of traffic accidents
 - Road safety inspection
 - Education and training
- Presentation Days + Posters + Virtual
- E-Proceedings
- Combined with exhibition Grand opening!











Conference Program

			Thursda	y, June 16		
09:						
00	25		Registration		Conference chair associate prof.Bouchner	
09:	10: 00		Morning snack			
	10:		WOTTING SHACK			
00	10		Grand Opening		Session chair associate prof.Radová	
10:	10:					
10	45	1	Mirko Novák	FTS CTU / ICS ASCR	DRIVER ATTENTION AND DRIVING SAFETY	
					CROSS-STUDY RESEARCH ON UTILITY AND VALIDITY	
45	11: 10	2	Michal Matowicky	FTS CTU	OF DRIVING SIMULATOR FOR DRIVER BEHAVIOR ANALYSIS	
.5	10	_	iviiciiai iviacoviiciky		LIBRARY OF MATHEMATICAL TRANSFORMS OVER	
11:	11:		Sergey	Russian Academy of	ALGORITHMS OF SPECTRAL-ANALYTICAL DATA	
10	35	3	Makhortykh	Sciences	PROCESSING	
	12:			T. D. 16	A DIGITAL CAD DONES ASSISTANT	
35	00 12:	4	Leon Rothkrantz William	TU Delft	A DIGITAL CAR DRIVER ASSISTANT DEVELOPMENT OF AN ELECTRIC BICYCLE FOR A	
00	25	5	Deleenheer	KULeuven	SHARING SYSTEM IN PRAGUE	
	13:		D Ciccinice:	NO LEGITORI	S.W.IIIII G. S.	
25	30		Lunch		Session chair prof.Votruba	
					SIMULATION OF ELECTRIC AND HYBRID VEHICLES IN A VEHICLE SIMULATOR BASED ON A DETAILED	
13:	13: 55	,	Dmitriy Rozhdestvenskiy	RICARDO / FTS CTU	PHYSICAL MODEL, FOR THE PURPOSE OF HMI EVALUATION	
	14:	0	Roznidestvenskiy	RICARDO / FIS CIO	MODEL CAR TRANSPORT SYSTEM - MODERN ITS	
55	20	7	Karel Bouchner	FTS CTU	EDUCATION TOOL	
					SPECIALIZED VIDEO-PLAYER FOR ANALYSES OF	
	14:				RECORDED COMPLEX DATA OBTAINED FROM	
20	45	8	Zdeněk Barnet	FTS CTU	FLOATING CARS	
14: 45	15: 10	q	Tomáš Jizba	FTS CTU	INFLUENCE OF HMI ERGONOMY ON DRIVERS IN AREA OF COOPERATIVE SYSTEMS	
	15:		1011103 31200	113010	AREA OF COOF ENAMINE STOTEMS	
10	35		Cofee break		Session chair Dr.Derbek	
					AUTOMATIC GENERATION OF ROAD	
15:					INFRASTRUCTURE IN 3D FOR IMPLEMENTATION ON	
35	00	10	Adam Orlický	FTS CTU	CAR SIMULATORS	
16:	16: 25	11	Alina Mashko	FTS CTU	ASSESSMENT OF DRIVER FATIGUE WITH SUBJECTIVE METHODS	
	16:	-11	,a masino		CORRELATION ANALYSIS OF VEHICLE FRONTAL	
25	50	12	Josef Mik	FTS CTU	IMPACT PARAMETERS	
1 1	17:				Artificial neural network for models of human	
50	15	13	Martin Růžek	CIIRC CTU	operator	
17:	18:		Dostov socior			
15	00 Poster session					
	and Traditional sweet pie break					

			Friday	, June 17	
08:3 0	08:5 0		Registration		Session chair associate prof.Bouchner
08:5 0	09:1 5	14	Arnošt Matlafus	KPM CONSULT	SAFETY INCREASING ON TRANSPORT INFRASTRUCTURE CRITICAL POINTS FOR PUBLIC TRANSPORT AND HEAVY GOOD VEHICLES
09:1 5	09:4 0		Evzen Thoendel	Pragolet s.r.o.	Interactive Motion Platforms and Virtual Reality for Vehicle Simulators
09:4 0	10:0 5		Michal Nehasil	FTS CTU	MOTOSTUDENT 2016 COMPETITION
10:0 5	12:3 0		Exhibition Grand Ope	ninng + Lunch	Vedoucí sekce Dr. Mík
12:3 0	13:0		Jiří First (Jan Novotný)	FD ČVUT	DĚJEPIS BEZPEČNOSTI SILNIČNÍCH VOZIDEL
13:0 5	13:4 0		Zdeněk Říha	FD ČVUT	KREATIVNÍ DESTRUKCE V POČÁTCÍCH AUTOMOBILISMU
13:4 0	14:1 5	CZ3	Karel Jičínský	-	Josef Voříšek a karosérie automobilů Aero
14:1 5	14:5 0	CZ4	Jaroslav Větvička	WEDesign	Biodesign - Biodynamika, patenty přírody jako inspirace pro další tisíciletí
14:5 0	15:1 5	CZ5	Martin Farář	BESIP MDČR	Historie osvěty bezpečnosti na silnicích
5	15:4 0	_	reserved		
15:4 0	16:0 5		reserved		
			Poste	r session	
		1	Boris Kucherov	University of Technology, Russia	HUMAN-MACHINE INTERACTION IN SOLVING TASKS OF THE PLANNING DEPARTMENT
		2	Martin Holub	FEL CTU	MICROSLEEPS AND THEIR DETECTION FROM THE BIOLOGICAL SIGNALS
		3	Lucie Zýkova	FTS CTU	DRIVER'S ATTENTION EVALUATION USING NON-LINEAR DATA ANALYSIS
		4	Dragos Datcu	TU Delft	AFFECTIVE COMPUTING AND AUGMENTED REALITY FOR CAR DRIVING SIMULATORS
		5	Zlatko Sovretski	University "St. Climent Ohridski" in Bitola	TRAFFIC ACCIDENT HAPPENED ON 01.02.2013, A ROUD 22.00 PM IN RADOVISH, STR. "ST. SPASO RADOVISKI" BEFORE LTS "INTERPLAST" AND EMPLOYMENT BUREAU RADOVISH
		6	Kairatolla Abishev	S.Toraigyrov Pavlodar State University	THE QUESTION OF THE USE OF INTELLIGENT TRANSPORT ROAD TRANSPORT IN KAZAKHSTAN
		7	Hana Pechová	FME CTU	INVESTIGATION OF THE METAL MATERIALS FROM THE TERMS CARBON FOOTPRINT AND LOGISTICS OF TRANSPORT
		8	Inga Chudjaková, Jar. Tobiška	ŠKODA-AUTO	QFD EXAMPLE IN INTERACTION WITH HMI
		9	Libor Topol	-	RISKY DRIVER BEHAVIOR BEHIND THE WHEEL
		10	Václav Jirkovsky	FTS CTU	STORED DATA HELPS TO PROPOSE NEW TRACKS
			Vaclav Matousek	ZCU Plzen	ROBOTIC SYSTEM FOR AUTOMATED AND RAPID VEHICLE INSPECTION

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Contributions

- Sessions
 - Regular sessions
 - Poster session
- Contributions 31
 - CZ, NL, BE, RU, KZ, MA
 - 16 Presentations
 - 4 Czech presentaions
 - 11 Posters
- Breaks
 - Breakfast
 - Lunch
 - Famous pie session
 - Lunch and social evet at the Exhibition



Enjoy DCI&S 2016!

- Do not forget to attend exhibition "Czech Cabrio and Coupé"
- Do not miss opportunity to see Grand Opening 17th from 10 o'clock
- Remember the paper due in September
- In case of questions use:
 - dcis@fd.cvut.cz
 - (bouchner@fd.cvut.cz)

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