

Short Course & Public Lecture on

Traffic Control

Course Overview

Introduction Traffic Control

- Some Basic Notions
- The Regulation Problem
- Optimal Control Strategies
- Optimization Theory
- Heuristics
- Automatic Control Application Procedures
- Overview of Comparable Domains

Introduction Freeway Traffic Control

- Ramp Metering
- Link Control
- Route Information and Guidance
- Case Studies
- Integrated Freeway Network Traffic Control
- Merging and Mainstream Traffic Control

Introduction Road Traffic Control

- Isolated Intersection Control
- Fixed-Time Coordinated Control
- Coordinated Real-Time Strategies
- Public Transport Priority
- Parking Control Systems
- Integrated Urban-Freeway Traffic Control

Lecturer:

Prof. Dr. Markos Papageorgiou

General information

Date:

25.11. from 9:00 to 15:30

26.11. from 9:00 to 15:30

(public lecture from 16:00 to 17:30)

27.11. from 9:00 to 13:00

Location:

Niedersächsisches Forschungszentrum

Fahrzeugtechnik (NFF Forschungsneubau)

Hermann-Blenk-Str. 42

38108 Braunschweig

Language:

English

Participants:

Attendance is for free for students, PhD students and employees of TU Braunschweig, TU Clausthal and LU Hannover

Information:

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Registration:

via mail until November 13th (a.thiele@tu-bs.de)

Public lecture

November 26th from 16:00 to 17:30

“Freeway traffic management in the era of Vehicle Automation and Communication Systems (VACS)”