

SEB'09

International Conference on
Sustainability in Energy and Buildings '09

Invited Sessions

Title of Session: Sustainable Transportation Technology

Name of Co-chairs: Dr Simon Walters,
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Description:

Modern research into transport technology increasingly focuses on increased fuel efficiency and decreased emissions of polluting gases and carbon dioxide. This is achieved through better control and design of conventional power units, also by the use of renewable energy sources which have a high degree of intrinsic sustainability.

This invited session will focus on developments in transport and engine technology that lead towards sustainability in engine and transport technology. Improvements in conventional technology contributing towards and increased degree of sustainability and also developments utilising renewables will both be acceptable for this session.

The following topics are suggested for inclusion; however these are not meant to be exclusive:-

- sustainable transport systems
- improvements in engine efficiency and reduced emissions
- engine design techniques for sustainability
- sensory and control techniques leading to increased sustainability
- hybrid engine systems
- power plant modelling and simulation
- electric vehicles
- intelligent transportation systems

Papers accepted for this session may be considered for extension into chapters for inclusion in a planned book on 'Sustainable and Intelligent Transportation Technology' to be published in the KES Rapid Research Results series.

Website URL (if any):

Email & Contact Details:

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