HealthManagement
Promoting Management and Leadership

Frost & Sullivan: The 50 Most Innovative Technologies in 2013

Up to 85% of technologies developed globally never make it to the commercial world. Business and investors need to closely assess the potential of a given technology platform to understand the true market prospects it holds and to evaluate the risk-reward elements.

50 of the most innovative technologies in the world identified by Frost & Sullivan will be unveiled at GIL 2013: Europe - The Global Community of Growth, Innovation and Leadership Annual Congress.

During the upcoming **GIL 2013: Europe on Tuesday, 14 May 2013** , Frost & Sullivans Practice Director for Technical Insights (Europe), Ankit A. Shukla, will present the results of the unique research platform 'TechVision 2020: A Systematic Innovation Serendipity Engine˝ in London. This research unveils the 50 most innovative technologies set to dramatically transform industries, strategies and businesses in 2013.

The selected technologies that will be discussed at the congress spread across 9 sectors - **Health & Wellness, Medical Devices & Imaging Technology**, Advanced Manufacturing & Automation, Sensors & Control, Materials & Coatings, Clean & Green Environment, Information & Communication Technology, Microelectronics, Sustainable Energy - and represent the bulk of R&D and innovation activity today.

"Apart from identifying the top 50 technologies for 2013, our global technology team has identified various convergence opportunities enabled by a combination of the technologies. We believe these identified opportunities represent exciting times ahead for the multitude of industries and markets they will impact˝ remarks Shukla.

Convergence opportunities can be found across various industry sectors. One of the most interesting ones is self-healing organs. A few years ago, this was just a topic for science fiction literature and movies; now it can be achieved by the convergence of the following technologies: Carbon Fibres, Polymer Chameleons, 3D Printing. The combination of these technologies will reduce the amount of tissue rejection and also the presence of polymer chameleons that can be engineered to self-heal in case of damage and wear and tear.

Another example is interactive **Augmented Reality** (AR) that can be enabled for **predictive remote patient monitoring**. Capabilities converging in this case are ICT Technologies (Augmented reality; Cloud computing; Big Data Analytics; Data visualization) and Sensors (Ubiquitous wireless sensor network; nano-sensors and CBRNE sensors). The combination of selected ICT and sensor technologies could provide **personalised disease management** tools that help better manage predicted symptoms, chronic illness, and episodic acute conditions.

TechVision 2020 showcases each selected technology, closely assessing the potential of a given technology platform to understand the true market opportunities, while evaluating the risk-reward elements. It appraises technology maturity and adoption ratings, possible year of impact and patent landscape, examines private and government funding trends, and explores future technology and application roadmaps. And more interestingly, the output assesses future convergence opportunities as well as the next waves of innovation that will have a lasting impact on industries and markets.

"Investors need to understand the potential of their technology and the true value it can bring. Innovative products are different; they are not in compliance with existing standards. Sometimes, revenues are not so obvious and ROI can take more time. The important aspect here is to educate end-users and society about the benefits innovative technology and products can bring," summarises Shukla.

For more information on joining this unique global community, or to attend GIL 2013: Europe, send an email to Anna Zanchi, Corporate Communications, at anna.zanchi@frost.com

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