



Invitation

to the

Railenergy Workshop
“Energy Efficient Components”

Berlin – March 18th, 2009

Mövenpick Hotel Berlin
Schöneberger Straße 3
D-10963 Berlin
Germany

UIC, UNIFE and Bombardier Transportation warmly invite you for the 4th Railenergy workshop “Energy Efficient Components” to explore energy saving potentials for rolling stock components. The workshop will give an overview about the state of the art of onboard energy storage, re-use of waste heat and Drivers Assistant Systems (DAS).

The number of participants for this workshop is limited to 50 persons. We kindly ask you to register exclusively online until March 11th, 2009 by using the following link.

<http://www.uic.asso.fr/forms/spip.php?article1206>

Please find more information in the attached agenda or contact Enno Wiebe (wiebe@uic.asso.fr) from UIC in Paris or Helene Köpf (helene.koepf@unife.org) from UNIFE in Brussels. If you would like to know more about Railenergy’s Subproject “NRG Components” in advance please feel free to visit our website www.railenergy.org.

Do not miss the event and register now!

The Railenergy team is looking forward to welcoming you in **Berlin!**



Railenergy Workshop – Berlin – March 18th, 2009
Energy Efficient Components

(Provisional) Agenda

08h30 – 09h00	Registration
Introduction 09h00 – 09h30	Welcome (Eric Fontanel, UNIFE) Introduction & Summary of Railenergy’s Subproject 4 “Components” (Christian Lauszat, BT)
Panel 1 – Onboard energy storage 09h30 – 10h30	Onboard energy storage - Overview on existing onboard energy storage technologies (Characteristics, selection criteria’s, possible combinations) - Saving potentials in different applications (Dr. Markus Klohr, BT, additional speaker to be defined) Battery in traction applications (Pierre Preneloup, Saft S.A.) Questions & Discussion
10h30 – 11h00	Coffee Break
Panel 2 – Re-Use of waste heat 11h00 – 12h30	Potentials and limitations of waste heat usage in Rolling stock (Christian Lauszat, BT) Re-Use of waste heat technology by Voith (Jürgen Berger, Voith) Questions & Discussion
12h30 – 14h00	Lunch
Panel 3 – Driver Assistant Systems 14h00 – 15h30	Drivers Assistant System - HMI - Introduction into giving driving style recommendations to engine drivers. Integration of DAS into vehicle shown on TRAXX locomotives (Dr. Marcus Lindemann & Dr. Andrea Mazzone) Questions & Discussion
Joint working groups 15h30 – 16h30	3 groups to discuss about - expectations on future development in energy efficient operation Presentation of the results
16h30	Conclusions and wrap up

* probably modified



Practical Information

Arrival

By plane

Flughafen Schönefeld (IATA Code: SXF)

Flughafen Tegel (Otto Lilienthal) (IATA Code: TXL)

www.berlin-airport.de

By train

Berlin Hauptbahnhof (Central Station)

S-Bahn "Anhalter Bahnhof"

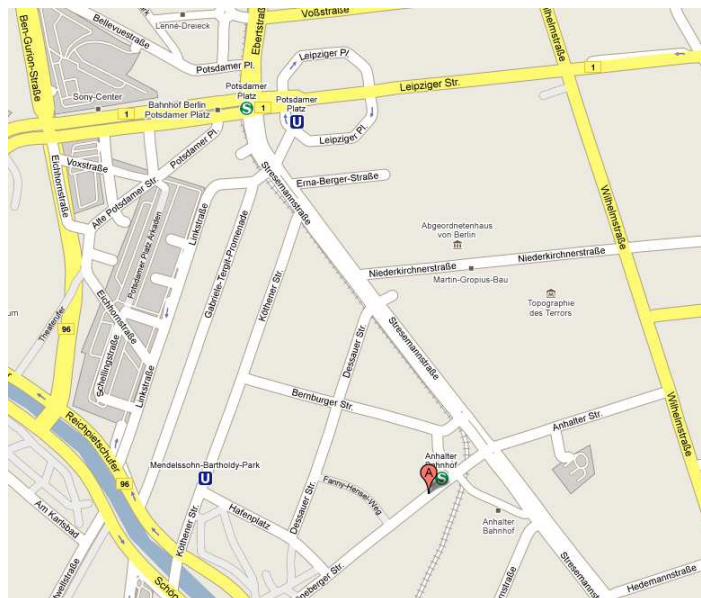
<http://www.bahn.de/international/view/en/index.shtm>

Public transport

<http://www.bvg.de/index.php/en/Bvg/Start>

The Venue

Mövenpick Hotel Berlin
Schöneberger Straße 3
D-10963 Berlin



Hotel

Rooms are blocked for the workshop's participants

We kindly ask you to contact the hotel directly

Mövenpick Hotel Berlin

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