



NEARCTIS-COST TU0702

Joint training school 2010

“Real-Time Road Traffic Monitoring and Control”

Call for participation

9th -10th June 2010

Lausanne, Switzerland

Organised by



**ÉCOLE POLYTECHNIQUE
FÉDÉRALE DE LAUSANNE**



Supported by funding under the Seventh Framework Programme of the European Commission





NEARCTIS & COST-TU0702

[NEARCTIS](#) [A Network of Excellence for Advanced Road Cooperative traffic management in the Information Society] is an Academic Network gathering the main teams working on the field of traffic management and optimisation, with a particular focus on cooperative systems for road traffic optimisation, but it covers a wider scope as it appears that cooperative systems have to be integrated into the whole traffic management systems. NEARCTIS is supported by funding under the Seventh Framework Programme of the European Commission.

[COST – Action TU0702](#) - Real-time Monitoring, Surveillance and Control of Road Networks under Adverse Weather Conditions is cooperation among scientists and researchers across Europe. Its main objective is to better understand the impacts of weather on freeways/motorways as well as on urban networks highway operations and to develop, promote and implement strategies and tools to mitigate those impacts.

Both NEARCTIS and COST promote and facilitate training program for junior and senior members of the participating institution. NEARCTIS and COST Action TU0702 are under the umbrella of transportation engineering. Both these projects have more than 50% of the common participating institutes. Therefore, this joint summer school is designed to optimize the resources and enhance European participation.

Objective of the summer school

The main objective of this training school is to provide an opportunity for young researchers and professionals to acquire knowledge on the basics of road network state estimation, modelling and control and to allow trainees to get insight on possible implications of these basics in their own research and application field.

Topics covered

- ☞ Network state estimation (Kalman Filtering, Particle Filter ...)
- ☞ Traffic modelling and control
- ☞ Multisensor Data fusion
- ☞ Travel demand modelling



Instructors

The school offers full two-days and is delivered by the following well known instructors (in alphabetical order):

- ☞ **[Prof Hans van Lint](#)**: Technical University of Delft, The Netherlands
- ☞ **[Prof. Lawrence A. Klein](#)**: Consultant, US (Author, [Sensor Technologies and Data Requirements for ITS](#))
- ☞ **[Prof. Markos Papageorgiou](#)**: Technical University of Crete, Greece.
- ☞ **[Prof Michael Bell](#)**: Imperial College London, UK
- ☞ **[Dr Mila Mihaylova](#)**: Lancaster University, UK
- ☞ **[Dr Nick Hounsell](#)**: University of Southampton, UK
- ☞ **[Prof. Serge Hoogendoorn](#)**: Technical University of Delft, The Netherlands

Participation and registration

The school is open for all. Interested students should submit the “Registration Form” to ashish.bhaskar@epfl.ch **no later than 15th May 2010**. The registration (including meals) is free.

Participants within [NEARCTIS](#) and [COST-TU0702](#) consortium can request for travel grant to attend this course. **Applicants for travel grant should register no later than 10th May 2010**. The grants are limited and early applicants will be given preference.

Venue

The training school will take place in [Lausanne, Switzerland](#) from 9th -10th June 2010. It is immediately before the [3rd NEARCTIS workshop](#) (on 11th June, at the same venue). The participants of the training school are encouraged to participate in the workshop.

The courses will be organised in Room [GCB330](#) at [EPFL](#).

Important dates

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| ▪ Request for financial support | 10 th May 2010 |
| ▪ Acceptance for the financial support | 15 th May 2010 |
| ▪ Registration: | 15 th May 2010 |

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