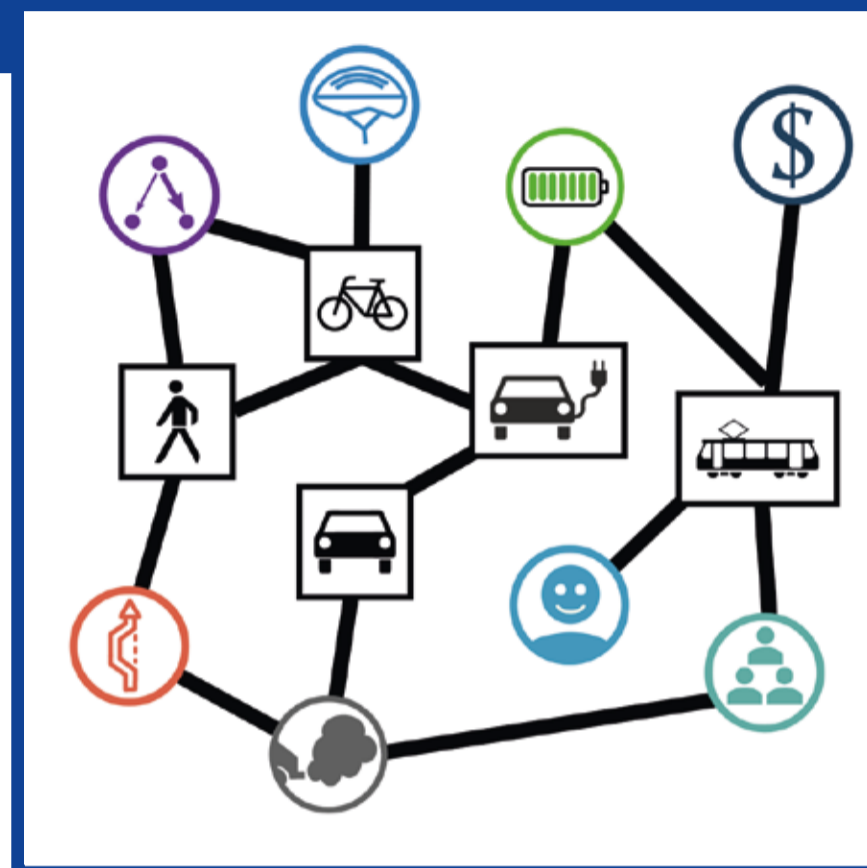


Physics and Collective Dynamics of Future Mobility

International Focus Workshop 9 - 11 March 2022

Human mobility and transport in urban and rural areas fundamentally underlie all aspects of modern societies. We aim at consolidating interdisciplinary quantitative research on understanding collective transport dynamics to tackle current challenges of sustainable transport, striving to connect theoretical concepts to practical applications.



Topics:

- human mobility
- sustainable transport
- ride-sharing
- mobility-as-a-service
- collective traffic dynamics
- evolution of cities
- urban vs. rural mobility
- data acquisition
- game theory
- platform economics
- electric vehicles
- bikeability

We plan for a **hybrid workshop** with a number of participants on-site and the others connected via video conference.

For accepted participants, online attendance will be possible in any case. The organizers will decide and inform about an option of on-site attendance at a later stage.

Invited speakers:

Laura Alessandretti (DK)
 Kay W. Axhausen (CH)
 Hugo Barbosa (UK)
 Riccardo Gallotti (IT)
 Gourab Ghoshal (US)
 Marta C. Gonzalez (US)
 Thomas Guhr (DE)
 David Levinson (AU)
 Debsankha Manik (DE)
 Paolo Santi (IT)
 Andreas Schadschneider (DE)
 Michael Schreckenberg (DE)
 Filippo Simini (UK & US)
 Tom Storme (BE)
 Michael Szell (DK)
 Dorothea Wagner (DE)

Scientific coordinators:

Marc Barthelemy
 Saclay, France
 Christian Sommer
 San Jose, USA
 Marc Timme
 Dresden, Germany

Organisation:

Katrin Lantsch
 MPIPKS Dresden

Applications received before 10 February 2022 are considered preferentially.

Applications are welcome and should be made by using the application form on the event's web page. The number of attendees is limited. The registration fee for the international focus workshop is 140 Euro and should be paid by all on-site participants. (No fee for remote participation.) Costs for accommodation and meals for on-site participants will be covered by the Max Planck Institute. Limited funding is available to partially cover travel expenses.

For further information please contact:

Visitors Program – Katrin Lantsch
 MPI for the Physics of Complex Systems
 Nöthnitzer Str. 38, D-01187 Dresden
 phone: +49-351-871-1931
 fax: +49-351-871-2199
 phymo22@pks.mpg.de
 www.pks.mpg.de/phymo22/