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**

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<th>Time</th>
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| 08h30 – 09h00 | Registration                                                            | Welcome (Eric Fontanel, UNIFE)  
Introduction & Summary of Railenergy’s Subproject 4  
“Components” (Christian Lauszat, BT) |
| 09h00 – 09h30 | **Introduction**                                                        | 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 Prenleloup, Saft S.A.)  
Questions & Discussion |
| 09h30 – 10h30 | **Panel 1 – Onboard energy storage**                                     | 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 |
| 10h30 – 11h00 | Coffee Break                                                            | Lunch                                                                                                           |
| 11h00 – 12h30 | **Panel 2 – Re-Use of waste heat**                                       | 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 |
| 14h00 – 15h30 | **Panel 3 – Driver Assistant Systems**                                  | 3 groups to discuss about  
- expectations on future development in energy efficient operation  
Presentation of the results  
Conclusions and wrap up |
| 15h30 – 16h30 | **Joint working groups**                                                | * 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

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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Fax:+49 30 2300 6199
E-Mail: hotel.berlin@moevenpick.com