31st ICTCT Conference in Porto, Portugal on 25th – 26th October 2018

On the track of future urban mobility: safety, human factors and technology

24th October
1900 Welcome Reception / Registration

25th October
0800 Registration
0900 Welcome: Stijn Daniels, President of ICTCT
Cristina Pimentel, Porto City Councillor for Transports (to be confirmed)
João Falcão e Cunha, Dean of FEUP

AUTOMATED DRIVING
Chair: António Couto
0930 An incremental approach to study driver-vehicle interaction in the context of progressive automation, António Lobo
0950 The deployment of automated vehicles in urban environments: traffic strategies in a safety perspective, Lígia Conceição
1010 Recognition on trigger condition of autonomous braking system, Yasuhiro Mimura
1030 Influencing factors on the acceptance of Advanced Rider Assistance Systems (ARAS), Lukas Hartwig
1050 Identifying Shortcomings in Autonomous Vehicles Technologies, Eduardo Ribeiro Neto Marques
1110 Road safety in an uncertain technological future, Filipe Moura
1130 Break

KEY NOTE SPEECH
Chair: Sara Ferreira
1200 Panagiotis Papantoniou, National Technical University of Athens
1245 Lunch break

POSTER SESSION I
1400 Chair: Nicole Muhlrad

SAFETY IMPACTS
Chair: Harry Lahrmann
1530 A controlled trial to allow motorcycles on bus lanes in Tel-Aviv: an assessment of mobility and safety impacts, Victoria Gitelman
1550 Safety of mobility scooters: lessons learned from in-depth accident investigations, Ragnhild Davidsen
1610 A comprehensive and unified framework for analysing the impacts on road safety of measures influencing speed, Rune Elvik
1930 Conference Dinner (cruise boarding time)

26th October
0830 Registration

ACCIDENTS AND PREVENTION
Chair: Elisabette Freitas
0900 The severity of pedestrian crashes in Lisbon, Carlos Roque
0920 Driver visibility assessment on urban crossing environments based on point clouds, Lucía Díaz-Vilarinho
0940 Estimating the potential of warning system, which prevents road accidents at pedestrian crossings, Juri Ess

POSTER SESSION II
1000 Chair: Aliaksei Laureshyn
1100 Break

POLICIES AND IMPLEMENTATIONS
Chair: Juri Ess
1130 Road safety benchmarking in Dutch municipalities: theoretical framework, implementation and webtool, Charlotte Bax
1150 A foresight exercise into urban mobility, Nicole Mulhird
1210 Spatiotemporal Variation of Bicycling Collision and Injury in Berlin: Implications for Local Transport Policy Making, Rafael M. Medeiros
1230 Can an experience with no car use change a future mode choice behaviour?, Matus Sucha
1250 Lunch break

SURROGATE SAFETY MEASURES
Chair: Christine Chaloupka
1430 Comparison of two nearness-to-collision surrogate indicators at a signalized intersection in Minsk using Extreme Value Theory, Attila Borsos
1450 Evaluation of Surrogate measures of safety for vulnerable road users- results and lessons from InDeV project, Aliaksei Laureshyn
1510 Framework for analysing cyclist safety per movement: Case study at discontinuity locations along the cycling facility, Matin Nabavi Niaki
1530 Contribution of a Novel Speed Reduction Equipment to Promote Road Safety, Francisco Duarte
1550 Safety effects of traffic calming on roads through villages: proactive evaluation using GPS data, Mariusz Kiec
1610 Parameters and statistical modeling for comparison of simulated and observed traffic conflicts. A case study on 2+1 road sections, Carmelo D’Agostino
1630 Break

NATURALISTIC DRIVING
Chair: Carlos Roque
1700 Using naturalistic driving data to evaluate speed limit reductions: energy, environmental and safety assessment, Patricia Baptista
1720 Using naturalistic driving data to model crash risk at a city level, Marta Faria
1740 Quantitative analysis of rear-end crashes and near crashes in a commercial fleet in Shanghai, Giulio Bianchi Piccinini
1800 Closure
2000 Social event

27th October
0900 ICTCT General Assembly
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<td>I.2 Using data from a smartphone app to analyse distraction and drowsiness of drivers, Sara Ferreira</td>
<td>II.2 Exploratory study of motorcyclists’ risky behavior at an unsignalised intersection using the Swedish Traffic Conflict Technique, Noor Azreena Kamaluddin</td>
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<td>II.4 Can micro-simulation help in getting better exposure measures?, Carmelo D’Agostino</td>
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<td>II.5 The “go-along” approach to study the relationship between the environment and residents of Brasilia, Caroline Machado</td>
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<td>I.8 The relative impact of cyclists’ appearance and infrastructure layout on speed and lateral distance while overtaking bicyclists: a simulator approach, Anja Katharina Huemer</td>
<td>II.8 Analysing the relationship between freeway flow parameters and safety, through the functional form of a crash prediction model. The case of run-off-road crashes, Carlos Roque</td>
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<td>I.9 Exploring cyclist behavior at signalized crossing: perspective of cyclist-pedestrian conflict analysis, Ming-Yi Tseng</td>
<td>II.9 Identification of potential relationships between road safety and design and operation of roadside elements, Carlos Roque</td>
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<td>II.10 Incremental and disruptive innovations in the modal cycle: an incentive factor for sustainable mobility?, Cristiano Magno</td>
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<td>I.11 The perception of the operational efficiency, by the user of the collective transportation of the metropolitan system of public transport network of the metropolitan region of Goiânia, Goiás, Brazil, Roberto Carlos Sousa</td>
<td>II.11 Sustainable mobility for irregular settlements, Estéfanny Mendonça</td>
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<td>I.12 Home-school travel: a path analysis of factors underlying the choices of the Italian parents, Natalia Distefano</td>
<td>II.12 Proposition of mitigating measures to minimize the impacts implaced by a travel generator pole of church type: a case study in Goiânia, Goiás, Brazil, Kelvies Vinicius Souza</td>
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<td>I.13 Using real-time information to improve Emergency Medical Service response: A vehicle dispatching analysis, Marco Amorim</td>
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<td>I.15 Road crashes and meteorological conditions in Porto, Portugal: An analysis with lagged effects, António Lobo</td>
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Conference Site:

Faculdade de Engenharia da Universidade do Porto
R. Dr. Roberto Frias, s/n
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Further information about the conference at: [www.fe.up.pt/ictct2018](http://www.fe.up.pt/ictct2018)

For any questions please get in contact with

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General information on ICTCT, proceedings of the last workshops, members, member-organisations etc.: [www.ictct.org](http://www.ictct.org)

The workshop will be organised in close co-operation with the Research Centre for Territory, Transports and Environment of the Faculty of Engineering of the University of Porto ([www.fe.up.pt](http://www.fe.up.pt)) in Porto, Portugal.