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Welcome to the July edition of What's Emerging.

There is no article this week because Paul is a lazy bastard. Actually he is away on holidays until next Sunday and he will post an article when he gets back as long as the snow hasn't claimed him. Hopefully the newsletter is exciting enough without the article.

Cheers

Paul Higgins, Sandy Teagle, Syed Ahmed Muqthar and Samantha Kyle-Little

Business Tip

Anti jetlag diet

For those of you that travel a lot internationally, or those going for a holiday the effects of jet lag can be debilitating. The anti-jet lag diet was developed with research on military personnel changing time zones. It involves manipulation of the diet before you travel, manipulation of caffeine intake to shorten sleep cycles at the right time, and altering your diet when you arrive to suit the right time of the day. Give it a go and tell us whether it helped or not.

Emerging issues from around the world

Click on the titles to read the full stories.

Just by accident there is an emphasis on nanotechnology stories this month.

Nanotechnology for cancer

If you are interested in looking at how nanotechnology might be applied to medicine this National Cancer Institute site has a great slide set on various applications in cancer detection and treatments.

Paid blogging

In another challenge to conventional journalism Scooptwords is providing a service to bloggers to sell their content for republishing. Bloggers simply put the Scooptwords connection on their blog and people can purchase blog articles for re-publishing

anywhere in the world with Scoopt taking a commission

Tiny health sensors

Transonic is developing tiny health sensors that can be implanted into the body with the ability to sense changes and transmit data. They expect these sensors to be implanted in animals to monitor blood pressure changes for experimentation within five years with human applications for sensing organ health, blood pressure, eye pressure (for glaucoma sufferers) and chemical changes to follow.

Handbags from waste

Ecoist is making handbags from recycled candy wrappers – making unique bags that also have environmental appeal

Mobile phone tickets

Mobiqa is rolling out a service that allows mobile phone users to receive tickets as a barcode that is sent via SMS to mobile phones. This code can then be scanned at events as a normal ticket. This is one of a number of services being rolled out for mobile phones that will change the way that we use them.

Cheap desalination

Lawrence Livermore National Laboratory has developed a carbon nanotube and silicon based membrane filter that could cut the cost of desalination by 75%

Masses of cheap solar

Nanosolar has announced that it is planning to build a production facility to add over 400 megawatts of solar energy supply a year. Nanosolar are claiming that their new production facility has the capacity to produce capacity that will make solar energy competitive with conventional electricity production.

Top 10 environmental technologies

With forecasts of 2.9 billion extra people by 2025 and 60% increases in energy needs by 2030 we need to look at how we are going to manage scarce resources. This web looks at a possible top 10 technologies to achieve this – some surprisingly old.

The perfect battery

Researchers are working on carbon nanotubes that can quickly store and release energy. Imagine a battery that can be recharged hundreds of thousands of times and an electric car that could be recharged at the same rate you can currently fill up your petrol tank.

Foam cars

Bicycle helmets have foam in them because in an impact the energy required to crush each individual air pocket reduces the impact. Metcomb, a nanotechnology based manufacturing company has now done the same with aluminium. Developments such as this have the ability to significantly reduce the weight of motor vehicles, and therefore significantly reduce fuel consumption.

Neuron stimulating drugs

Drugs that stimulate the growth of new neurons in the brain may become the basis for the treatment of neurodegenerative disease and even depression

What Are We Writing About

There is no article for this edition but next week we will post an article on the site about what sort of strategies should be used to create sustainability after recent news reports that a person in the UK has been prosecuted for not sorting their recycling properly.

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