

### NEXT MEETING

## Monday 5th November 2012

Greengate Hotel Pacific Highway Killara 7:30 pm

#### **Dress Requirements**

Shoes, Socks and Shirt.
No thongs

#### Website

www.nsscc.com.au

#### **Membership Enquiries**

James Stroud 0410 892 292 secretary@nsscc.com.au

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#### NORTH SHORE SPORTING CAR CLUB

## DATES TO NOTE UPCOMING EVENTS

Sunday, the 11th of November

NSSCC Khanacross at Hampton.

A fantastic venue with loads of excitement. A great day out for the family.

Entry Form and Sup Regs are available on the website.

Other Car Clubs are welcome and have been invited.

Rally Tyres ARE Permitted!

www.nsscc.com.au

Hopefully we will have more news at the next club meeting about our planned twilight Rally Sprint Series for the Summer period, due to kick off in December.

We will keep you posted via Wheelspin and website.

Mark those dates in your diary and ensure you come along to either compete or help out as an official.

## FROM THE PRESIDENT'S DESK

Welcome to November.

Bloody Hell where has that year gone?

As we look back on October we had a great Show and Tell meeting at the Carline Muffler workshops of club member Craig Stallard (excellent motor sport exhaust systems by the way). We were fortunate to have the beautifully built and prepared Toyota Celica RA40 of Neal Bates in the workshop along with Neal to explain all about it. It was a fascinating night and we thank Craig for opening up his workshop to host the event.

Neal of course went on to Coffs Harbour the following weekend as lot of us did for the Snake Racing Coffs Coast Rally which was round five of the NSW State Championship as well as being round three and four of the NSW State Series.

Neal and Coral easily won the Classic category in the unbelievable Celica and I was very fortunate to score a ride in on the ARC test day in Sherwood Forest on the Wednesday before the event. It is an extraordinary bit of kit and it is hard to believe that there is no front diff in it such is the incredible drive it has out of corners.

There were some great results for NSSCC members up at Coffs . Brett Middleton and Andrew Benefield again won the ARC SUV Challenge in the family shopping wagon Forester turbo diesel, new club member Richie Dalton brought his Evo 6 home in 11th outright in 4WD in his first ever outing in an ARC round. Darren McLanders took his Mirage to 7th o/r in the NSW round and first in class while Nigel Waters called the corners for Ed Mulligan in the spectacular red Escort RS1800 clone, Mick Gillett called the corners for Matt Ruggles TR7 V8, while Howard Grove was the course checker and co-drove the 000 car while plenty of other members played roles behind the scenes s officials etc.

Looking to 2013 NSSCC has applied for and at this stage I believe has been granted a date to run a state round at Batemans Bay again with the likely dates to be 28 July and we are hoping to again have backing from Kumho Tyres and the Batemans Bay community.

We edge closer each month to getting access to some facilities at Sydney International Dragway where we are hoping to be able to run khanacross and rallysprint events in 2013 and if that happens it is going to be a huge benefit to the car club with facilities available in the geographic centre of town.

Don't forget our final khanacross of the year at Hampton on November 11th. It promises to be a great day and certainly worth the effort of heading for the hills

Don't forget we are looking for a new club treasurer following the resignation of Rob Edwards. We do now have to find a new treasurer so if you have any knowledge of bookkeeping and treasury duties please put your hand up, it is not a huge workload but it is a vital role for the club

Look forward to seeing you at the our Club meeting on Monday 5th November.

Jon Thomson President



#### MOTOR SPORT PRIZE OF A LIFETIME COULD BE JUST THE TICKET FOR THE CHRISTMAS STOCKING

Forget the socks and hankies, the jackpot lottery ticket or the nose hair trimmer as Christmas presents for Dad this year, why not buy him a chance at the motoring and motor sport prize of a lifetime and help one of Australia's emerging motor sport talents continue her climb up the world rallying ladder.

The Australian Motor Sport Foundation has organised the raffle to help young Australian rally driver Molly Taylor raise funds for her 2013 European and World Rally Championship program.

For just \$100 you can give Dad (or Mum, your brother, sister or a friend for that matter) a chance to win the "Molly Raffle" with the winning prize comprising the ultimate European supercar and F1 experience, including business class travel to Switzerland for one person, seven nights' accommodation, with four days driving a selection of 'supercars' including Lamborghini, Aston Martin, McLaren and Porsche) over some of the best roads in the world.

The prize also includes three days in Monte Carlo where the winner will watch the Monaco F1 Grand Prix from a super yacht moored in Monaco Harbour.

In short its the sort of prize any motoring and motor sport enthusiast would give their right arm for.

Ticket sales are now open and the raffle closes on December .... with the draw taking place on 31 December, ensuring the winner will have a a fantastic conclusion to the festive season.

"I'm incredibly excited to offer such a unique experience as a way of taking my own dreams another step forward. Like the prize, this raffle is an once-in-a-lifetime opportunity. I'm very grateful to the AMSF for helping me raise funds to further my career in Europe," Molly says.

Tickets are are now available from Molly's website <a href="http://www.mollytaylor.com.au/raffle">http://www.mollytaylor.com.au/raffle</a>. Offline purchases are also available, with details on the website. As an added bonus, everyone who buys a ticket is eligible for a range of discounts from Molly's existing supporters.

At 24, Molly has signed with international sports management group, United Business, to compete with

Italy's BP Racing in a Citroen DS3 R3T and has contested four rallies this year including the Geko Rally Ypres in Belgium, the Rally CoppaCittà di Lucca in Italy and the WRC Rally Finland in August and Wales Rally Great Britain in September. Molly posted impressive results in all of the rallies and is currently negotiating a full campaign with the United Business team next year. The funds raised through the raffle will help Molly fund her rally campaign in 2013

Molly has also recently announced a continuation of support from long-term sponsor, Whiteline Suspension. The company has recognised the importance of competing in Europe, so she is looking forward to expanding the partnership.

"It obviously makes it more meaningful to have Aussie companies behind me and I'm excited to be helping them expand into European markets."

Molly moved to Europe in 2009 to further her rally career. Last year she won a once-off scholarship to compete in the inaugural WRC Academy, a development series for young rally drivers from all over the world.



## GARLAND'S DAKAR MISSION ON TRACK RACE CAR ON ITS WAY OVERSEAS

Offroad racing champion Bruce Garland has ticked another box for his 2013 Dakar Rally campaign, with the Isuzu D-MAX racing ute now in a shipping container on the high seas.

The Isuzu Motorsports crew finished their final pre-Dakar preparations in Perth last week, after an unsuccessful run in the 27th Australasian Safari.

The five-time winners of the event, Garland and navigator Harry Suzuki were forced to withdraw after clipping a gatepost and bending the chassis of the D-MAX.

With Dakar being the priority, they opted not to do a rushed repair job to continue competing. Instead, they returned to Perth to carry out a full repair and service – as well as changing components and setup to meet Dakar specifications – before loading the D-MAX on a freighter.

"Not getting a result in the Safari was extremely disappointing, but we're on a mission for next year's Dakar, and that had to be where we kept our focus," Garland says.

"We were going to be tight on time to get the race car ready for the ship, so not finishing the Safari gave us a bit more breathing space and allowed us to get everything right. The D-MAX is pretty much ready to race as soon as it touches land in South America."

Garland has unfinished business with the world's most gruellingoffroad event. He's been laid off from competition for more than 18 months after



fracturing a vertebra during the 2011 Dakar. Two months later, still recovering from that injury and on holidays in Melbourne, he had a heart attack. Five bypasses were done by the specialist team at Melbourne's MonashHeart.

Garland and Suzuki's best result in the Dakar was 11th outright and first diesel ute home in the 2009 event, but they are chasing a top 10 finish for the 2013 Dakar, which will run through Chile, Argentina and Peru next January.

The Isuzu Motorsports crew will fly out for South America at the end of the year. Between now and then, Garland is spending a month in Africa, working as a precision driver, filming scenes for the new Mad Max movie, Fury Road.

"Some of the best stunt drivers from around the world are involved, so I'm really looking forward to working with them. It should be a lot of fun and a bit of a break before all the hard work starts in South America."

# MIDDLETON TO DEFEND SUV RALLY TITLE IN 2013

The inaugural East coast Bullbars SUV Australian Rally Champions, Brett Middleton and Andrew Benefield, will return to defend their title in 2013.

Although they were largely unchallenged in their Subaru Forester this year, Middleton says that with the continued partnerships of East Coast Bull Bars, McGrath foundation, EcuteK ECU tuning and KumhoTyres, he's already looking forward to next season.

"We've still got the final round of the 2012 ARC to contest, but I'm thrilled to be already planning for next year," Middleton said.

"We tossed up the temptation to contest the outright 2WD championship next year, but the Subaru is such a fun car to drive that we'll be back for more."

Middleton says that the SUV cars are incredibly low cost to run and are a great entry level for competitors wishing to experience the Australian Rally Championship.

"For sure, the SUVs aren't the fastest rally cars out there, but our program this year has been really good for business, our partners (including Whiteline, MRT Performance and Disc Brakes Australia) have got good value for money, and all will be with us again next year.

"We've even had interest from someone who is considering buying our current car, and if that comes off, we'll build a second Forester for next season," he said.

The MRT SUV has surprised people on special stages that suit the 1600kg car. Developing the car throughout the year the team has steadily improved the speed and consistency at each subsequent event.

Recent tyre testing at the Snake Racing Coffs Coast Rally resulted in another half a second a kilometre in speed.

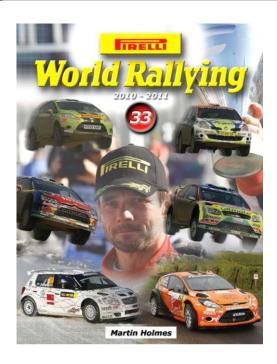
The Subaru turbo diesel has 60NM more torque and 30kW more power than standard. With only an ECU custom tune and a minor exhaust modification, this is its only power mods.

The rest of the car features DBA rotors, MCA shocks, Whiteline suspension, Motec dash logger and a Bond roll cage

Middleton and Benefield will contest all rounds of the 2013 ARC.



## PIRELLI WORLD RALLYING 33 2010-2011



AUTHOR: Martin Holmes

PUBLISHER: Martin Holmes Rallying

PUBLICATION 25 November 2010

DATE:

SUBJECT: Sport (Motor Sport)

BIC CODE: WSPG

SPECIFICATIONS: HB 196 pages 275 mm x 210 mm 4 colour cover Over 400 illustrations, 13 maps

#### **DESCRIPTION:**

Martin Holmes' World Rallying annuals, for the 24th time with the support of Pirelli, are recognised as the leading books on international rallying in the world. Previous editions have established this annual as the leading reference book of the sport, used by the industry, journalists and rally fans all over the world.

Centred on the 2010 World Rally Championships, there is also coverage of the IRC, European, Asia-Pacific, Middle East and African regional championships, and many national championships around the world. All the features are illustrated comprehensively, primarily by Maurice Selden's photography.

The book also gives a unique appendix of results of all the major national rally championships round the world.

#### **FEATURES:**

FOREWORD by 2007 Formula 1 World Drivers Champion Kimi Raikkonen, Jan Kopecky Skoda's national driver tells the story of his career, PETTER SOLBERG WORLD RALLY TEAM The team who dared to challenge the establishment teams, LEGENDS STILL ALIVE Ford Escort classic competition, WORLD RALLY CARS OF THE FUTURE explained by FIA Technical department chief Jacques Berger, SPA-SOFIA-LIEGE Stories from one of rallying's most amazing events, SINGLE-TYRE SUPPLIER reflections from Pirelli, PIRELLI STAR DRIVER how the Class of 2010 fared and the newly inaugurated WRC RALLY ACADEMY IN 2011.

#### **AUTHOR:**

Martin Holmes has been writing books, preparing reports and supplying rallying information and photographs to magazines and the industry in all six continents since the World Series started in 1973.

#### TO BUY CONTACT:

Greg Yard at Simpson Safety on ph. 9545 6662 or mob. 0407 108 103 or by email at sales@simpsonraceproducts.com.au Cost is \$54 plus \$5 postage and tell him you are from NSSCC

### PIRELLI WORLD RALLYING 32

Simpson Safety is now a sponsor of NSSCC Wheelspin so support the companies that support us by subscribing to their publication.

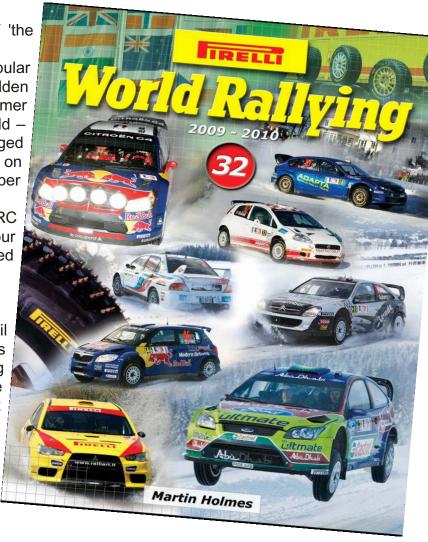
Out now with all the regular features of 'the bible of world rallying!

Forwarded by Petter Solberg, the now popular privateer this edition also features the Golden Age of Italian Rallying by Abarth's former chief engineer, Rallying in the New World -Brazilian style, Erik Carlsson who changed the image of Saab, Next Generation Cars on the development of the Ford Fiesta Super 2000 and more.

Included in the run down of the 2009 WRC season of course is Martin's report on our own first ever East coast WRC event filled with drama from beginning to end!

To secure your copy, again for our loyal mail order people the all inclusive price has been reduced to \$63 thanks to our strong Australian Dollar. All payment methods are accepted and contact me for Direct Debit details if you prefer this option. Every effort will be made to deliver for Christmas!

All the best for xmas and have a happy, safe New Year. Kind regards, Greg Yard



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# United Business will reveal Molly Taylor's 2013 rally programme Late October

The brilliant 2012 sports season of Australian rally driver Molly Taylor and her British co-driver Seb Marshall has just ended, with yet another strong performance at Wales Rally GB on board the Citroen DS3 R3T with the United Business livery.

At the finish in Cardiff, after a race which saw them win stages, occupy the leadership and stand out in their class battling with fast and more experienced drivers, the crew received two important awards: Molly won the Richard Burns Trophy and Seb was awarded the Michael Park Trophy as the best British non-priority drivers.

"I cannot believe the 2012 season is over already. It went so quickly," Molly says.



"Earlier this year I did not know what we would able to do this year and then came the opportunity to work with United Business. I was offered the DS3 R3 with the assistance of BP Racing. I had a serious programme, with tests and international events – a dream come true. For me it was a big step forward and a steep learning curve, and I am pleased with the progress we made.

"Pier Liberali of United Business, the company that takes care of my sports management, was present at Wales Rally GB and we started our planning for 2013. This year, Vittorio Caneva and Fabrizia Pons have been invaluable to me. Their advice and support helped me a lot and I look forward to working with them again in 2013. Their friendship and teachings are very important to me".

Co-driver Seb Marshall says its has been a short but very rewarding year, doing some of his favourite rallies.

"Both Molly and I very much liked working with United Business. They are very professional and determined. BP Racing, which took care of our car, is made up of great people, with great technical knowledge. They're enthusiastic and indefatigable! Molly drove brilliantly this year while maintaining an incredible desire to succeed. Now we look to 2013, hoping for another exciting year of rallying."

United Business has almost completed planning the 2013 season for Molly and Seb. The aim is to capitalise on the experience gained in 2012 and continue the growth process of the Australian driver, who this year has impressed all the insiders with the determination and speed she has shown.

The programme will be announced by the end of October.







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## YOUTUBE LINKS

Something I stumbled on a few weeks back. It's called Tractor Pulling. The Idea being to pull a weight which gains resistance as the distance increases. There are a number of variations. The US have Big Rig Pulling. Pretty Crazy... You will find a lot of extra's if interested!

TPI - Tractor Pulling Thiene 2011

http://www.youtube.com/watch?v=I4mbkuoHgN8&feature=related

Tractor Pulling Putten 2011 Whispering Giant finale 4500kg modified Beach Pull

http://www.youtube.com/watch?feature=endscreen&NR=1&v=ZHqoNiQ2e10

Black Power DK Tractor Pulling Füchtorf 2011

http://www.youtube.com/watch?NR=1&v=WJa h02VZO8

Tractor Pulling Herning 2011

http://www.youtube.com/watch?v=3Ar7oVa79VQ&feature=related

USA EAST Big Rigs Pulling Series, Crawford County Fair. Meadville, PA

http://www.youtube.com/watch?v=m0lHrm70tWw&feature=related

And the next three episodes from McLaren's Cartoon Series. "Tooned."

McLaren Tooned - Episode 4: Beyond the Limit 720p HD

http://www.youtube.com/watch?v=B8cvPw-sJlc

McLaren Tooned - Episode 5: Lift Story 720p HD

http://www.youtube.com/watch?v=GZHMOcyU1vo&feature=plcp

McLaren Tooned - Episode 6: Gone With The Wind HD 720p

http://www.youtube.com/watch?v=JbKDcaVKyb8&feature=plcp

# THE NEW 2012 WORLD RALLY RANKING, BEFORE THE RALLYE DE FRANCE

The world rally ranking of the IRDA (International Rally Drivers Association) is a classification system for rally drivers and co-drivers, produced weekly by the IRDA to enable objective comparisons between the various drivers and co-drivers of the world who race in the various leagues and trophies, at world, continental and national level. The ranking, which is the only one dedicated exclusively to rallyes worldwide, is established through a system of coefficients assigned to each rally, based on its importance and validity. From these factors, scores are obtained and are given to the first thirty classified crews of each rally in the 2012 FIA "International Sporting Calendar – Rallyes" which currently has 134 scheduled rallyes run or to be run on the 5



**continents**. Under the system currently in use, the scores are calculated on the results achieved by drivers and co-drivers **in the last 12 months of racing**, this system has been adopted to respond to the criticism according to which, over longer periods of time, the ranking would not have accurately reflected the actual and current value of drivers and co-drivers. There are currently **1062 drivers of 72 different nations** who have obtained the results necessary to enter the ranking, the top ten are:

<u>Name</u>	Country	<u>Points</u>
1) LOEB Sebastien	France	5905
2) MIKKELSENAndreas	Norway	5674
3) HANNINEN Juho	Finland	5265
4) HIRVONEN Mikko	Finland	5175
5) OSTBERG Mads	Norway	4830
6) KOPECKY Jan	Czech Republic	4476
7) LATVALA Jari-Matti	Finland	4455
8) SOLBERG Petter	Norway	4110
9) NEUVILLE Thierry	Belgium	3423
10) NOVIKOV Evgeny	Russia	3345

The best drivers for each continent are:

Name	Continent	<u>Points</u>
LOEB Sebastian (France)	Europe	5905
ALATTIYAH Nasser (Qatar)	Middle East	2918
ATKINSON Chris (Australia)	Oceania	2191
TRIVINO Ricardo (Mexico)	North and Central America	2122
ARAI Toshihiro (Japan)	Asia	1482
FUCHS Nicolas (Perù)	SouthAmerica	1205
ESSA Mohamed (Zambia)	Africa	976

All these drivers have competed with 113 different car models from 23 manufacturers. To be able to see all the ranking standings, drivers, co-drivers, manufacturers, car models and nations, please visit the <a href="https://www.worldrallyranking.com">www.worldrallyranking.com</a> website, and insert your e-mail address in the form. You will immediately receive the password to access all the data and the various ranking standings.

### MOLLY TAYLOR RAFFLE



Would you like to win a trip to the 2013 Monaco F1 Grand Prix?

And view the race aboard a Super Yacht moored in Monaco Harbour?

Would you like to spend four days driving Supercars around the Swiss, Italian & French Alps?

If so, the AMSF Ultimate European Supercar & F1 Raffle is for you! Prize Value \$25,000 AUD

The Australian Motor Sport Foundation is proud to throw it's support behind a fundraising program for AMSF International Rising Star, Molly Taylor.

By purchasing tickets to win The Ultimate Driving Tour you will be assisting the young Australian rally driver to further her rally career in Europe and the World Rally Championship.

Raffle Ticket purchase includes automatic membership to the Molly Taylor Supporters club.

#### Raffle Prize includes:

- **Return BUSINESS CLASS travel to Switzerland**
- 4 days of YOU driving SPECTACULAR, THOROUGHBRED SUPERCARS through the most famous routes in the Swiss, Italian and French Alps!!
- 7 nights accommodation
- Grand Prix of Monaco...full corporate hospitality aboard a Super Yacht in the Monte Carlo Marina, including all meals and drinks

#### Ticket Cost: \$100 AUD (approx 66.45 GBP as at 21 July 2012)

The 2012 Ultimate Driving Tour included the stunning Lamborghini Aventador and the Gallardo LP560, the gorgeous Audi R8 V10, Ferrari 458 Italia and The Mercedes SLS to name a few....

The 2013 tour will be more of the same, plus some NEW models coming through.

Lambo v's Ferrari on the stunning Stelvio Pass? YES PLEASE!

To view a full day by day itinerary of The Ultimate Driving Tour go to: <a href="http://mollytaylor.com.au/proposed-">http://mollytaylor.com.au/proposed-</a> itinerary-2013

Tickets are available on-line at <a href="http://www.mollytaylor.com.au/raffle">http://www.mollytaylor.com.au/raffle</a>. Don't want to purchase on-line? Then send an email to: raffle@mollytaylor.com.au

With best wishes from

The Team at Molly Taylor Motorsport





## PERSONALISED PROFESSIONAL PRINTING

Business Cards:	350gsm CMYK 1 side or 2, Laminated Matt or Gloss 1 Side or 2	90 x 55mm MINIMUM 2 TYPES MINIMUM 4 TYPES	250 99 89 79	500 119 99 89	1,000 139 119 99
	400gsm CMYK with Silver PMS 1 side or 2 and SPOT UV 1 Side, Laminated Matt 1 side or 2	90 x 55mm MINIMUM 2 TYPES MINIMUM 4 TYPES		195 165 145	225 195 165
			1,000	5,000	10,000
Brochures	150gsm Gloss CMYK DL	1 side	145	295	475
And Flyer		2 sides	195	345	565
	A4 Folded to	DDL 2 sides	345	595	945
	250gsm Gloss CMYK DL	1 side	175	375	585
		2 sides	235	465	765
	A5	1 side	195	475	745
		2 sides	375	645	965
Letterhea	ds 100gsm Laser CMYK DL	1 side	120	195	295
& With Co	mps:	2 sides	165	275	395
	A4	1 side	200	375	585
		2 sides	300	575	825
Posters:	170gsm Gloss CMYK A5	1 side	155	345	525
	A4	1 side	240	525	850
	A3	1 side	350	850	1395
	A2	1 side	625	1395	2395
	Al	1 side	995	2395	3995
Booklets:	150gsm Gloss CMYK A5	8pp	645	1295	2150
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	A4	8pp	1045	1995	2995
		16pp	1695	3395	5495

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### AUDI DEVELOPING ELECTRIC TURBO

AUDI is working on an electric turbocharger driven by energy gleaned from regenerative braking, designed to improve lowspeed response from its forced-induction engines by reducing turbo lag.

The company has not revealed whether the system has any engine output or fuel consumption benefits but says it achieves "high levels of torque even at low revs... which the driver perceives as a distinct boost in performance".

Audi engineers based at Neckarsulm 60 kilometres north of Stuttgart, used a 3.0-litre V6 turbo-diesel unit to develop and test the system, which uses a small electric motor connected to a turbine and can spin it up to create boost "in an extremely short time".

The electric compressor resembles a conventional exhaust-driven turbo and is attached to the side of the cylinder block, piping pressurised air directly into the engine's inlet manifold downstream of the main turbocharger and intercooler and is bypassed using a valve in most driving conditions.

When the exhaust-driven turbo – nestled between the two banks of cylinders – is operating at low outputs, the electric unit comes back into play and increases the amount of air entering the engine.

Audi says the system yields the benefits of two-stage twinturbocharging without generating as much heat, meaning the catalytic converter can be activated sooner.

It also claims the energy consumed by spinning the electric turbo is "essentially neutral" because the power required is "largely offset by battery regeneration during coasting phases".

Car-makers are becoming increasingly innovative in squeezing every drop of performance and efficiency from internal combustion engines in addition to developing hybrid, electric and alternative fuel systems.

For example, in 2005 BMW came up with the Turbosteamer concept that harvested heat generated by an internal combustion engine, turning it into energy that helped drive the crankshaft – yielding a 15 per cent fuel consumption reduction and 10kW more power.

Another technology Audi has in development is a satellite navigation-based predictive efficiency assistant (PEA) system that helps the driver save fuel by adopting a predictive, rather than reactive, driving style that involves less braking and more coasting or making the most of momentum when driving on hills.

Combined with the company's next-generation iHEV idle-stop system that also deactivates the engine while freewheeling and

uses a 48-volt lithium-ion battery to restart it, Audi found drivers to cover 43 per cent of a test route with the engine off, compared with 28 per cent with PEA deactivated.

It is similar to a system BMW has introduced in some markets for its petrol-electric Activehybrid 3 Series, 5 Series and 7 Series models, which use topographical sat-nav data to prime the adaptive cruise control system and ensure the hybrid drivetrain makes the most of electric assistance and regenerative braking during a journey.

Audi expects the effectiveness of PEA to be enhanced by improved in-car connectivity that can enable the system to react to live information such as traffic and roadworks updates, plus information from vehicle-to-vehicle and vehicle-toinfrastructure systems.

The company has confirmed it will offer at least one electrified variant in each of its vehicle segments by 2020 and will introduce the A6 and A8 hybrid to Australia next year.



#### **Committee Members**

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