

Real-Time Road Traffic Monitoring and Control

Objectives:

The objectives of this summer school are :

- ☞ 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

Date	Time		Lecturer	Lecture Title
9th June	8:15-8:30	Welcome		
	8:30-9:15	Lecture 1	Hans van Lint	Framework
	9:15-9:30	Break		
	9:30-10:15	Lecture 2		Traffic state estimation (using kalman filtering)
	10:15-10:30	Break		
	10:30-11:15	Lecture 3		
	11:15-11:30	Break		
	11:30-12:15	Lecture 4		
	12:15-14:00	Lunch break		
	14:00-14:45	Lecture 5	Mila Mihaylova	Traffic state estimation (particle filter)
	14:45-15:00	Break		
	15:00-15:45	Lecture 6		
	15:45-16:00	Break		
	16:00-16:45	Lecture 7	Nick Hounsell	Urban traffic control and bus priority
16:45-17:00	Break			
17:00-17:45	Lecture 8			
10th June	8:30-9:15	Lecture 9	Michael Bell	Traffic and transit assignment
	9:15-9:30	Break		
	9:30-10:15	Lecture 10		
	10:15-10:30	Break		
	10:30-11:15	Lecture 11	Lawrence A. Klein	Data fusion
	11:15-11:30	Break		
	11:30-12:15	Lecture 12		
	12:15-14:30	Lunch break		
	14:30-15:15	Lecture 13	Markos Papageorgiou	Freeway traffic control
	15:15-15:30	Break		
	15:30-16:15	Lecture 14		
	16:15-16:30	Break		
	16:30-17:15	Lecture 15		
17:15-17:30	Break			
	17:30-18:00	Answer to students questions		
11th June	9:00-16:00	Workshop "Towards new research area in co-operative traffic management"		