INVITATION

Programme from december 3rd

to december 6th 2009

International Seminar - Workshop on Power Transmission in High Speed Railway Systems Friday December 4th 2009

from 9am to 6pm

POSSIBILITIES OFFERED

TO PARTICIPANTS

Day 1

Thursday december 3rd Arrival Installation at Hotel

Dav 2

Friday december 4th Seminar - Workshop Official dinner at ESIEE-Amiens

Day 3

Saturday december 5th

Morning: visit of The Marguenterre Park, in the Somme Bay Afternoon: visit of Amiens' Cathedral and tour of the city Dinner

Day 4

Sunday december 6th Departure

PRICES*

All duration - Day 1 to 4 :	175€
Day 1 & 2 : Dinner day 1 & Official dinner included	85€
Day 2 only : Official dinner included	65€
Day 2 & 3 :	155€

* without Hotel

ACCESS MAP



By car

From PARIS motorway A16-exit 17 >> AMIENS sud / DURY motorway A1-exit 1 >> ROYE

From LILLE

motorway A1 then A29-towards >> AMIENS centre cross the city centre-always straight

By train

From PARIS 1:10 from «gare du Nord»

From LONDON 2:38 - Eurostar

By plane From airport PARIS-BEAUVAIS-TILLE

From airport LILLE-LESQUIN

From airport PARIS-CHARLES DE GAULLE

www.esiee-amiens.fr

From LILLE

1:21 - Thalys

From BRUSSELS

1:30 from «gare LILLE Flandres»

Power Transmission in High Speed Railways Systems

Keeping Innovations on Track















>> THE INTERNATIONAL **SEMINAR - WORKSHOP**

International Seminar - Workshop on Power Transmission in High Speed Railway Systems

Friday December 4th 2009 from 9am to 6pm

>> PROGRAMME

International Seminar - Workshop on Power Transmission in High Speed Railway Systems

Hansmission in High Speed Kanway Systems			Trans	sinission in riigh Speed Kanway Systems
Key points of this Seminar - Workshop				Chairman of Worksham Session 2 :
	9:00	Welcoming Coffee		Dr Simon WALTERS, University of Brighton
Keeping Innovations on Track			44.00	
n Europe, the railway industry is enjoying steady growth and success; however, the increasing harmonisation, legislation, and required standards of service (such as	9:15	Welcoming Speech by the Chairman of Workshop Session 1 : Dr Roger CESCHI, General Director, ESIEE-Amiens	14:00	Pantograph control by stochastic optimal control Dr R. CESCHI, ESIEE-Amiens, France
higher speed) are bringing new engineering problems.				Real time test rig and hardware-in-the-loop simulation platform for
Electric power collection is essential for the operation of the train, and this relies		Opening Speech* Gilles DEMAILLY - President, Amiens Métropole Claude GEWERC - President, Conseil Régional de Picardie		Dr A. MPANDA, ESIEE-Amiens, France
heavily on the reliable transmission of current between the catenary and the contact strip of the pantograph.		Michel DELBEQ - President, i-Trans	15:00	Characteristics of electromagnetic noises produced by the sliding contact between the catenary and pantograph and impacts on the GSM-R transmissions
	9:45	SNCF Mechanical and Thermal Simulation Tools for Designing		Dr V. DENIAU, INRETS, France
In 2011, as part of the I- Irans pole of competitiveness, ESIEE-Amiens is planning to establish a dynamic test platform, dedicated to current transmission systems for		the Pantograph-Catenary Interface Dr A. BOBILLOT, SNCF, France	15:30	Break
railway applications.				Chairman of Workshop Session 4 : Dr Augustin MPANDA_ESIEE-Amiens
Dynamique et Environnementale de Movens de Capitage Electrique", which means	10:15	Design and testing of innovative pantographs : a general overview Prof B. ALLOTTA & Dr L. PUGI. Università degli Studi di Firenze. Italy		
'dynamic and environmental characterization of techniques for electric transmission'.	10:45	Break	15:45	Modelling pantograph catenary interaction using SIMPACK : EN50318 Test Case Thomas PARTARRIEU, Kevin CROS & François BARRAL, INTEC France SAS
The aim of this project is to carry out experimental tests on the diverse electrical and mechanical sub-systems of the catenary and the pantograph contact strip of high-		Chairman of Workshop Session 2 : Prof Ahmed RACHID, UPJV	16:15	Pantogragh/Catenary Interaction Framework for Intelligent Control, Framework of PACIFIC Project
speed trains.	11:00	The functioning principle of a pantograph and its interface		Dr S. WALTERS, University of Brighton, UK, & Prof. A. RACHID, UPJV, France
During this seminar, we will investigate the operating risks and interactions		with the contact wire Dr Steve CULLINGFORD & Bernard LANGENHAN, Brecknell Willis, UK	16:45	Achievements on contact strip material for high-speed & high-current for electrified railway systems,
between harmonised railway networks and will identify and discuss the problems related to current transmission and to the 'catenary - contact strip - pantograph',	11:30	Simulation models of catenary-pantograph dynamic interaction, Validation and Applications		Framework of INOCAP Project Dr L. CEBULSKI, Carbone Lorraine Applications Electriques, France
Including, but not limited to : wear, overneating, loss of contact and electric arcs.		PIOLA. CARNICERO, ICAI OPCOMILLA, Madrid, Spain	17:15	Round Table
We will then review the development tracks studied and assess the risks for railway	12:00	Assessment quality of contact between pantograph & catenary , Simulation and Validation	17:45	Closing Speech
		Di Salima MANALA Monanimeu LEOOATNI, Alstoni Transport, France		Prof Y. RAVALARD / Prof M. SHAWKY, i-Trans
	12:30	Lunch with the introduction of Bernard MULOT, Lead Project Manager, CLAE - ESIEE-Amiens		Conclusion* Christian MANABLE - President, Conseil Général de la Somme Michel DELPUECH - Préfet
December 4th 2009, Amphitheatre «Jules Verne» at ESIEE-Amiens			20:30	Official Dinner Welcoming Speech by
		*subject to the participation of the speakers		Bernard DESERABLE - President, CCI Amiens and ESIEE-Amiens