

CONFERENCE CHAIRS AND ORGANISERS

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Conference Co-Chair

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Chair of Scientific Program Committee

Dr Martin Leary

Co-Chair of Scientific Program Committee

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International Conference on Sustainable Automotive Technologies

ICSAT2012

From the present to the future

21-23 March 2012
Melbourne, Australia

CALL FOR PAPERS

4th

International
Conference on
Sustainable
Automotive
Technologies

Hosted by RMIT University

From the Conference Chair

Mobility is an essential part of our lives. The ability to move freely is central to meeting our social and economic needs. Today there are over 900 million vehicles on the world's roads with over 60,000,000 new vehicles produced each year worldwide. The scale of the automotive industry is enormous and far reaching. Transportation accounts for around 25% of greenhouse emissions worldwide, whereby 90% of transport related emissions come from road vehicles, predominantly cars. Clearly, current levels of consumption and emissions are unsustainable. The challenge of developing new sustainable approaches to mobility and transport technologies confronts our societies. Based on current knowledge it is becoming painfully clear that there is no "silver bullet" or single technology available at present to address this challenge. To succeed we will most likely have to pursue a range of different technologies and approaches with short-term and long-term gains. The International Conference on Sustainable Automotive Technologies aims to draw special attention to the research and practice of meeting the challenges to sustainable mobility. In particular, the conference is interested in the technical and scientific advancements that are able to meet social, economic and environmental targets in both local and global context. This is the fourth conference in the series held annually, and alternating between Australia, Germany and the US as host countries. We cordially invite you to attend this important international event.

*Professor Aleksandar Subic
Conference Chair
RMIT University, Melbourne*



INVITING CONTRIBUTIONS

ABSTRACTS

You are invited to submit an abstract from any branch of science, engineering and technology relating to the conference themes, topics and application areas. Authors should submit an abstract of up to 400 words (MS Word, Times New Roman, size 12) and upon acceptance, a final paper of six A4-size pages. There is a limit of 2 papers per author. All papers will be peer reviewed. The official language of the conference is English. Please visit our website for submission guidelines.

All accepted peer reviewed papers will be published by Springer as hardback conference book

STUDENT CONFERENCE

The Student Conference runs on the first day of the conference (21 March 2012) and it is integrated into the main conference on the same topics. It gives students from all over the world a unique opportunity to participate in this international conference and to present their own papers on sustainable automotive technology topics. Awards and prizes will be presented to authors of the best papers and presentations.

PLENARY SESSIONS

Future Fuels

Chair, Dr Bruce Bunting
Fuels, Engines and Emissions
Research Centre, Oak Ridge National
Laboratory, US

Lightweighting

Chair, Dr Barrie Finnin
General Manager
Advanced Engineered Components,
CSIRO

E-Vehicles

Chair, Dr Gary White
Research Manager
Cooperative Research Centre for
Advanced Automotive Technologies
(AutoCRC)

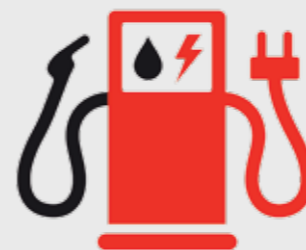
Sustainable Manufacturing

Chair, Prof, Milan Brandt
Program Director
RMIT University

Conference program will include Plenary Sessions with invited keynote speakers and panel discussions, as well as Concurrent Technical Sessions involving presentations of accepted peer reviewed papers

CONFERENCE TOPICS

- Propulsion systems and fuels
- Lightweight vehicle structures and materials
- Intelligent transport systems (ITS) technologies
- Reducing energy losses in vehicles
- Reducing transport emissions
- Safety and security of transportation
- Impact on the environment and public well-being
- Sustainable Manufacturing



IMPORTANT DATES

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|-------------------------|----------------------------|-------------------------|--------------------------------|
| JUL 29 | Abstract submission | OCT 28 | Notification of review outcome |
| AUG 05 | Notification of acceptance | NOV 25 | Final paper submission |
| SEP 30 | Full paper submission | DEC 20 | Registrations close |