International Cycling Conference 2017, Programme* Tuesday – 19.09.17, part 1

Moderation: Prof. Dr.-Ing. Regine Gerike (Technical University Dresden)

09:00 – 09:30  Arrival & Registration

09:30 – 10:30  Opening Ceremony

Rita Schwarzelühr-Sutter (Parliamentary State Secretary of Federal Ministry for the Environment, Nature Conservation, Building and Nuclear Safety (BMUB), Germany)
Maria Krautzberger (President of German Environment Agency (UBA))
Dr. Peter Kurz (Mayor of Mannheim)

Keynote

Prof. Dr. Lucia Reisch (Copenhagen Business School)

10:30 – 11:00  International Mosaic I

Moderation:
Manfred Neun (President of European Cyclicts' Federation (ECF) and Heike Bunte (UBA))

Prof. Dr. Lake Sagaris (Pontifico Catholic University of Chile)
Dr. Anvita Arora (Innovative Transport Solutions, India)
Amanda Ngabirano Aziidah (Urban and Regional Planner, Lecturer at Makerere University Kampala, Uganda)
Alejandra Leal (Co-Director of Cèntrico, Mexico)
Prof. Dr. Ana Santos (Lisbon University, Portugal)
Prof. Dr. Jason Chang (National Taiwan University)

11:00 – 11:30  Coffee break

11:30 – 13:00  Session 1:

A1: Rethinking Infrastructure

Session Chair:
Prof. Dr. John Parkin, University of the West of England

Cycling 4.0 – A new era of urban cycling
Tilman Bracher, German Institute of Urban Affairs (Difu), Germany

Gaps between the links: Understanding required changes to the fragmented cycling facilities in the developing world context
Prof. Marianne Vanderschuren, University of Cape Town, South Africa

Barriers and facilitators to cycling in European cities: A comparative case study of cycling in London and Amsterdam
Qi Sun, Radboud University Nijmegen, Netherlands

Mapping the quality of regions for cycling
Dr. Martin Goossen, Wageningen University & Research, Netherlands

Ten years of cycle highways
Rico Andriesse, Goudappel Coffeng, Netherlands

A critical approach to the recent cycling infrastructure design standards and guidelines in Greece
Dr. Efthimios Bakogiannis, National Technical University of Athens, Greece

B1: Attitudes, Behaviour and Choice

Session Chair:
tba

Socio-spatial determinants of preference for the active transport modes – Evidence from the Croatian travel behaviour survey
Dr. Geran-Marko Miletić, Ivo Pilar Institute of Social Sciences, Croatia

A survey proposal to analyze cycling routes
Juan Ospina, Universidad Nacional de Colombia, Colombia

Attitudes of multimodal citizens towards policy measures to restrict car-traffic in favor of sustainable modes of transport
Lisa Ruhrot, Department of User Centred Mobility Solutions, InnoZ, Germany

Cyclists’ perceived aggression from car drivers on road interactions: Paris and Berlin comparison
Carolina Martinez Tabares, French Institute of Science and Technology for Transport, Development and Networks, France

Revealed preference route choice model for cyclists in Kharkiv, Ukraine
Olena Chernyshova, Kharkiv National Automobile and Highway University, Ukraine

The state of the art in assessing bicycle travel demand in relation to the surrounding route environment
Ilil Beyer Bartana, German Aerospace Center, Germany

Cycling behavior and the role of bicycles for daily travel in Germany
Dr. Clotilde Minster, Karlsruhe Institute of Technology (KIT), Germany

C1: Health and Active Mobility

Session Chair:
Dr. Audrey de Nazelle, Imperial College London

Walkability in Essen – Testing measurement and assessment methods on macro and micro scale
Dr. Minh-Chau Tran, University of Duisburg-Essen, Germany

Austrian master plan for walking
Nikolaus Ibesich, Environment Agency Austria, Austria

Developing a score to assess the policy environment for cycling and walking promotion in cities – Results of a feasibility study
Dr. Sonja Kahlmeier, University of Zurich, Switzerland

The go-active randomized controlled trial – An interdisciplinary study designed to investigate the health effects of active commuting and leisure time physical activity
Mads Rosenkilde, University of Copenhagen, Denmark

Overall health impacts of a potential increase in active commuting in Stockholm, Sweden
Johan Sommar, Umeå University, Sweden

Active transport and subjective general health: Roles of mental health, social support and physical activity
Ione Avila-Palencia, ISGlobal, Centre for Research in Environmental Epidemiology (CREAL), Spain

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**International Cycling Conference 2017, Programme**

**Tuesday – 19.09.17, part 2**

**13:00 – 14:00**

**Lunch break**

**14:00 – 15:30**

**Session 2:**

**A2: Designing Future Infrastructure**

**Session Chair:**
Prof Dr. José Carlos Mota, University of Aveiro, Portugal

- **Pedalling into a driverless world: Opportunities and threats**
  Prof. Dr. John Parkin, University of the West of England, United Kingdom

- **How to become a cycling city?**
  Anne Abbing, University of Groningen, Netherlands

- **Integrated design of safe cycling networks**
  Maurits Lopes Cardozo, Bike-minded & AltaGO-Europe, Netherlands

- **Supporting Latin America’s first bicycle avenue in Bogotá**
  Sarah Schneider, Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ), Colombia

- **Benefit evaluation of transportation switching model - A case study for motorcycle to bicycle in Taipei**
  Wan-yu Lee, National Taiwan University, Taiwan

- **GPS-data tracks from smartphone applications - A useful support for bicycle infrastructure planning?**
  Angela Francke, Technische Universität Dresden, Germany

**B2: Policy and Strategies**

**Session Chair:**
Francesca Racioppi, World Health Organization (WHO)

- **Impact evaluation of cycling measures – Exploring the state-of-practice in German municipalities**
  Julia Gerlach, Technische Universität Dresden, Germany

- **The role of governance and planning in the delivery of major cycling infrastructure in London**
  Brian Deegan, Transport for London, United Kingdom

- **Spinning our wheels? moving from advocacy to policy to practice in the South African bicycling landscape**
  Gail Jennings, University of Cape Town, South Africa

- **CicloviaSP: Promoting a sustainable bicycle program in São Paulo city**
  José Evaldo Gonçalo, Transportation Secretary of São Paulo, Brazil

- **The complexities of a biking transition in a car dependent city: Evidence from Kuala Lumpur**
  Roya Shokoohi, Hanze University of Applied Sciences Groningen, Netherlands

**C2: Mobility Cultures and Education**

**Session Chair:**
Jakob Baum, Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ)

- **Social practices and the importance of context**
  Dr. Peter Cox, University of Chester, United Kingdom

- **CicloviaRio – Active citizenship towards a city and region with more bicycles**
  Rui Igreja, CicloviaRio, Portugal

- **The Brazilian way of promoting bicycle planning: Results of the bicycle in the plans campaign**
  João Paulo Amaral, Associação Bike Anjo, Brazil

- **Cyclist-related content in driver licensing processes**
  Dr. Jennifer Bonham, University of Adelaide, Australia

- **Best-practice recommendations for safe cycling education from a traffic-psychological and traffic-pedagogical point of view**
  Bettina Schützhofer, sicher unterwegs – Verkehrspsychologische Untersuchungen GmbH, Austria

- **The bicycle as teaching object for the training of technical and soft skills in university education. A practitioner's report from the interdisciplinary teaching project „Kompass“ at Mannheim University of Applied Sciences**
  Matthias Bandtel, Mannheim University of Applied Sciences, Germany

- **Bike uses over three generations**
  Prof. Dr. Ana Santos, University of Lisbon, Portugal

**15:30 – 16:00**

**Coffee break**

**16:00 – 16:30**

**Poster-Session**

**16:30 – 17:15**

**International Mosaic II**

**18:30 – 22:00**

**Evening reception hosted by the City of Mannheim**

*The programme is preliminary.*
09:00 – 09:30  Arrival & Registration

09:30 – 11:15  Keynote
Christophe Najdovski (Deputy Mayor of Paris responsible for transport)

PASTA coordinator
What PASTA stands for: Physical Activity through Sustainable Transport Approaches

DG Research
Active mobility in the European research agenda

Questions & Answers

Bertha-Carl-Benz Award winner
F.K. Day (Founder and CEO of World Bicycle Relief)

11:15 – 11:30  Coffee break

11:30 – 13:00  Session 3:


PASTA revolution: Making Active Mobility part of daily life
What motivates Europeans to opt for an active commute?
Cycling or walking in European Cities: Is it good for our health?
Questions & Answers

B3: Economic Benefits of Cycling
Session Chair:
Holger Haubold, ECF

FLOW – Cycling as a means of reducing urban congestion
Bonnie Fenton, Rupprecht Consult, Netherlands

Who is in? An exploration of the participants in the German campaign "Mit dem Rad zur Arbeit" (‘Cycling to work’)
Bernhard Schrauth, Friedrich-Alexander-University Erlangen-Nuremberg, Germany

Cycling as a job creation mechanism
Dr. Ian Skinner, Transport an Environmental Policy Research, United Kingdom

Fietsen Op Zuid – Promoting cycling on rotterdam’s south bank as a means for socioeconomic development
Chris Roorda, Erasmus University Rotterdam, Netherlands

Sustainable urban goods delivery in Rio de Janeiro: Cycle logistics in nine commercial centres
Jonas Xaver Hagen, Columbia University, United States

Economic factor bicycle
Stephan Kritzinger, Prognos AG

C3: Digital and Data
Session Chair:
Prof. Dr. Daniela Nicklas, University of Bamberg

Cycling and the built environment: An evaluation of bicycle suitability indicators with actual route choices
Raymond Pritchard, Norwegian University of Science and Technology, Norway

DataCycle – the Irish Cycleway Maintenance Management System
Bidisha Ghosh, Trinity College Dublin, Ireland

Supporting bicycle monitoring from civil society: The example of Bogota’s bicycle account
Carlosfelipe Pardo, Despacio.org, Colombia

From people to people – The self-benefit of crowdsourced cycling data as part of the european cycling challenge
Giuseppe Liguori, SRM, Reti e Mobilità, Italy

Reading’s EMPOWER Project as a take up city: Incentivising new people to cycle instead of driving using a smartphone app and other ICT
Marian Marsh, Reading Borough Council, United Kingdom

Moving towards happiness? Understanding travel moods through twitter data in Turin
Giulia Melis, SiTI – Higher Institute on Territorial Systems for Innovation, Italy

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### Session 4:

**A4: PASTA. Walk it. Bike it. Live it.**
- **Changing trends: Bringing PASTA to our cities**
- Promoting safe walking and cycling to improve public health
- Health-onomics of cycling and walking – the “new Health Economic Assessment Tool-HEAT”
  - Voices from the PASTA cities: the experience of policy makers

**Questions & Answers**

**B4: Safety (Workshop)**
- **Accident analysis and comparison of bicycles and pedelecs**
  - Dr. Tina Gehlert, German Insurers Accident Research, Germany
- **Loving or hating bike paths? Why do some cyclist prefer separation and some cycling in mixed traffic?**
  - Prof. Dr. Carmen Hagemeister, TU Dresden, Germany
- **Cyclists’ red light running – Influence of bicycle type under different conditions**
  - Dr. Katja Schleinitz, TU Chemnitz, Germany
- **New road regulations for cyclists at traffic lights – What is the safety impact?**
  - Thomas Jouannot, Cerema, National Center For Studies and Expertise on Risks, Environment, Mobility, and Urban and Country planning, France
- **Coordinated traffic signals for cyclists on main bike routes**
  - Denise Kramer, TU Berlin, Germany

**C4: Bike-Sharing, Electric Bikes and Intermodality**
- **Session Chair:** Parvesh Kumar Sharawat, Innovative Transport Solutions (iTrans)
  - **Evaluating cargobike sharing’s potential for sustainable mobility: Early adopters’ characteristics and user behavior**
    - Clemens Rudolf, University of Stuttgart, Germany
  - **Clean transport for a clean city – applications of electric cargo bikes in city cleaning (TRASHH)**
    - Dr. Christian Rudolph, German Aerospace Center (DLR), Germany
  - **Bicimad: madrid public bike system, experiences and future steps**
    - Sergio Fernández Balaguer, Madrid Public Transport Company (EMT Madrid), Spain
  - **The economic and social efficiency of bike sharing systems in French cities**
    - Haingotiana Rajaonah, Université des Sciences et Technologies, Lille1, France
  - **E-bikes for new citizens in Munich: Insights into determinants and barriers of e-bike use and ownership**
    - Ruth Blanck, Oeko-Institut e.V., Germany
  - **Can electric bikes empower future mobility solutions?**
    - Dr. Amy Guo, Newcastle University, United Kingdom
  - **Equity of access to bike-and-ride trips in the city of Malmö**
    - Zahra Hamidi, Malmö University, Sweden
  - **Analyzing the potential of bike & ride to improve suburban access to the city center: a case study of Seville**
    - Ricardo Marqués, Universidad de Sevilla, Spain

### Breaks

**Lunch break**
- 13:00 – 14:00

**Coffee break**
- 15:30 – 16:00

### Conclusion of the day
- 16:00 – 17:00
- **PASTA recipes for healthy cities**
- **International Mosaic III**

**Keynote**
- Manfred Neun, President ECF

**Bike Excursions**
- 17:00 – 18:00

**Evening reception: Bertha-Carl-Benz Award**
- 18:30 – 22:00

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## THE PEP Relay Race, 21.09.2017 at the International Cycling Conference in Mannheim

Cycling and walking make THE Link – Transport, Health and Environment

Moderator: Franklin Apfel

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<td>Lothar Quast (Deputy Mayor of Mannheim) and representative of the city of Vladivostok, Russia</td>
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<td>Linking the International Cycling Conference, PASTA and THE PEP – Lessons from the last two days</td>
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<td>10:00 – 12:00</td>
<td>Session I: Developing Cycling Policy</td>
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<td>Birgitta Worringen (Head of Directorate “Sustainable Mobility, Energy, Logistics”, Federal Ministry of Transport and Digital Infrastructure, Germany)</td>
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<td>Pan European Master Plan of Cycling (Sylvie Banoun, France and Robert Thaler, Austria)</td>
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<td>Short Break</td>
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<td>Developing Cycling Policy in “Starter-”, “Climber-” and “Champion-Countries: Interview with representatives from Azerbaijan, Serbia and Denmark</td>
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<td>Developing Cycling Policy at the International Level: Synergy with the European Union (enquired)</td>
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<td>Economic Benefits of Cycling Tourism (Alexander Stedtfeld, Federal Ministry for Economic Affairs and Energy, Germany)</td>
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<td>Session II: Environment and Urban Mobility</td>
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<td>Dr. Norbert Salomon (Head of Directorate IG I “Immission Control, Safety of Installations and Transport”, Federal Ministry for the Environment, Nature Conservation, Building and Nuclear Safety, Germany)</td>
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<td>“Reverse Innovation: Rethinking urban transport through global learning” (Dr. Harry Lehmann, German Environment Agency)</td>
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<td>Planning for sustainable transport policies – Assessing CO2-Emissions (George G. Georgiadis, UNECE)</td>
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<td>Fishbowl Conversation</td>
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<td>14:30 – 14:50</td>
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<td>Session III: Health and Active Mobility</td>
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<td>Dr. Ute Winkler (Head of Division, Federal Ministry of Health, Germany)</td>
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<td>Active Mobility in Ukraine: National and Local Perspective (Olena Chernyshova, Ukraine: Board member of “Ukrainian Cycling Network” and Board Member of the NGO “Urban Reforms”)</td>
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<td>The new HEAT-Health Economic Assessment Tool (WHO): interactive demonstration with the audience; Dr. Nick Cavill (tbc)</td>
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<td>Fishbowl Conversation</td>
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<td>16:15 – 16:30</td>
<td>Closing Session</td>
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<td>Summing and Farewell: Mannheim, UBA, WHO/UNECE</td>
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<td>17:00</td>
<td>Bike Excursion to Heidelberg (tbc)</td>
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A CRITICAL APPROACH TO THE RECENT CYCLING INFRASTRUCTURE DESIGN STANDARDS AND GUIDELINES IN GREECE

Bakogiannis, E., Siti, M., Kyriakidis, C.

Cycling has been ubiquitous in European communities for decades, thus bicycle is treated as equal to the automobile, with the same or even more freedoms for its movement. Cycling infrastructure are devoted to cyclists when technically feasible or shared with other users where conditions and the local culture allows it. Cycle lanes and tracks are developed according to the geometrical characteristics of the existing network, traffic volumes, speeds etc, while following specific design standards in most cases.

Given the narrowness of the Greek street network and the non-constant width of traffic lanes and pavement spaces, as well the degradation of public space due to the dominance of the automobile, cycling was only lately added to the public urban discourse as a decent alternative to cars and a fair supplement to walking and public transportation.

Until 2016, the development of cycling infrastructure was based on ministerial guidelines, European design standards and Greek experts’ publications. Today, as the first specifications for configuring bicycle infrastructure in Greek streets have been issued from the Ministry of Transportation, the discussion is focused on how these design standards will manage to ‘fit’ the bicycle in the choked Greek streets. Although it seems that the standards aim to promote further the use of bicycles in daily commuting- by making a fair redistribution of the road space- reality opposes to the current and future implementation of infrastructure.

This paper aims to critically explore the issued standards and correlate them to the urban street environment in Greece. At first the analysis is comparing other European countries’ standards (France, Scotland, Belgium etc.) with the Greek regarding the methodology of producing a cycling network and cycle infrastructure geometrical characteristics. Secondly, the paper presents the critical concerning points in regard to the issued Greek standards, indicating cities and road networks that could be predominantly excluded from introducing cycling infrastructure, and thus only allowed to create shared spaces where cars and bikes share the pavement. A special section explains the difficulties of introducing cycling in such car-centric communities and how ‘strict’ and not adaptable and dynamic regulations could cease further its development.

Keywords: cycling design standards, cycling infrastructure, Greece, car-centric communities