

# WARWICK FORMULA STUDENT NEWSLETTER

Issue 2



## WFS Progress

In the past month the emphasis has moved from design to manufacture as everything becomes finalised. The chassis tubes were EDM wire cut over the Christmas break and the spaceframe welding has now been completed. The first few components have also gone off to manufacture including the pedal box, wishbones and hubs. We are now ordering components daily with our inventory slowly building up and our next target is to have an assembled car by April 2<sup>nd</sup>.

We are also moving forward with the dyno testing of the engine and designing a wiring loom provided by St Cross Electronics. Our aim is to improve our performance in a cost effective manner to ensure we can be very competitive at the competition.

Our competition preparation has also started, with the cost report coming together and agreements being made with companies such as Showtrax who will be providing pit equipment for us at Silverstone.

### Also in this Issue:

- Johnson Controls supporting the green future of WFS
- The First WFS Event
- WFS goes to Autosport 2010
- Chassis tubes are EDM wire cut with the help of Rotadata
- New shocks arrive
- Right Group and Sharp join as sponsors



Welded Spaceframe



[www.formulastudent.warwick.ac.uk](http://www.formulastudent.warwick.ac.uk)

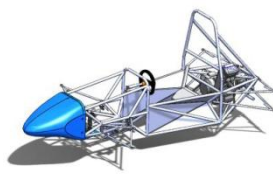


Photo by Ben Firshman

## WFS EVENT 11<sup>th</sup> FEBRUARY

On the 11<sup>th</sup> of February the WFS team hosted a Re-launch event aimed at showcasing the new team, with a new car design and a new philosophy. There was a turn out of around 80 people, including sponsors, guests and university staff and students. The evening included a speech from Howard Neal, one of the Project Directors and presentations from Ashley Pearce, the Project Manager and Stephen Crownshaw of EOS.

The evening displayed our considerable progress this year towards a completed car and also highlighted our new strategies to manage the project. The focus was also on

the commitment the team have in building and cultivating relationships with external suppliers, businesses and professionals as well as internal staff, departments and societies within the university.

This includes our newly founded links with Warwick Business School students and Warwick TV, which should help us with the marketing side of the Formula Student competition as well as leaving a legacy of camera footage for future teams to use in their sponsorship efforts.

We would like to thank all those who attended and helped us at the event.

*-Rhiannon Stone, Sponsorship and Finance Team Leader*

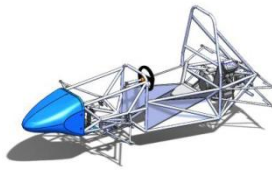
## Johnson Controls and the Green Future of WFS

This year we are working with Johnson Controls, who provide innovative automotive interiors and will this year be supplying us with the materials to begin our sustainable journey.

In 2011 the intention is for Warwick to enter Class 1(A) of the IMechE Formula Student competition; the sustainable class. In order to reach this goal we will be using the W10 car as a test bed, this will involve us creating an ideal chassis which can be used by the W11 team in the green class. It also means we will be beginning to investigate and use sustainable materials.

The seat is one area where we will be introducing sustainable materials; with help from Johnson Controls. Our Eco-seat will be made from coconut and bamboo and we are also looking to design an Eco-headrest.

Thanks to Tony Price and the School of Engineering at Warwick for supporting our entry in to the 2010 IMechE Formula Student Competition



## Autosport 2010

On the 14<sup>th</sup> and 15<sup>th</sup> of January we had the exciting opportunity to take one of our previous cars to the Autosport Show in the NEC and have it on display on the Varley Red Top stand. Varley Red Top have supported us for many years, supplying batteries, informing us about battery care and supporting our Formula Student endeavours, we of course thank them for the opportunities they have offered us.



Thanks to Tony Vaughan and Dave Turner at Rotadata for EDM cutting the profiles of our space frame tubes. They used EDM wire cut to create complex contours to make welding much easier. Please contact them on 01332 614224 for all your EDM needs.

## New Sponsors

Right Document Solutions Limited (RDS) have come onboard as our sponsors with their associates SHARP. RDS has been well established as a prominent technology provider in the past 20 years. They manage clients' print/copy/scan and archiving requirements on a nationwide and pan-European basis and look to reduce clients costs in this area. One of its key partners is the market leader SHARP, with whom they've had a prolonged professional relationship. For both companies, innovation is one of the cornerstones of their success. RDS is proud to be associated with the innovations that the students of Warwick University are looking to deliver.



The team have taken delivery of a set of tuned shock absorbers supplied by MOJO Suspension. The shock absorber choice is representative of the team's strategy this year to establish industrial links. Being budget aware has allowed us to make considerable cost savings whilst improving performance and developing an important business relationship. We'd like to give special thanks to the guys at MOJO, especially Robbie who has provided information and support throughout.