



The UIC Energy Efficiency and CO2 Emissions Experts Network is happy to invite you to take part in the workshop "Energy efficient Infrastructures" that will be held in Paris on 2 July 2018 in Paris, in the direct vicinity of UIC Headquarters

Background

After Eco-driving, eco-stabling and measuring energy consumption, other energy saving potentials have been identified by the Energy Efficiency and CO2 Emissions

Experts Network in the energy management of railway infrastructures especially in relation with all fixed installations.

Therefore, this new workshop will focus on the following topics:

Workshop highlights

- Lighting of platforms, shunting/stabling areas and maintenance shops
 - Use of virtual reality,
 - Design tools for lighting of Railway infrastructure
- Switch heating: sharing of technologies and experiences from infrastructure managers
- Installations for preheating and smart stabling
- Integration of renewable energy in railway infrastructure
 - Energy efficiency in the railway electricity networks (e.g. internal networks on higher voltage level, purchasing battery chargers and transformers with reduced losses, limiting the amount of different voltages, ...)

Venue

Hotel MERCURE Paris Centre Tour Eiffel,
20 rue Jean Rey
75015 Paris

Registration

To register for the workshop and obtain practical information, please follow the link below:

<https://events.uic.org/uic-invites-you-to-a-workshop-on-energy-efficient-infrastructures>

For more information, please contact

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For the workshop agenda, please go to next page

Draft Agenda

Moderation: Chloé Lima-Vanzeler (SNCF) and Bart Van der Spiegel (Infrabel)

11:30	<i>Sign in - Mercure Hotel, 20 rue Jean Rey 75015 Paris (follow signage to conference room)</i>	
12:00	Networking Lunch	
13:00	Welcome	Isabelle De Keyzer (UIC)
13:10	<u>Introduction</u>	Bart Van der Spiegel, Infrabel
13:20	<u>Energy efficient lighting:</u> <ul style="list-style-type: none"> - Latest results of the “LEDification” of SNCB railway assets (Platforms, workshops, parking buildings) (15’) - Lighting of platforms and shunting/stabling areas (ProRail) <ul style="list-style-type: none"> o Implementation of LED in combination with smart sensors (15’) o Installation of LED in shunting areas (15’) 	W. Bontinck (SNCB) T. Luijten (ProRail) G. Olde Monnikhof (ProRail)
14:05	<u>Q&A session</u>	
14:15	<u>Energy efficient switch heating:</u> <ul style="list-style-type: none"> - INFRABEL: Use of weather stations to control switch heating (15’) - ProRail: How to improve switch heating monitoring based on internet of things? (15’) - Use of energy efficient technologies and renewable energy sources on infrastructure of Russian Railways (15’) 	A. Sarafianos (Infrabel) G. Olde Monnikhof (ProRail) B. Ivanov (RZD)
15:00	<u>Q&A session</u>	
15:15	<u>Coffee break</u>	
15:30	<u>Energy Efficient internal networks:</u> <ul style="list-style-type: none"> - INFRABEL: How to measure and allocate energy consumptions in internal networks? (15’) - SNCF Réseau: New Medium Voltage DC railway electrification system project (15’) - SNCF SIGALI: a mutualised energy storage system between station and signaling (15’) 	B. Van der Spiegel (Infrabel) H. Caron (SNCF Réseau) V. Delcourt (SNCF)
16:15	<u>Q&A session</u>	
16:30	<u>Integration of renewables:</u> <ul style="list-style-type: none"> - Report on progress in installing PV-panels on large buildings (workshops, parking buildings...) (15’) - Integration of solar and wind energy in assets and in energy grid (15’) 	W. Bontinck (SNCB) G. Olde Monnikhof (ProRail)
17:00	<u>Q&A – Open discussion / Conclusions and next steps</u>	
17:30	<u>End of the day</u>	
19 :00	<u>Optional / For information:</u> Informal dinner (venue tbd)	