

CERES ELECTRIC VEHICLE CONFERENCE



EVERYTHING YOU NEED TO KNOW ABOUT CONVERTING CARS TO ELECTRIC
SUNDAY 29 AUGUST 2010

PUT YOURSELF ON A FAST TRACK TO DRIVING YOUR OWN EV!

Since 2007 CERES has been involved in retrofitting petrol cars to electric drive in order to demonstrate how Australia's existing car stock can be used to build an Electric Vehicle (EV) fleet, minus the carbon emissions that result from the manufacture of new cars.

Our latest electric vehicle project is the conversion of one of Australia's most popular delivery vans, the Mercedes Sprinter, which aims to provide a non-polluting transport option for business.

CERES Green Technology is holding a conference to provide interested individuals, small businesses, government departments, researchers and educators with practical information about undertaking roadworthy EV conversions, and purchasing and driving EVs.

Spend a day with Australia's top EV experts to learn about the practical side of converting cars to electric drive.



CONFERENCE
TICKETS
\$110 - EARLY BIRD
\$150 - GENERAL

Contact CERES Visitor Centre

Email: reception@ceres.org.au

Tel: (03) 9387 - 2609

Address: CERES Van Raay
Centre
Cnr Roberts and Stewart St,
East Brunswick, VIC

Early Bird Tickets available till
1 Aug 2010

General Tickets on sale till
28 Aug 2010

Ticket cost includes meals.

*Vegan and wheat-free dietary
requirements catered for.*

CONFERENCE SCHEDULE:

9:00 - 9:30 ++ Registration and Tea & Coffee ++

9:30 - 9:50

++ The Big Picture: EVs in a zero carbon economy ++

Matthew Wright, Executive Director and Founder of Beyond Zero Emissions, maps out the role electric vehicles play in the Zero Carbon Australia 2020 blueprint. Beyond Zero Emissions is an organisation dedicated to removing society's dependence on fossil fuels. The group is leading a bold initiative, the Zero Carbon Australia 2020 project, which aims to develop a blueprint for the transition to a decarbonised Australia by 2020.

9:50 - 10:10

++ EVs in Oz: projects around Australia ++

Rhys Freeman, Green Technology Researcher at CERES, is co-ordinating the conversion one of Australia's most popular delivery van, the Mercedes Sprinter, to electric drive. Rhys will cover the key EV projects underway around Australia.

10:10 - 10:30

++ Future Retrofits: government support for EV ++

Kristian Handberg, manager of the Electric Vehicle Trials with the Victorian State Government's Department of Transport, outlines the government & industry policies that will support EVs into the future & reveals the latest developments in the Victorian government's EV Trials initiative.

10:30 - 11:00 ++ Morning Tea ++

11:00 - 11:20

++ Safety First: how to make retrofits safe ++

Professor Laurie Sparke is a leading automotive industry consultant, a former advanced engineering chief with General Motors Holden, and Adjunct Professor of engineering at RMIT University. He played a central role in the development of the ECommodore (an early hybrid vehicle), and specialises in vehicle safety. In this session Laurie details the safety considerations involved in retrofitting cars to electric drive including vehicle design, dealing with accidents, structural issues & national guidelines on retrofits.

11:20 - 11:40

++ Training: who, what and how ++

EVs are totally different beasts to drive, maintain and service. **Kate Neely**, Education and Training Manager at the Cooperative Research Centre for Advanced Automotive Technology (AutoCRC), talks about the issues faced by mechanics and their trainers in servicing EVs. AutoCRC is an automotive training body, closely involved with several Victorian automotive education institutions.

11:40 - 12:00

++ High Standards: keeping EV retrofits on track ++

Murray Liston, Manager of Technical Services with the Victorian Automobile Chamber of Commerce, talks about unregulated EV retrofits, and the process for developing appropriate standards and their implications for Australia's EV industry.

12:00 - 1:15 ++ Lunch ++

1:15 - 4:30

++ Keeping it Practical ++ Concurrent Sessions

See session details on page 3.

4:30 - 5:00

++ Conclusion: your questions answered ++

Q&A with a panel of experts for those wanting to get involved in EV conversions, or start working in the field.



Session A

How to deal with engine computers, sensors and new technologies during the retrofit process with **Daniel Booth**. Daniel is the proprietor of an electric vehicle conversion workshop (EVShop) in Balcatta, Western Australia with expertise in the integration of electric drive trains into modern petrol vehicles.

Session B

Constructing the battery box in a retrofit and ensuring strength without compromising structural safety with **Simon Dodd**. Simon is an Aircraft Maintenance Engineer and has been involved in the conversion of seven vehicles to electric drive. He specialises in the mechanical and metal work involved in retrofits, and has experience in coupling manufacture and battery box construction.

Session C

Electrical wiring requirements during an electric vehicle retrofit and proper electrical safety procedure with **Bryce Gatton**. Bryce is a Green Technology Project Manager at CERES, and former head of Swinburne TAFE's Electrical & Renewable Energy Department. Bryce was also involved in the establishment of EV retrofit & maintenance courses at Swinburne TAFE.

Session D

Selecting appropriate components in a retrofit - where to go, what to look for & how much it will cost with **Rhys Freeman**.

