

International Conference on Smart Cycling

Preliminary programme

March 25th: International Conference on Smart Cycling

Location U-park hotel University Twente (NL)

09:00-10:00	Registration and coffee		
10:00-11:00 Plenary session	<ul style="list-style-type: none"> • Welcome by moderator Kevin Mayne • Short Q&A with <ul style="list-style-type: none"> ○ Marc Teutelink, Vice-mayor for Mobility and Digitalisation of the City of Enschede ○ Martijn Dadema, Deputy of Province of Overijssel ○ Representative from POLIS ○ Representative from industry (TBC) • Introduction to MegaBITS by Ronald Jorna, project manager of the MegaBITS project • Key note by Frauke Behrendt, Associate Professor in Transitions to Sustainable Mobility at the Technology, Innovation and Society Group at the Eindhoven University of Technology 		
11:00-11:30	Coffee break		
11:30-12:30 Break out round 1	1A: Lessons from MegaBITS implementations <i>Session lead:</i> Pontus Wallgren (Chalmers University) <i>Content:</i> First Felix Hendriksson (Chalmers) will present the key evaluation results. This will be followed by a panel discussion with the MegaBITS flagship partners from Province of Antwerp, Province of Overijssel, Hamburg, Copenhagen and Le Havre Seine Métropole.	1B: A cookbook for Floating Bike Data (FBD) <i>Session lead:</i> Pieter Morlion (imec) <i>Content:</i> Presentation of the FBD cookbook, share experience of use cases from MegaBITS pilots and outlook on the future use of FBD. Speakers: <ul style="list-style-type: none"> • Sofie De Lancker (imec): Floating Bicycle Data cookbook 	1C: Cycling Technologies (NECTAR session 1) <i>Session lead:</i> Karst Geurs (University of Twente) Speakers: <ul style="list-style-type: none"> • Marco Dozza (Chalmers): Toward intoxication detection systems for micromobility • Florian Michahelles (TU Wien): Advanced cycling assistance systems

		<ul style="list-style-type: none"> • Jørgen Wanscher (Hermes Traffic Intelligence): The FBD ecosystem from a service provider perspective • Per-Arno Plötz (City of Hamburg): Quality analysis of floating bicycle data in Hamburg • Charlie Wilson (See.sense): The FBD ecosystem from a hardware provider perspective 	
12:30-13:30	Lunch break		
13:30-14:30 Break out round 2	<p>2A: Workshop: training the cycling & ITS reflex</p> <p><i>Session lead:</i> Robin Kleine and Veronique Rietman (Mobycon)</p> <p><i>Content:</i> A workshop to explore Cycling Data and ITS solutions for better decision-making. The goal is to discover, compare and prioritise smart cycling solutions in a way that is both fun and useful. We will do that by:</p> <ul style="list-style-type: none"> • Playing a quartet game to familiarize participants with a broad range of ITS solutions • Working on a matrix exercise to debate the impact and feasibility of different ITS solutions on an earlier defined policy goal 	<p>2B: Data-driven mobility/cycling policy</p> <p><i>Session lead:</i> Christina Mose, City of Copenhagen</p> <p><i>Content:</i> Exploring how bicycle data is used to support bicycle policies. We will examine both well-known data sources such as stationary traffic counts, but also new data sources as FBD. What new data is needed to support future cycling initiatives?</p> <p>Introductory pitches from:</p> <ul style="list-style-type: none"> • Kim Jacobsen (FINDRS) • Jakob Bülow Find (City of Copenhagen) • Steven Soetens (Province of Antwerp) <p>Followed by a panel discussion.</p>	<p>2C: Crash Risk Detection & Safety Analytics (NECTAR session 2)</p> <p><i>Session lead:</i> Baran Ulak (University of Twente)</p> <p>Speakers:</p> <ul style="list-style-type: none"> • Georgios Kapousizis, Jörg Ehlers, Alvaro Garcia-Hernandez (RWTH Aachen University): Identifying high-risk cycling locations using smartphone data • Gemma Schepers, Menno Mimpfen, Mirelle Peters*, Paul Schepers, Henk Schravemade, Teun Kok (National Access Point Mobility Data/NDW): Collecting (near)crash data for cycling
14:30-14:45	Coffee break		
14:45-15:45 Break out round 3	3A: F35: the smart cycling corridor	3B: Data sharing in Europe (harmonization/standardization)	3C: Smart Cycling Data and Monitoring (NECTAR session 3)

	<p><i>Session lead:</i> Wim Dijkstra and Renske Graafland (Province of Overijssel)</p> <p><i>Content:</i> This session focuses on the future potential of the F35 Smart Cycling Corridor in Overijssel. The emphasis is on showcasing possible market applications that could transform the cycling experience along the F35 and its first- and last-mile connections. The goal is to inspire participants by presenting what is already possible in the cycling world and what could still be implemented. The MegaBITS pilots will serve as illustrative examples, but the main discussion will center on innovative concepts and opportunities for the future. Visuals will include a map of the F35, photos of existing interventions, and design concepts for upcoming possibilities.</p>	<p><i>Session lead:</i> Mirelle Peters (NDW)</p> <p><i>Content:</i> Introductory pitches of the topic</p> <ul style="list-style-type: none"> • Aleksander Buczynski (ECF): Standardization of cycling data in the NAPCORE project • Casper van Gheluwen (imec): Cycle Data Space • Stephanie Kleine (Ministry of the Environment, Nature and Transport of North Rhine-Westphalia): Roadmap for smart cycling: data recommendations, VERKKO, NAPCORE • Laurent Guennoc (Eco-counter): The role of private sector data providers <p>Followed by a panel discussion</p>	<p><i>Session lead:</i> Ahmed El-Geneidy (McGill University)</p> <p><i>Speakers:</i></p> <ul style="list-style-type: none"> • Daniela van Geenen (Siegen University): “Smart cycling” data: between “data critique” and “good enough” data • Deepak Yeleshetty, Yanqui Huang (University of Twente): Secure Data Sharing in Smart Connected Bicycles
15:45-16:15 Wrap up	Interactive wrap-up of the conference, including an outlook on smart cycling		
16.15-17.00	<p>Post-conference drink</p> <p><i>During the drink it will be possible to try the test-bike(s) of the University of Twente.</i></p>		