

FUTURAIL

SUMMER SCHOOL ON RAILWAY TRANSPORT AND TECHNOLOGIES

Genoa, 31st August—4th September 2009



FUTURAIL

Summer School on Railway Transport and Technologies
C/O NITEL
Department of Electrical Engineering
Via Opera Pia 11a—16145 Genova—Italy

Tel.: (+39) 0103532741

Fax: (+39) 0103532700

E-mail: fracchia@nitel.com; caserza@die.unige.it; fpanse@fav.de

FUTURAIL -

Job Opportunities for the Railway Community of Tomorrow
7th FRAMEWORK PROGRAMME, THEME [FP7-SST-2007-RTD-1)

Date: 01/07/2009

Programme of the summer school

Time	Topic
31 st August	
9.00 -11.00	Overview of the research activities and innovation on railway system— Manuel Seabra Pereira
11.00—13.00	Innovative solutions for intermodal transport— W. H. Steinicke
14.00—16.00	European Rail Policy— Chris Nash
1 st September	
9.00 -11.00	Overview of railway technologies: evolution of rolling Stocks— Manuel Seabra Pereira
11.00—13.00	Rail infrastructures, interlocking and signalling— M. Meyer Zu Hoerste
14.00 -16.00	Simulation software tool— Manuel Seabra Pereira
16.00—18.00	Testing and LCC strategies for interlocking and signaling infrastructure— M. Meyer Zu Hoerste

Programme of the summer school

Time	Topic
2 nd September	
9.00—11.00	Elements of electrical interoperability – Andrea Mariscotti
11.00—13.00	Environmental aspects— Marina Fracchia
14.00 16.00	The operator’s perspective— C. Spalvieri
3 rd September	Visit in Bombardier
4 th September	
9.00-11.00	The railway industry perspective— Daniel Cadet
11.00—13.00	Strategy and Economic— Daniel Cadet
14.00—16.00	Evaluation – Questionnaire

LOGISTIC AND PARTICIPATION

Students

The summer School is open to 20 students selected according to their CVs included in the registration forms that should be submitted according to the instruction provided in the registration itself. The registration form can be downloaded from the Futurail website.

EURAIL certificate of Attendance and Profit.

Travel

The travel to Genoa is offered by the Railways. A return train ticket will be provided to the students

Accommodation

The Accommodation in Genoa is provided from Sunday 30th August to Saturday 5th September in Genoa University Residence Hall.

All the other costs are not covered.

Contents of the Summer School

The Summer School is intended both for students of the last two years of a Technical University and Ph.D. students, whose research deals with the railway sector.

The aim of the Summer School is to give to the students a complete and exhaustive vision of the multidisciplinary items of the railway research and the perspective of the railway stakeholders.

Lecturers of the summer school

The teachers involved in lecturers during the Summer School are both from research world and from industries. The teachers come from all over Europe and most of them are from Eurnex network of Excellence and they can offer their experience and knowledge for training students in having a wide overview on the railway systems.

The teachers who have given their confirmation in giving lecturers are:

- M. **Pereira**—Instituto Superior Tecnico de Lisboa
- W. **Steinicke**—Eurnex Association
- C. **Nash**—University of Leeds
- M. **Meyer Zu Hoerste**—German Aerospace Center
- A. **Mariscotti**—University of Genova
- M. **Fracchia**—NITEL
- C. **Spalvieri**—RFI
- D. **Cadet**—Alstom