Organisational issues

Date:

Saturday, October 20, 2012: 1200-1730hrs
Sunday, October 21, 2012: 0900-1430hrs

Venue:

University of Applied Sciences Technikum Wien

Course fee:

- Regular: € 400,-
- ITS-EduNet members: € 200,-
- **Early Bird Discount of 10%**
  for registration until June 30, 2012
- Students Discount of 50%

This includes:

- Participation in the course programme
- Course material in digital form
- Lunch on October 20 and 21, 2012
- A site visit: Traffic Control Centre ASFINAG
  (Sunday afternoon, optional)

Social events (optional, not included):

- Concert or opera on Saturday evening
  (most likely "Don Giovanni" by W. A. Mozart at the Vienna State Opera)
- Dinner on Saturday after the concert or opera

Fore more information, registration, terms of payment and cancellation policy please consult our website
www.its-edunet.org

Or contact us directly:

Email: office@its-edunet.org
Phone: +49 89 46 13 78 99

ITS-EduNet e.V.
c/o Lehrstuhl für Verkehrstechnik
Technische Universität München
Arcisstr. 21
D-80333 München

Basic information

Our short courses are being provided as activity of the International Training Network ITS-EduNet which aims to improve training and education in ITS and allows a better knowledge-transfer for students as well as for professionals at international level.

The courses will be led by Academic Experts in their respective fields and will address technological, deployment and evaluation issues including best practices and lessons learned. Key issues of safety, sustainability and efficiency will be treated as well as energy issues and e-mobility. The courses are offered in parallel.

The courses are organised by
University of Applied Sciences Technikum Wien (FHTW), Intelligent Transport Systems Division.

The courses take place directly before the ITS World Congress 2012. You can combine these events and simply stay in Vienna for two more days!

We would be happy to welcome you in Vienna!

Univ.-Prof. Dr.-Ing. Fritz Busch
Chairman of ITS-EduNet
Chair of Traffic Engineering and Control, Technische Universität München

FH-Prof. Emil Simeonov
Vice-Chairman of ITS-EduNet
University of Applied Sciences Technikum Wien,
Department of Information Engineering & Security, Intelligent Transport Systems Division

For more information about ITS-EduNet see
www.its-edunet.org

ITS-EduNet
Intelligent Transport Systems Education Network

ITS-EduNet

presents

ITS-Short Courses in Vienna

October 20/21, 2012 –
the weekend before the start
of the ITS World Congress 2012

> Inter-Urban Traffic Management
> Urban Traffic Management
> From Data to Information
> Measuring the Benefits of ITS
> Cooperative Systems

organised by

University of Applied Sciences Technikum Wien
Department of Information Engineering & Security, Intelligent Transport Systems Division

FACHHOCHSCHULE TECHNIKUM WIEN

Benefits

The courses have been designed for

- Practitioners
- Academics
- Local authority officers
- Decision makers
- Industry leaders

who would like to acquire expert knowledge to set the course for future implementations in their area of responsibility. The courses are also open to a limited number of postgraduate students.

Apart from the state-of-the-art presentations, participants will benefit from an active exchange with our international speakers, providing a possibility to establish new contacts in their special area of interest.

Course 1: Inter-Urban Traffic Management

organised by Prof. Martin Fellendorf,
Graz University of Technology, Austria

Contents:

- objectives of Inter Urban Traffic Management
- data sources and data collection
- applied traffic flow theory
- automatic incident detection
- variable message signs for information and control
- ramp metering and managed lanes
- truck management at motorway parking facilities, interurban road user charging,
- case studies including ASFINAG network in Austria, Bavarian and Hessen traffic control centres in Germany
- evaluation of motorway management applications including simulation and field trials

Course 2: Urban Traffic Management

organised by Dr Nick Hounsell,
University of Southampton, UK

Contents:

- UTM data sources, collection and processing
- traffic signal control strategies incl. public transport priority at traffic signals
- real-time travel/traffic information
- Variable Message Signing
- environmental issues
- urban access control
- road user charging,
- parking management
- case studies (Southampton, London, Munich)
- evaluation of UTM applications, including simulation and field trials

Course 3: From Data to Information

organised by Dietrich Leihs PhD, Univ. of Appl. Sc.
Technikum Wien and Kapsch TrafficCom, Austria

Contents:

The courses will address technological and deployment issues including best practices, lessons learned, dos and don'ts.

- traffic data generation including sensors and probe cars
- traffic modelling and simulation
- usage of 3rd party traffic data
- planning of common databases for transport data
- user group needs and user profiles including the topic of ageing
- niche market considerations

Course 4: Measuring the Benefits of ITS

organised by Dr. Marijan Žura,
University of Ljubljana, Slovenia

Contents:

The focus will be on different areas of Intelligent Transport Systems and Services (ITS) – Measuring benefits of ITS for a more concurrent, greener and safer transport sector.
The course will address methods and tools for measuring effects of ITS in the area of

- road traffic management
- payment systems
- public transport
- traffic & travel information
- freight transport
- security & emergency

Course 5: Cooperative Systems

organised by Prof. Fritz Busch,
Technische Universität München, Germany,
and Prof. Bruno dalla Chiara, Politecnico di Torino, Italy

Contents:

Cooperative Systems (vehicles communicate with each other or with the infrastructure), are a hot topic in ITS.

Market introduction of first applications has started, field tests across the world explore technical feasibility and benefits of advanced solutions.

The course will address status, questions of deployment and organisation and include:

- Basic principles (Information transfer, communication, system architectures)
- Worldwide overview
- Functions and application fields
- Deployment (effects, operation, standardisation, policies)