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The Titanium Information Group (TIG) is an association of suppliers, design engineers and fabricators of Titanium formed with the intention of promoting the use of Titanium.

Titanium Information Group Member News - Issue 116, August 2011

TIG Update

Adrian Walker bags the Harvey Flower prize for Titanium

This year's Harvey Flower prize has been awarded to Adrian Walker of Rolls-Royce plc for outstanding contribution to the development of titanium.



Adrian, who was nominated for the award by colleague David Rugg also of Rolls-Royce plc, has played an integral role in the development of titanium alloys for critical applications for over 30 years. He has written key internal reports on titanium including those that define mandated practice for the manufacture and safe life calculations of critical parts, and frequently leads major integrated project teams on titanium issues.

The prize was awarded on 12th July at the Institute of Materials, Minerals and Mining in London.

Interested in judging next year's Harvey Flower prize? Contact kathryn.jackson@namtec.co.uk

TECVAC

Jonathan Housden of TECVAC Ltd gave a presentation at the recent TIG members' meeting on their latest developments in coatings for titanium bearings, enabling light-weight, high-load aero-bearings.

TECVAC has developed the technology that enables titanium bearings to be used for aerospace applications by improving its metal-to-metal contact properties through a combination of coating methods. The weight and hence revenue savings resulting from replacing conventional stainless steel and copper alloys in aircraft bearings with titanium are significant; a saving of £7.6m is estimated for a weight reduction of 500kg over a 20 year life of a commercial airliner.

The coatings that were investigated were triode plasma treatments (e.g., nitriding and/or oxidation) followed by PVD coatings. Jonathan's presentation and further



Calendar

Events

8th September 2011
[Marine Renewables >>](#)

28th September 2011
[National Launch of the NAMTEC Manufacturing Forum >>](#)

20th September 2011
[2011 Aerospace, Aviation & Defence KTN Conference >>](#)

4th November 2011
TIG Meeting -
Please register your attendance or apologies with christine.lane@namtec.co.uk

Click on the events below to submit your interest and receive further information shortly:

[Carbon Capture & Storage, Case Study - October, South Yorkshire >>](#)

[Biomass and Energy from Waste - 27th October, Rotherham >>](#)

[2nd European Titanium Conference - 27th and 28th March 2012 >>](#)

Training

6th September 2011
[Metallurgy for Absolute Beginners \(1 day\) >>](#)

8th September 2011
[Metallurgical Principles of Casting \(1 day\) >>](#)

13th September 2011
[Metallurgy for Non Metallurgists](#)

information on a TSB innovation case study are available in the [members' area](#) of the TIG website.

For more information, contact jonathan.housden@tecvac.com.

TWI Showcase the Latest in Developments for Welding of Titanium

Richard Freeman gave a presentation on TWI's latest developments in welding of titanium at the July TIG members' meeting. The presentation featured an array of technological developments, including the latest in arc welding, friction welding, laser welding and laser deposition, and thermal spraying.



Richard's presentation is available in the [members' area](#) of the TIG website (available to TIG members only).

Next TIG Members' and Council Meeting – Friday 4th November, JRI, Sheffield

The next TIG members' and council meeting will be hosted by orthopaedic solutions provider JRI. JRI will present their latest developments in titanium medical devices, and the meeting will include a tour of their state-of-the-art manufacturing and demonstration facilities.

Please register your attendance or apologies with christine.lane@namtec.co.uk

Titanium for biomed presenters wanted

The next TIG meeting will have a biomedical theme. If you are interested in presenting or can recommend a speaker, please e-mail kathryn.jackson@namtec.co.uk

WANTED – Photographs of Titanium in Marine Applications for Presentation at 'Eurocorr' Conference

Carol Powell of NACE has contacted TIG to ask if we can provide images of titanium in marine applications to feature in a presentation that she is preparing for the 'Eurocorr' conference on 8th September in Stockholm. The images are required to accompany a keynote presentation that Carol is giving on a publication that NACE have recently produced entitled "The Corrosion Performance of Metals for the Marine Environment-A Basic Guide".

If you are able to provide any images or require further information, please e-mail carol.powell@btinternet.com.

[\(2 days\) >>](#)

20th September 2011
[Sustainability Energy & Environment \(3 days\) >>](#)

27th September 2011
[Metallurgy for Non Metallurgists \(2 days\) >>](#)

Join TIG

Are you interested in joining TIG? Click [here](#) to sign up.

Market Watch

Aerospace

[Aerospace Industry – Key Driver for Titanium Market According to Merchant Research & Consulting Ltd](#)

[Russia buys Boeing, gets engineering jobs and titanium sales](#)

[RTI Signs Long-Term Engine Supply Agreement](#)

[Allegheny Teams with Rolls Royce](#)

[SKF signs contracts to supply rod assemblies and titanium bearings for Bombardier's new CSeries aircraft](#)

[Asco Industries and Alenia Aeronautics Sign a Life of Program Contract for the Supply of Machined Parts for the Boeing 787 at the Paris Airshow](#)

[EADS, Aubert & Duval, Eramet, UKTMP Sign Titanium Supply Deal](#)

[MT Aerospace to supply 81 propellant tanks for Iridium NEXT Satellite Program](#)

[Aerospace Machining Centre Planned in Mexico](#)

[Precision Castparts Corp. Creates Aerostructures Platform With Strategic Acquisition of Primus International](#)

[Titanium Metals Corporation extends long term supply deal with Boeing](#)

Titanium Industry

[CSC to get into titanium metal development](#)

[Research and Markets: New Research Presents an In-depth Analysis of the US Market for Titanium](#)

Technology Watch

Powder Metallurgy

[New aerospace and automotive possibilities for PM titanium](#)

[Additive manufacturing can get us more from ore says CSIRO titanium expert](#)

Machining

[New 5/6-Axis Machining Centre For Cutting Titanium](#)

[Delivering speed, torque and capacity](#)

Biomedical

[Porous titanium products for biomedical applications](#)

Aerospace

[Aerospace industry flies high](#)

Manufacturing

[Nippon Steel Unveils Faster Way To Produce Titanium Sheet](#)

Coatings and Surface Engineering

[Tapping titanium's colourful potential](#)

[Titanium Quick Release Pins exhibit corrosion resistance.](#)

Have you joined our Associate Network on Linked In?

The Titanium Information Group Associate Network on Linked In is free to join and open to anyone with an interest in titanium. This is a platform from which you can promote your products and services and keep your finger on the pulse of the titanium industry. Sign up [here](#).

Do you have an article for Market and technology Watch?

We are interested to hear about any new developments in titanium and associated technologies for our next issue of Market and Technology Watch. If there is anything that you would like to be featured, please contact Kathryn Jackson (kathryn.jackson@namtec.co.uk, 01709 723956).

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