



Programme

Energy Efficiency Days 2009



Tours (France)
September 23rd –26th, 2009

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Energy Efficiency Days 2009 Programme Overview



Wednesday 23.09.2009	Thursday 24.09.2009	Friday 25.09.2009	Saturday 26.09.2009
Railenergy Conference	4th UIC Energy Efficiency Conference	TRAINER Final Conference	Excursion to Loire Castles
			
		4th UIC Energy Efficiency Conference – Part II	
		Work shop I Work shop II Work shop III Work shop IV	
		Conclusions Energy Efficiency Days 2009	
			
		Technical Visits	
		Option A : SNCF Maintenance Workshop	
			
		Option B: Faiveley premises	
			

Railenergy Conference

September 23rd, 2009, Tours

1st Day of the Energy Efficiency Days 2009: 23rd September Wednesday: 10h00 – 17h45

09h00 – 10h00	Registration & Welcome Coffee
Welcome to the EED 2009 and Introduction to Railenergy 10h00 – 11h00	Welcome to the Energy Efficiency Days 2009 (Jean GERMAIN, Mayor of Tours) Keynote Speech by Pierre-Etienne GAUTIER, SNCF European Railway Research and Railenergy (Bernhard VON WULLERSTORFF and Helene KÖPF, UNIFE) Moderators: Helene KÖPF (UNIFE) and Enno WIEBE (UIC)
Panel 1 – Energy Efficiency Management 11h00 – 12h00	Railenergy Approach to System Modelling, Simulation and Evaluation (Mads BERGENDORFF, Macroplan) The Key Performance Indicators and the Decision Support Tool (Roland NOLTE, IZT) The Standard Operational Profiles – Specification and Verification of Energy Consumption (Markus Halder, SBB) Questions & Answers
12h00 – 13h45	Networking Lunch + Poster Session
Panel 2 – Innovative Energy Efficient Operation 13h45 – 15h00	Energy Efficient Train Operation – An Overview (Esbjörn ERIKSSON, Transrail) Energy Saving due to Optimized Traffic Flow Management (Markus Meyer, Emkamatik) The GEKKO system – the latest development (Peter BUCHWALD, DSB) Questions & Answers
Panel 3 – Innovative Energy Efficient Trackside 15h00 – 15h40	Analysis on EE for Electric Traction Systems (Claudio SPALVIERI, Luca TRINCA, RFI) Focus on DC reversible Electric Substation (Daniel CORNIC, ALSTOM) Questions & Answers
Panel 4 – Energy Saving On Board 15h40 – 16h15	Basic Storage components and the Re-use of waste heat (Christian LAUSZAT, Bombardier Transportation) On Board Efficient Energy Management (Luigi ACCARDO, AnsaldoBreda) Questions & Answers
16h15 – 17h00	Coffee Break + Discussions + Poster Session
Panel 5 – Innovative Traction Systems 17h00 – 17h45	Medium - Frequency Traction Transformer (Jan WEIGEL, Siemens) Diesel hybrid system with PM-machines and energy storage (Christoph ADAM, Siemens) Superconducting Traction Transformer (Harald SCHMIDT, Siemens) Questions & Answers
Summary 17h45 – 18h00	Summary of the Railenergy Conference End of the Railenergy Conference
20h00 -	Reception at the historic Town Hall of Tours Railenergy Official Dinner (Dress Code: Business Informal)

The Railenergy Conference will be held in English without interpretation!

4th UIC Energy Efficiency Conference

September 24th - 26th 2009, Tours

2nd Day of the Energy Efficiency Days 2009: 24th September (Thursday): 10h00 – 18h30

09h00 – 10h00

Registration & Welcome Coffee

Welcome to the 4th UIC Energy Efficiency Conference
10h00 – 10h40

Welcome Speech (Jean-Pierre LOUBINOUX, General Director, UIC)

Keynote Address from French Ministry for Ecology, Energy, Sustainable Development, and Town and Country Planning - Regional Development (Pierre-Franck CHEVET, General Manager - Energy and Climate)

Welcome from the Host (Dominique VASTEL, SNCF)

Moderator : Henning Schwarz (UIC)

Session 1 – Energy Policies and Communication
10h40 – 12h00

Moderator: Wim Osterwijk (NS)

Climate Change – The global challenge
(Bernard Jamet, UNEP)

Railways – what climate solutions can they offer?
(Libor Lochman, CER)

Global energy perspectives
(François Cuenot, International Energy Agency)

UIC Energy data: a solid base for eco-tools and communication
(Raimondo Orsini, Sustainable Development Foundation)

Session 2 – Panel Discussion Policies
12h00 – 12h45

Helping meet climate targets: how can rail fulfil its environmental potential?
(UNEP, CER, SNCF, Sustainable Development Foundation, IEA)

12h45 – 14h30

Lunch

Session 3 - Metering, Management and Human Factor
14h30 – 16h00

Moderator: Ian Papworth

Regulatory framework for energy metering and billing and implementation at Infrabel (Bart van der Spiegel, Infrabel)

Energy Saving in Company Practice – Case Study 1 (Dominique Vastel, SNCF)

Energy Saving in Company Practice – Case Study 2 (Markus Halder, SBB)

The Human Factor of Ecodriving - The TRAINER Project (Peter Wilbers, SenterNovem)

Session 4 – Panel discussion Metering
16h00 – 16h30

Implementation of metering systems: What is the real benefit? What are the challenges?
(Infrabel, SNCF, SBB, Senternovem, Carlo Fasoli (CENELEC))

16h30 – 17h30

Coffee Break and Poster Presentation

Session 5 - Technology and Procurement
17h30 – 18h15

ECO4 – Value Added Solutions for Energy Friendly Rail Products
(Benoit Gachet, Bombardier)

Procurement of Energy Efficient Rolling Stock – The ÖBB Railjet
(Roman Schmid, ÖBB)

Closing Session
18h15 – 18h30


Conclusion of the day (Ian Papworth)

18h30

End of the first day of the 4th UIC Energy Efficiency Conference

4th UIC Energy Efficiency Conference – Part II TRAINER Final Conference

3rd Day of the Energy Efficiency Days 2009: 25th September (Friday): 08h30 – 13h00

08h00 – 08h30	Welcome Coffee	
Welcome 08h30 – 08h40	Welcome to the second day of the 4th UIC Energy Efficiency Conference (Henning Schwarz, UIC)	
Session 1 – TRAINER Final Conference 08h40 – 09h45	The TRAINER Project – Overview and Results (Peter Wilbers, Senternovem) <ul style="list-style-type: none"> • TRAINER Ecodriving Instruction Film (Senternovem) • Best Practice Training Programme 1 (Bojan Dremelj, Slovenian Railways SZ) • Best Practice Training Programme 2 (Branislav Krigovsky, Slovakian Railways ZSSK Cargo) 	
Workshops (4th UIC Energy Efficiency Conference) 09h45 – 11h30	Introduction to the Workshops – Process, Power, People (Henning Schwarz, UIC)	
Workshops in parallel	Workshop 1 10h00 – 11h30	Moderator: Peter Wilbers (Senternovem) Ecodriving Training Programmes: <ul style="list-style-type: none"> • Didactical Approach - Paul Offerman (VVCR) • Implementing training programmes - Jan Hoogakker (NS) • Overview experiences - Luigi Contestabile (Trenitalia)
	Workshop 2 10h00 – 11h30 Sponsored by: 	Moderator: Henning Schwarz (UIC) Traction Energy Metering and Billing <ul style="list-style-type: none"> • European Railway Energy Settlement System - Dyre Martin Gulbrandsen (ERESS) • Metering technology for traction energy consumption - Patrice Huaultmé (Faiveley Transport) • Case Study Norwegian Railway – Jan Vetle Moen (NSB)
	Workshop 3 10h00 – 11h30	Moderator: Mads Bergendorff (Macroplan) Energy Efficient Non-Traction Operations (Buildings, Stations, Processes) <ul style="list-style-type: none"> • Energy performance of railway facilities – Willy Bontinck (SNCB) • Energy saving for switches heating – Gerald Olde Monnikhof (ProRail)
	Workshop 4 10h00 – 11h30	Moderator: Phil Hinde (Crossrail) Energy Management for existing rolling stock <ul style="list-style-type: none"> • Energy management for Parked Trains – Bryan Donnelly, ATOC • Energy Efficiency measures for the existing fleet - Christian Köbel (Bombardier)
11h30 – 12h15	Coffee Break and networking	
Closing Session 12h15 – 13h15	Feedback from the Workshops (WS moderators) Conclusion of the Energy Efficiency Days 2009 (Ian Papworth)	
13h15	End of the Energy Efficiency Days 2009	
13h15 – 15h00	Lunch	
Technical Visits 15h00 – 17h30	Option A: SNCF Maintenance Workshop Option B: Faiveley Production Site	

Excursion (optional) September 26th 2009, Tours

4th Day of the Energy Efficiency Days 2009: 26th September (Saturday)

Excursion to Loire Castles
09h00 – 14h00

Participants are warmly invited to join the Excursion to the

Azay-le-Rideau Castle!

Please note that the number of participants is limited!