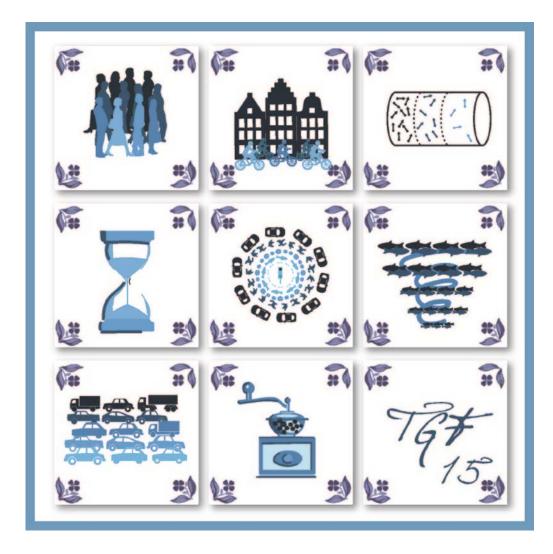
Programme of Conference on Traffic and Granular Flow '15



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18.30 Dinner at Conference Hotel	15.00 15.20 16.10	A queueing model based on individual social attitudes Gerta Köster and Benedikt Zönnchen How do people queue – a study of different queuing models Angelika Kneidl The relationship between a waiting crowd and the average service time Oliver Handel and André Borrmann 'How do we wait?' – Fundamentals, characteristics, and modelling implications Michael Seitz, Stefan Seer, Silvia Klettner, Oliver Handel and Gerta Köster Coffee break Poster Session Session 4A Jeroen van den Heuvel Steady state of pedestrian flow in bottleneck Weichen Liao, Antoine Tordeux, Mohcine Chraibi, Armin Seyfried, Xiaoping Zheng and Ying Zhao Statistical models for pedestrian behaviour in front of bottlenecks Nikolai Bode and Edward Codling Dynamic of congestion in pedestrian traffic Verena Ziemer and Armin Seyfried	Impact of synchronized flow in oversaturated city traffic on energy efficiency of conventional and electrical vehicles Peter Hemmerle, Micha Koller, Gerhard Hermanns, Michael Schreckenberg, Hubert Rehborn and Boris Kerner Evaluation of transportation network resilience using adaptive capacity Suhyung Yoo and Hwasoo Yeo Network-wide mesoscopic traffic state estimation based on a variational formulation of the LWR model Yufei Yuan, Aurélien Duret and Hans van Lint Route choice behaviour in a three roads scenario Dominik Wegerle and Michael Schreckenberg Session 4B Yuki Sugiyama Calibrating the local and platoon dynamics of car-following models on the reconstructed NGSIM data Valentina Kurtc and Martin Treiber Scaling from circuit experiment to real traffic based on optimal velocity model Akihiro Nakayama, Macoto Kikuchi, Akihiro Shibata, Yuki Sugiyama, Shin-ichi Tadaki and Satoshi Yukawa Traffic flow optimization at sags by controlling the acceleration of some vehicles Bernat Goñi Ros, Victor Knoop, Kenichi Kitahama, Bart van Arem and Serge Hoogendoorn Multimodal traffic on networks with information
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	Friday October 30	
08.30	Coffee	
09.00	The self-organised dynamics of shape and internal structure	
	of flocks of starlings	
	Keynote talk by Prof. Charlotte Hemelrijk	
09.50	Session 8A Jian Ma	Session 8B Reinhard Mahnke
	A macroscopic loading model for dynamic, multi-directional	Two-channel partially coupled exclusion process with mutually
	and congested pedestrian flows	interactive langmuir kinetics
	Flurin Hänseler, William Lam, Michel Bierlaire, Riccardo	Arvind Kumar Gupta
	Scarinci and Gael Lederrey	
	Collision-free first order model for pedestrian dynamics	Transcription on crowded DNA
	Antoine Tordeux, Mohchine Chraibi and Armin Seyfried	Aafke van den Berg and Martin Depken
	A finite element simulation of high density pedestrian flow	Moving without a leader – the benefits of swarming
	Rebekka Axthelm	Ruben van Drongelen and Timon Idema
10.50	Coffeebreak	
11.10	Session 9A Christian Rogsch	Session 9B Peter Hemmerle
	Oppilatio – The forecast of crowd congestions on street	Fractal analysis of empirical and simulated traffic time series
	networks during public events	Thomas Zaksek and Michael Schreckenberg
	Daniel Biedermann, Peter Kielar and André Borrmann	
	Simulations-based forecasts of crowd flows at major events	Physical mechanism for the occurrence of wide-scattering in
	using real-time measurements	Traffic Cellular Automata (TCA) Models
	Thomas Matyus, Stefan Seer and Helmut Schromfeiertag	Wei Luang Quek and Lock Yue Chew
	Level of safety concept for major events	Effective Modelling of traffic dynamics: classification and
	Stefan Holl, Maik Boltes and Armin Seyfried	unification
		Bo Yang and Christopher Monterola
	Brazilian legislation and the Boate Kiss tragedy –	Empirical verification of microscopic traffic models from the
	computational modelling of evacuation	detailed acceleration patterns
	Henrique Braga, Gray Moita and Paulo Almeida	Bo Yang, Jiwei Yoon and Christopher Monterola
12.30	Closing	
12.45	Farewell lunch	
13.45	End	

Posters	
Computing and visualization of pedestrians	
PedVis – Pedestrian flow visualizations	Arne Scheuermann, Jimmy Schmid, Nicolo Bernasconi, Judith Buehling and Michael Flueckiger
Distributed computing in crowd dynamics simulation systems	Robert Lubas, Jakub Porzycki and Jarosław Waş
Facing needs and requirements of crowd modelling: towards a dedicated computer vision tooltest	Sultan Khan, Giuseppe Vizzari and Stefania Bandini
Modelling pedestrians	
Simulation of crowd in the corridor of Ziara in Masjid-e-Nabwi, Madinah	Abdullah Alshehri, Muhammad Arif and Emad Felemban
Simulation of people flow by a fuzzy discrete automate model and an ergonomic approach	Henrique C. Braga, Gray F. Moita and Paulo E.M. Almeida
The inflection point of the speed-density relation and the social force model	Tobias Kretz, Jochen Lohmiller and Johannes Schlaich
Sensitivity of the continuum model regarding pedestrian movement phenomena	Dorine C. Duives, Winnie Daamen and Serge Hoogendoorn
Evacuation behaviour	
Method for simulating the evacuation behaviours of people in dynamically changing situations	Toshinori Niwa, Rintaro Isono and Tomoichi Takahashi
Efficacy of evacuation time estimation framework for total pedestrian evacuation derived from agent based model on queuing network and volunteered geographic information for UK cities	Bharat Kunwar, Filippo Simini and Anders Johansson
Modelling pedestrian evacuation movement in a swaying ship	Juan Chan, Jian Ma and Lo Siuming
Empirical pedestrian data and measurements	
Estimation of density levels in the holy mosque from a network of cameras	Yasir S. Ali, Basim Zafar and Mohammed Simsim
Method for measuring pedestrian density with low computational costs and high resolution	Maria Davidich
Individual microscopic results of bottleneck experiments	Marek Bukáček, Pavel Hrabák and Milan Krbálek
Understanding the pedestrian group behaviour in normal conditions	Lakshmi Devi Vanumu, Kalaga Ramachandra Rao and Geetam Tiwari
Traffic control	
Traffic phase dependent fuel consumption	Micha Koller, Peter Hemmerle, Hubert Rehborn, Boris Kerner and Stefan Kaufmann
Examining perimeter gating of urban traffic networks with locally adaptive traffic signals	Vikash Gayah, Xueyu Gao, Mehdi Keyvan Ekbatani and Victor Knoop
A comparison of tram priority at signalized intersections in Melbourne	Lele Zhang, Timothy M. Garoni and Somayeh Shiri
Macroscopic modelling of heterogeneous traffic flow using area occupancy	Hari Krishna Gaddam and Kalaga Ramachandra Rao
Empirical data for vehicular traffic	
Bifurcation analysis of experimentally accessible car-following model	Akiyasu Tomoeda, Tomoyuki Miyaji and Kota Ikeda
Lane changing and speed interaction on freeways: an analytical microscopic study	Mehdi Keyvan-Ekbatani, Vincent Grebert, Winnie Daamen and Victor L. Knoop
Discrete simulation and capacity	
Estimation of discretized motion of pedestrians by the decision-making model	Pavel Hrabák and Ondřej Ticháček
Discrete phenomena-based multi-scale traffic flow modelling	Mahtab Joueiai, Hans van Lint and Serge Hoogendoorn
Traffic capacity estimation method of a waterway intersection	Xavier Bellsolà Olba, Winnie Daamen, Tiedo Vellinga and Serge P. Hoogendoorn
Granular flow to a blast iron ore furnace – influence of the particle size distribution on segregation of the mixture	Dingena Schott, Carmen Molhoek, Wouter Vreeburg and Gabriel Lodewijks