

IN-PERSON TRAINING 

BUS PLANNING AND SCHEDULING

19 > 21 SEPTEMBER 2023
KARLSRUHE, GERMANY

Join UITP Academy and our training partners, TechnologieRegion Karlsruhe, for a 3-day training programme focused on Bus Planning and Scheduling. This comprehensive course will explore innovative processes and technologies, to help you improve the planning and operations of your urban bus networks.



HERE'S WHAT YOU WILL LEARN

- Learn how to adapt to the new normal of running a successful and efficient Bus Network
- Plan and execute bus operations for customer service excellence and resource optimisation
- Tap into UITP's international expertise and local host on-the-ground experience
- Present and discuss benchmarks and best practices, regionally and globally
- Capitalise on cross-learning opportunities and a conducive platform for networking and interaction with your peers

WHO IS IT FOR?

- Staff from Bus transport operators or authorities responsible for planning and scheduling
- Staff from the bus sector involved in the market uptake in this area: ITS companies, software developers and vehicle manufacturers

A TOP LEVEL METHODOLOGY

- Participate in interactive plenary sessions with an introduction by course leaders, presentation by trainers and open discussion with participants
- Challenge your practical knowledge on the effectiveness and quality of your bus planning
- Address topics and issues from an international perspective, enriched by different cultural approaches and points of views

TRAINERS

Our skillful trainers are composed of UITP lecturers and international experts.



Guido BRUGGEMAN
Independent Senior Urban Transport
Consultant



Georg-Maximilian MICHALSKI
Technical Consultant and Trainer, INIT



Mary JOYCE
Personnel & Resource Planning,
Verkehrsbetriebe Karlsruhe GmbH



Rimbert SCHURMANN
Project Manager,
PTV Group



Farnaz TEPPER
Principal Product Manager,
PTV Group



Maxime FISCHER
Transporttechnologie-Consult
Karlsruhe GmbH (TTK)



OUTLINE AGENDA – BUS PLANNING AND SCHEDULING

Day 1, Tuesday, 19th September 2023

- 09.00 Welcome, objective and introduction to the programme
- 09.30 **Session 1:** Introduction to Planning & Scheduling
- 10.30 *Coffee break*
- 11.00 **Session 2:** Bus Network Design and Route Planning: Implications for Operations Planning
- 12.00 *Lunch*
- 13.00 **Session 3:** Timetable design
- 14.30 *Coffee break*
- 15.00 **Case Study**
- 16:00 **Session 4:** Vehicle Planning
- 17.30 *End of the day*

Day 2, Wednesday, 20th September 2023

- 09:00 **Case Study:** Demand-oriented bus network planning
- 10.00 *Coffee break*
- 10:30 **Session 4:** Personnel & Resource Planning
- 11:30 **Session 5:** Execution of Operations: Driver Management
- 12.30 *Lunch*
- 13:30 **Case Study:** Personnel & resource planning from the perspective of the Karlsruhe transport Association
- 15.00 *Coffee break*
- 15:30 **Session 5:** Scheduling & Execution of Operations
- 16.00 **Case Study:** Optimisation of operations with Telematics and Data
- 17.30 *End of the day*

Day 3, Thursday, 21st September 2023

- 09:00 **Session 6:** The Bus Business – Adapting to the New Normal
- 10.00 *Coffee break*
- 10:30 **Session 8:** Role Technology in Advancement of Bus planning and operation
- 12.00 *Lunch*
- 13:00 **Technical visit** – Operations Control Center + Depot
- 16.00 *End of Programme*