

TECHNICAL PRESS INSIDER

31st July 2008

The newsletter for editors from *fishermarketing*

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Welcome to the latest issue of the *Technical Press Insider*, the electronic newsletter for editors in the technical media. *Technical Press Insider* contains summaries of some of the most important stories we've released this month, plus a few what's-on items you might find useful. And remember, you can get copies of all the press releases that we have issued on behalf of our clients from the press office on our website at www.fishermarketing.co.uk

If you think the content would be of interest to a friend or colleague please feel free to forward it, asking them to send their email address to join-tpi@fishermarketing.co.uk so they can receive future issues direct. To be removed from the circulation list, send an email to leave-tpi@fishermarketing.co.uk or to change the email address it's sent to, hit reply and let us know.

John Fisher

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Thought for the month

The way forward

Earlier this month I had the honour and great pleasure to be a judge for the Institution of Mechanical Engineers "Formula Student" competition. I was judging the presentations but there were other judges for cost and design.

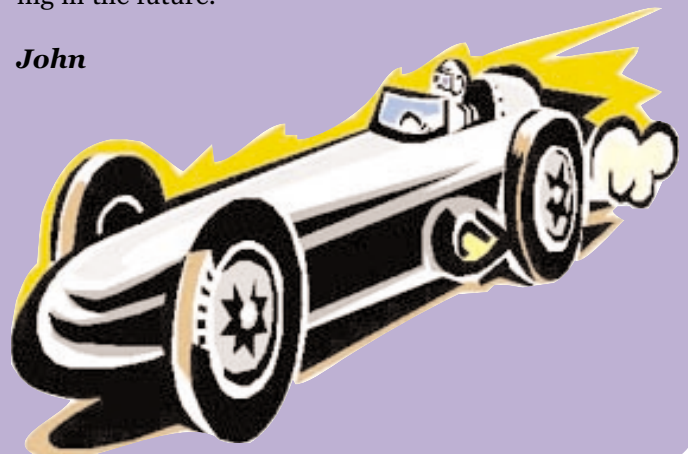
Students from all over the world compete in several classes of competition to design a single seater racing car. Classes two and three are purely design exercises but Class one requires an actual car to be built. As well as Design, Cost and Presentation, there are dynamic events covering acceleration, skid pan, sprint, endurance and fuel economy.

The enthusiasm, time and effort spent and obvious skills of the people involved are truly amazing and I found the whole experience very rewarding.

From time to time we hear stories of apprentice schemes being reinvented and I wonder if we are seeing a genuine revival in this Country of the appreciation of engineering and the training that needs to go into producing tomorrow's engineers. I certainly hope so.

"Formula Student" inspires everyone who gets involved in it and has attracted sponsorship from major players in the automotive, formula one and general engineering fields. As the competition goes from strength to strength we congratulate the I Mech E and hope that there will be many other such innovations for engineering in the future.

John



If you would like to comment on this or anything in TPI please drop us a line on john@fishermarketing.co.uk

Publishing Talk

David Keighley has left *Centaur* but will be pleased to have a cup of tea with anyone who happens to be in Tunbridge Wells or Central London. You can get him on his home number 01892 542087

We would like to congratulate **Carolyn Ellison**, who has taken over the role of Editor of *What's New in Industry* from David. Carolyn can be reached at Carolyn.Ellison@centaur.co.uk

As you might expect, the *Technical Press Insider* is the ideal vehicle for gossip, rants, jobs, freelancing opportunities and all manner of publishing activities... oh yes, and news. So, if you have something to say or you want some help, drop us a line and we will see what we can do.

Headline Makers

Contact Fisher Marketing for the full story on any of these items

Responding to the needs of the aviation manufacturing industry, a leading manufacturer of servo-hydraulic and servo-electric drive systems has developed a new version of its second generation radial piston pump, customised for use with aggressive phosphate ester hydraulic fluids, such as Skydrol and Hyjet. The specialist pump is available in 19, 32 and 80cm/rev variants, in single or tandem pump arrangement, with a maximum operating pressure of up to 350bar, and provides the option of either pressure compensator control or load sensing control.

Protection of personnel and equipment is a main concern on the plant floor. At the same time, safety systems should be designed to offer flexibility and promote productivity. The new Allen-Bradley SensaGuard family of RFID-coded, non-contact switches from a leading automation supplier meets all these design needs – a marketplace innovation.

The new insulation tester from a manufacturer of electrical test & measurement equipment is nothing if not noticeable. With its distinctive design, the IN2102 Digital Insulation and Continuity Tester has a large, easy-to-read, backlit, 5000 count display screen, plus analogue as well as digital indicators to allow users a choice. The tester is designed to perform in accordance with international standards, including BS7671 (17th Edition), and complies with BS EN 61010 and BS EN 61557; it is fully specified, displaying insulation test voltages of 250, 500 & 1000V and measures insulation resistance from 0.200M Ω to 5000M Ω .

A leading torque tool manufacturer has developed an innovative torque multiplier for the subsea tools market. Designed as an adapter to allow API 17D Class 4 intervention torque tools to generate the torque required to handle Class 7 applications, the new torque multiplier delivers a higher level of accuracy than alternative solutions, and increased flexibility in use through its added-value features and its ability to be configured in two standard lengths.



A new white paper from a leading automation supplier reveals how progressive manufacturers are focusing on safety automation solutions to keep their people safe, their machines working and their bottom lines robust. The paper credits this focus to the adoption of deploying a “holistic approach to safety,” which emphasises global standards, innovative technologies, trained personnel and ongoing risk assessment, all working together.

The HSE's speedy prosecution in June of a North Wales company where improperly guarded machinery caused injuries to two employees shows that it is far from backward when it comes to enforcing safety legislation – and rightly so. In a statement, the HSE urged employers to look again at the Provision and Use of Work Equipment Regulations (PUWER) 1998 to ensure that their safeguarding measures comply with the law. To address this failing, A CE Marking specialist is now offering a University Certificate in Professional Development (UCPD) in Machinery Safety. The first of its kind in the world, the specially tailored machinery safety course marks the first step in Laidler's expansion of its training services, and sees the use of the company's virtual reality technology to put a fully functioning machine within any training room.

Cont...

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Headline Makers

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A leading automation supplier has added new connector capabilities to its RS PMX MES software to help life sciences companies more easily exchange data between enterprise resource planning (ERP) and other plant-floor applications. The enhanced functionality helps provide connectivity between RS PMX MES and the company's FactoryTalk Integrator, enabling manufacturers to transmit data to or from multiple plant or business applications such as ERP, document management systems and laboratory information management systems (LIMS).

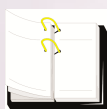
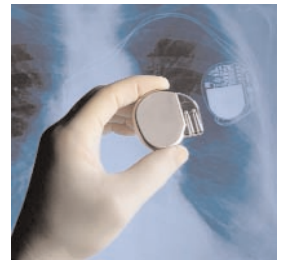
A company who distributes test and measurement equipment has recently restructured. The CEO said "Recent market conditions have forced us to look critically at the way in which we operate our business. Following this we have made changes which are consistent with our strategy to go forward."

Three control valves from a leading manufacturer of servo-hydraulic and servo-electric drive systems have received homologation (granting of approval) from the FIA for use with the 2008 Standard Engine Control Unit (ECU). To race in events such as Formula One, a vehicle and its constituent components must be homologated by the FIA (motor sport's world governing body). Therefore, achieving FIA homologation [approval] means that only the components listed can be used in specific Formula One applications.

For manufacturers across every industry, the pressure to comply with increasing safety legislation is acute, adding to a company's costs yet often delivering compliance to the detriment of productivity. However, in dramatic contrast to this picture, the message from a leading automation supplier is that a holistic approach to machinery safety can actually help to increase productivity, and so deliver a defined return on investment while contributing to the safety of operators and the plant in general.

Although measurement of the torque applied to a bolt or other threaded fastener during tightening provides sufficient feedback in most applications, there are more specialised tasks where measurement of the fastener tension is essential to ensure the integrity of the mechanical joint. To address this requirement, a leading torque tool manufacture has introduced the USM-3 ultrasonic bolt meter – a compact, lightweight, field-portable unit that gives precise measurement of elongation and load in threaded fasteners.

Recognising the need for a dedicated solution to help meet the unique needs of medical device manufacturers, a leading automation supplier has pioneered a fully integrated automation and information solution for medical device manufacturers to help them achieve competitive compliance by automating key quality processes.



What's Happening?

PPMA Show – NEC, Birmingham – September 30 – October 2

Northern Manufacturing Exhibition – Hallam FM Arena, Sheffield – October 1-2

The Electrical Industry awards – Grosvenor Marriot, London – October 29