

## FORMULA SAE-A 2011

The Formula SAE-A 2011 competition will be held at Victoria University Industrial Skills Campus, Gate 4, Hoppers Lane, Werribee, from Thursday 15th – Sunday 18th December 2011

### Team Registration Now open.

For a Registration Kit, refer to the website [www.saea.com.au](http://www.saea.com.au)

#### Registration Checklist

All forms to be returned to SAE-A by Friday 29th July 2011

- Registration Form – Faculty Advisor and Team Leader contact information
- Team Members details
- FSAE-A Order & Payment Form
- SAE-A Student Membership application and renewal forms

As in 2010, entries will be accepted for vehicles in the following categories: PULP fuel (RON 98), Ethanol E85 fuel and electric vehicles. You must make your intention to run on E85 or an electric vehicle on the event registration form

The local rules addendum, with action deadlines, is finalised and is available Rules Addendum 2011. We recommend that you regularly monitor <http://www.saea.com.au/formula-sae-a> for new and updated information.

If you have not already done so, please provide contact information of your 2011 Team Leader to [MBartels@sae-a.com.au](mailto:MBartels@sae-a.com.au)



# NEWSLETTER

Volume 1  
July 2011



## IMPORTANT DATES

- Registration Opens  
**27th June, 2011**
- Registration Closes  
**29th July, 2011**
- Structure Equivalency Form to be submitted by  
**9th September, 2011**
- Design Report, Design Spec Sheet and Student Activity Disclosure Form to be submitted by  
**30th September, 2011**
- Impact Attenuator Data to be submitted by  
**30th September, 2011**
- Cost Report to be submitted by Electronic version  
**14th October, 2011**
- Hard copy version  
**21st October, 2011**

## Volunteers Wanted

Please call Michela Bartels on 9696 5100 or email [MBartels@sae-a.com.au](mailto:MBartels@sae-a.com.au)

## Sponsorship Available

Please call Michela Bartels on 9696 5100 or email [MBartels@sae-a.com.au](mailto:MBartels@sae-a.com.au)

## Welcome to the first issue of the FSAE-A Newsletter for 2011

Welcome to another year of Formula SAE-A. It is with great excitement that we bring you Formula SAE-A 2011. We are pleased to announce GM Holden as the host company for this year's event. We thank Ford Motor Company for hosting an amazing event last year and for their continued association with Formula SAE-A. We wish to make a special mention of Victoria University for all their support over the years and again this year. On a separate note "Congratulations" to Monash University Motorsport for winning consecutive Formula SAE-A 2010 and 2009. It is a significant achievement claiming the title for a second year running. We wish you all the best of luck in your preparation for this year's event

## Scrutineering

As per last year, FSAE-A will again schedule timing for scrutineering but in an effort to speed up the process we will add another lane to allow more time per team. The schedule will follow later this year.

## Electric Vehicle

This year will see FSAE-A measure energy used in Electric Vehicles. More details to follow.

## Registration

Registration is now open and will close on July 29th, 2011. Ensure your completed registration form is in on time to secure a position. SAE-A is proud to advise registration fee has remained the same as last year's event despite the increase cost in running the event.

## Car Numbers

Car numbers will be reverted to those allocated historically. Last year's allocation will be dismissed.

## Accommodation

We urge you to study the map of Werribee in relation to where Melbourne city is situated. Werribee is far from Melbourne city. The closest train station to the track is Hoppers Crossing Train Station which is approximately 2.5 kms from the track. Refer to the following link for a map of accommodation in the vicinity. [http://maps.google.com.au/maps?hl=en&riz=&um=1&ie=UTF-8&q=accommodation+in+hoppers+crossing+victoria&fb=1&gl=au&hq=accommodation&hnear=0x6ad688b40a9fb505:0x5045675218ce8f0,Hoppers+Crossing+VIC&ei=w50uTqCZMemdmQXI2Nkf&sa=X&oi=local\\_group&ct=image&ved=0CAQQtgM](http://maps.google.com.au/maps?hl=en&riz=&um=1&ie=UTF-8&q=accommodation+in+hoppers+crossing+victoria&fb=1&gl=au&hq=accommodation&hnear=0x6ad688b40a9fb505:0x5045675218ce8f0,Hoppers+Crossing+VIC&ei=w50uTqCZMemdmQXI2Nkf&sa=X&oi=local_group&ct=image&ved=0CAQQtgM)

## Formula SAE-A Welcomes Michela Bartels

We are pleased to announce the appointment of Michela Bartels as Development Manager to the SAE-A team and Formula SAE-A. Michela joined the team at the end of May 2011, replacing both Felicity and Marissa who most of you would have worked with in the last few years. Michela's last role was with Starwood Hotel and Resorts where she was Manager Global Sales Asia Pacific.

### A few words from Michela Bartels

"Thank you" all for making me feel so welcome and part of the SAE-A and Formula SAE-A team. I have met a couple of the Formula faculty advisers, team leaders and supporting team, your passion, drive and enthusiasm is without a doubt contagious. I have been more than impressed and blown away with your dedication. I am looking forward to a fantastic 2011 Formula competition and working with all of you to making this year's event a great success for all.

## Formula Scoring 2011

The most significant change is the increase in the score for Design, along with a reduction in Presentation and Autocross and increase in Skid Pad. It also reflects the increased emphasis on energy reduction/fuel consumption in society. Formula SAE-A is intended to be an educational competition which teaches students about design, teamwork, business requirements, working to the pressures of meeting timelines and recognising that engineers should understand and meet changing societal expectations.

It is not meant to be a premium racing competition. As both Formula Student in Europe and Formula in the USA are changing their future scores to better reflect fuel economy as well as rebalance scoring between the other events (but with slightly different approaches), it is sensible that we also implement changes to the scoring.

The scoring we have chosen is a sensible balance between Europe, USA and local, and should enhance the attraction of the competition. The revised scoring has not added any new criteria and, by modifying the balance between points for some events, provides flexibility for all types of engines and vehicles without advantaging or disadvantaging any team. The revised scores reinforce the value of designing and building a well balanced vehicle, as has always been the intent of the competition. The following chart highlights the old and the revised scoring for your information. Please note the revised event scoring can be found in the "Event handbook" on the Formula SAE-A website. Refer to the attached link <http://www.saea.com.au/wp-content/uploads/2010/11/2011-Event-Handbook-Draft-v2.pdf>

Revised Event Scoring 2011	2011 SCORE	Out-dated Event Scores
<b>Static Events:</b>		
Engineering Design	200	150
Presentation	50	75
Cost Analysis	100	100
	350	325
<b>Dynamic Events:</b>		
Acceleration	50	75
Skid-Pad	75	50
Autocross	100	150
Fuel Economy	125	50
Endurance	300	350
	650	675
<b>Total Points</b>	<b>1,000</b>	<b>1,000</b>

