

## IMDC

The Intelligent Mobility Design Centre (IMDC) leads research at the intersection of people, mobility and technology within a complex and changing urban and global environment. Established from a renowned centre of excellence in automotive design, the IMDC's mission is to create a new mobile future for social, environmental and economic good through design and research. The IMDC is an interdisciplinary centre exploring, experimenting, prototyping and evaluating new mobility and automotive transitions via the synthesis of design and research methods. It integrates design and technology with insights into people and the social, environmental and economic context to enable a 360 view on the design of future mobility.

# MOBILITY METAMORPHOSIS



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**CROSS-COLLEGE SYMPOSIUM**

**May 6th 2022 10:00am - 5:30pm**

## How can we transform the paradigms of mobility respecting **nature, people and planet?**

The Mobility Metamorphosis symposium will discuss the possibilities of a just transition in urban mobility, the cultural, technological, societal, ethical and aesthetical drivers of change which should inform the future designs for autonomous, shared, and sustainable mobility.

It brings together researchers on architecture, city, mobility, technology and environment to address the need of cross-disciplinary collaboration to develop mobility solutions.

### AUTONOMOUS

Autonomous mobility will radically change our role in the transportation systems and our relationship with technology and artificial intelligence. Moreover, this will impact the social and urban structures, and incite ethical, political and ecological debates.

*How can autonomous mobility be beneficial for the cities, people and environment?*

### SHARED

Shared mobility provides an opportunity to rethink the right to the city, the concepts of public and private. At the same time, it requires discussion about ownership and accessibility of mobility means, privacy and personal experiences.

*How can shared mobility promote a fair, equitable and inclusive city?*

### SUSTAINABLE

Sustainability requires changes in habits, technology, industry and in the economic model. During the pandemic, we witnessed the return of birds and bikes to the cities, and questioned what kind of environment we want to live in.

*How can sustainability guide a more ecologically and socially just transition in mobility?*

### PLANNING COMMITTEE

Professor Dale Harrow - Chair of the IMDC

Dr Artur Mausbach - Senior Research Fellow IMDC

Dr Cyriel Diels - Deputy Director IMDC

Dr Jon Goodbun - Research, Architecture and Environmental Architecture Tutor

Colin Polwarth - Director of Studio Colin Polwarth

Catherine Chapouton - IMDC

Oliver Bassnett - IMDC



### WELCOME

10:00 | Welcome to IMDC - Dale Harrow & Cyriel Diels

10:15 | Mobility Metamorphosis - Artur Mausbach

### AUTONOMOUS

10:30 | Don't be autonomous! - Daniel Sjöholm - Einride

10:45 | The future of mobility through the eye of innovation: The death of mobility design innovation Innovation in Design - Casey Hyun - Incheon National University

11:00 | The Ethics of Autonomy - Laura Ferrarello - RCA

11:15 | Autonomous vehicles, the built environment and associated semiotics - Colin Polwarth - RCA

11:30 | Road Safety and the Vulnerable Road User - Orla Fahey - RCA

11:45 | Automated Automobility as a Public Service: The Road to a Just Transition - Stephanie Sherman & Julian Siravo - Autonomy

12:00 | Round Table - How can autonomous mobility be beneficial for the cities, people and environment? Mediators Stephen Boyd-Davis and Jon Goodbun. L Ferrarello, S Sherman, J Siravo, C Polwath, O Fahey. C Huyn.

### SHARED

13:30 | Tandem - Tatseng Chiam - Tandem

13:45 | Is the city a commons? Implications for mobility - Roberto Rocco - TU Delft

14:00 | Joyful Journeys: shared mobility? - Luke Harmer - Loughborough University

14:15 | Transport and Mobility in Sao Paulo City - Katia Canova - Quapa USP

14:30 | Sharing for All: Creating Inclusive Shared Mobility - Robin Severs - RCA

14:45 | Round Table: How can shared mobility promote a fair, equitable and inclusive city? A Ahlava, L Harmer, R Rocco, R Severs, K Canova, J Woo, J Goodbun, A Mausbach

### SUSTAINABLE

15:30 | Sustainable transformation by Design - Lizete Druka - Volvo

15:45 | Sustainable Mobility Poiesis - Antti Ahlava

16:00 | Our Future Towns, Community Participation in Placemaking and Transport Planning - Dan Phillips - RCA

16:15 | Engaging Design; Nature responses - Robert Phillips - RCA

16:30 | The problem with polymers in cars, a provocation - Charles Morgan - RCA

16:45 | Round Table: How can sustainability guide a more ecologically and socially just transition in mobility? A Ahlava, D Phillips, C Morgan, R Phillips, Mediators: J Goodbun, A Mausbach