

Netherlands Operations Management and Logistics Conference 2020

Program - Thursday 26 March 2020

10.30-11.00	Registration		
11.00-11.15	Opening by Ivo Adan – Scientific director research school Beta		<i>Room: St Janzaal</i>
11.15-12.15	Keynote presentation ‘Logistics innovations in the context of the Physical Internet’ by Prof. Iris Vis (Rijksuniversiteit Groningen)		<i>Room: St Janzaal</i>
12.15-13.30	Lunch		
13.30-15.00	Session 1: <u>Production Scheduling and Container Transport</u> Chair: Rob van der Mei <i>Room: St Janzaal</i>	Session 2: <u>Data Analytics</u> Chair: Sandjai Bhulai <i>Room: Angola zaal</i>	Session 3: <u>Robotic Systems</u> Chair: Ivo Adan <i>Room: Congo zaal</i>
	Joost Berkhout (VU & CWI) Production scheduling in an industry 4.0 era	Bernard Zweers (CWI) Combining relocation and pre-processing moves in container terminal operations	Alexandros Pasparakis (EUR) Human and robot collaboration in warehouses
	Irina Chiscop (TNO & TUD) A robust optimization approach to synchromodal container transportation	Jesper Slik (VU) Transaction-driven mobility analysis for travel mode choices	Dennis Schol (TU/e) Large fork-join networks with nearly deterministic service times
	Rie Brammer Larsen (TUD) Real-time synchromodal transport planning	Jaap Storm (VU) A diffusion-based analysis of a multi-class road traffic network	Masoud Mirzaei (TU/e) Correlated dispersed storage assignment in robotic warehouses
15.00-15.30	Break & check in		
15.30-17.00	Session 4: <u>Advances in Retail Operations</u> Chair: Renzo Akkerman <i>Room: St Janzaal</i>	Session 5: <u>New OM Research Areas</u> Chair: Robert Boute <i>Room: Angola zaal</i>	Session 6: <u>Maintenance & after sales service supply chains</u> Chair: Matthieu v.d. Heijden <i>Room: Congo zaal</i>
	Niels Agatz (EUR) Simultaneous customer interaction in online booking systems for attended home delivery	Claudio Ciancio (VU) Supervised learning techniques for anomaly detection and predictive maintenance for reefer containers	Sena Eruguz (EUR) Operational spare parts planning for service control towers
	Rene Haijema (WUR) Exploiting product substitution in replenishment to reduce food waste	Joren Gijsbrechts (KU Leuven) Deep reinforcement learning – Closing the gap towards implementation in practice	Berry Gerrits (UT) Operational planning in service control towers – heuristics and case study
	Nevin Mutlu (TU/e) Offering memories to sell goods? Pricing and welfare implications of experiential retail	Willem van Jaarsveld (TU/e) Reinforcement learning in logistics: Optimizing transshipments in dynamic spare parts networks	Douniel Lamghari-Idrissi (TU/e) Reducing risks in spare parts service contracts with extreme long-down constraints
17.00-17.30	Break & postersession		
17.30-18.15	Keynote presentation ‘Large Scale Last Mile Operations: Trends, Challenges, Opportunities and Innovation’ by Julian Pachon (Amazon)		<i>Room: St Janzaal</i>
18.15-18.30	Break		
18.30-21.00	Conference dinner		

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7.00-9.00	Breakfast		
9.00-10.00	Workshop 1: <u>'Making you and your research visible'</u> by Prof. Jan Fransoo (Kuehne Logistics University)	Workshop 2: <u>'Don't take it personal! Critical advice for your personal grant'</u> by Prof. Caspar Chorus (Delft University)	
10.00-11.00	Break & poster session		
11.00-12.00	Keynote presentation <u>'Optimization Challenges and Opportunities in the Gig Economy'</u> by Prof. Martin Savelsbergh (Georgia Tech) <i>Room: St Janzaal</i>		
12.00-13.00	Lunch – last possibility for voting for poster prize		
13.00-14.30	Session 7: <u>Health Care Operations</u> Chair: Cynthia Kong <i>Room: St Janzaal</i>	Session 8: <u>Synchromodal Transport</u> Chair: Bart Wiegman <i>Room: Angola zaal</i>	Session 9: <u>Smart Warehousing</u> Chair: René de Koster <i>Room: Congo zaal</i>
	Harwin de Vries (EUR) Frequency determination policies for mobile family planning delivery	Stefano Fazi (RUG) A simulation study on the applicability of overbooking strategies in inland container transport	Kees Jan Roodbergen (RUG) The average tour length in warehouses
	Nico Vandaele (KU Leuven) Vaccine supply chain design	Kristel Alons-Hoen (Fontys) The current state of synchro-modality: an application of a synchro-modality maturity model on case studies	Sarah Vanheusden (UHasselt) Increasing the practical applicability of order picking planning
	Bruno Vieira (Antoni van Leeuwenhoek Hospital) Logistics optimization of the radiotherapy treatment	Prince Singh (UT) Situation modeling for synchro-modality transport	Ivo Adan (TU/e) Manual order picking in a warehouse
14.30-15.30	Keynote presentation <u>'Managing Global Supply Chains in the Industry 4.0 Era'</u> by Prof. Christopher Tang (UCLA) <i>Room: St Janzaal</i>		
15.30	Poster award ceremony Closing by Bert van Wee – Scientific director research school TRAIL Closing drink		