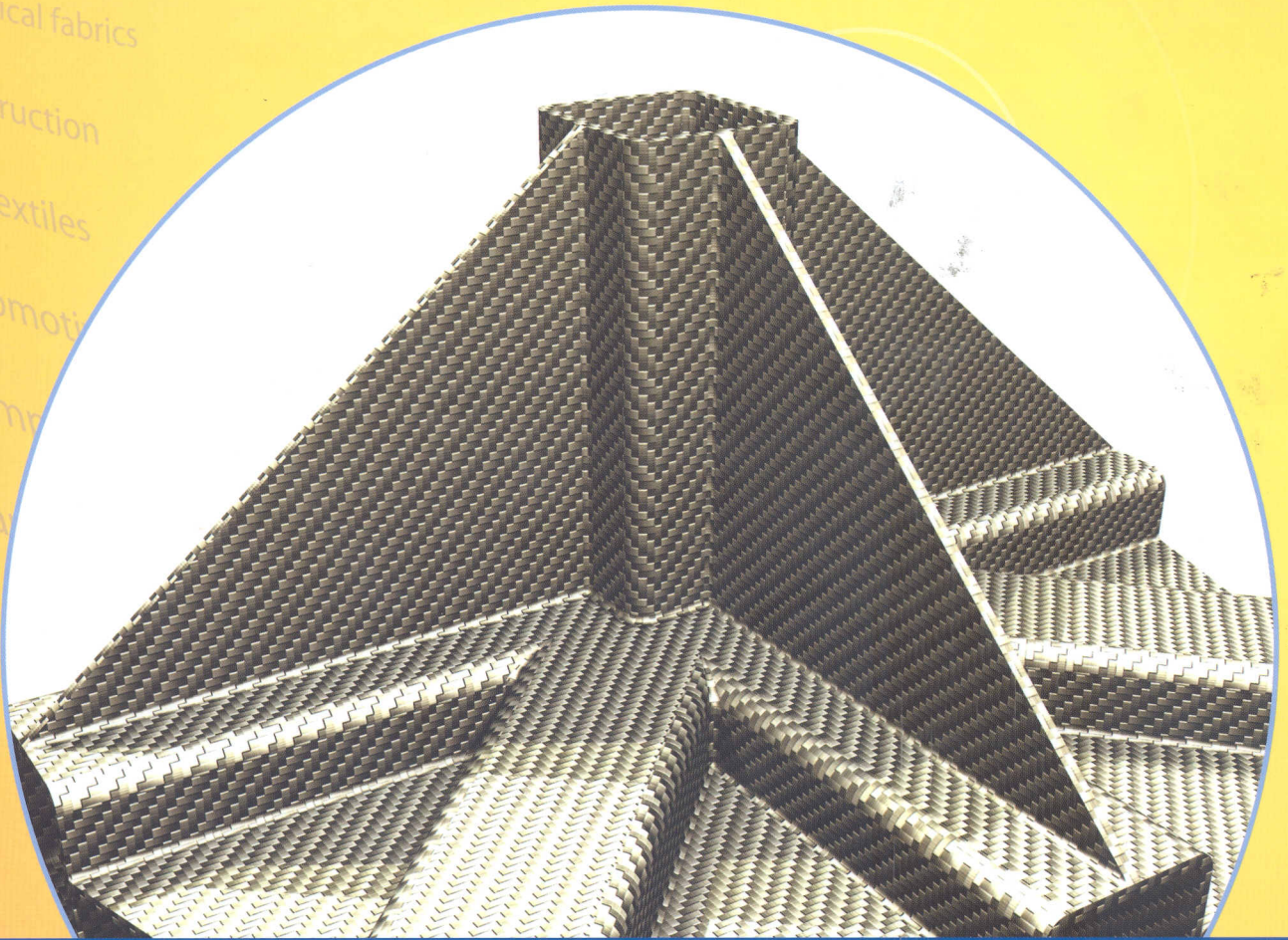


safety and protection
performance fibres
intelligent textiles
sports and leisure
medical textiles
technical fabrics
construction
geotextiles
automoti
com
la

TECHNICAL *Textiles* international

FEBRUARY 2011



- *High-technology composites ready for mass production?*
- *Geotextiles profit from Indian roads*
- *IFAI Expo Asia, JEC and Tectextil*
- *Coating and laminating advances*



IN

TECHNICAL *Textiles* international

CONTENTS — FEBRUARY 2011

COMPOSITES

- 2 JEC Composites spreads its wings to cover the whole world
- 7 Can carbon really replace steel and natural fibre replace glass?

GEOTEXTILES

- 13 India's road agencies look to latest geotextiles and technologies

EXHIBITION PREVIEW

- 17 Whole supply chain will be on show at *Techtextil North America*

SPORTS AND LEISURE

- 29 Sports—a niche market with high added value and wide scope

COATING AND LAMINATING

- 33 Breakthrough coating technologies driving markets worldwide

News and regular features

- 41 **Business, industry and products**
 - Hollingsworth & Vose forms joint venture with Nath Group to manufacture in India
 - Swiss partners improve artificial turf
 - Low & Bonar and Natpet to make geotextiles in Saudi Arabia
- 42 **Equipment and processing**
 - Long-life cutting blades with reduced needs for maintenance
- 43 **Events**
 - *Techtextil North America* redevelops its symposium structure to meet current demands
 - Fiftieth anniversary of *Man-made Fibers Congress* prompts organizer to look to the future
 - Industrial Fabrics Association's Expo makes its debut in Asia
- 45 **Diary of events**
- 48 **Index to advertisers**



Delegates and speakers, such as Keynote speaker Marc van Parys, enjoyed many discussions during the intervals of the International Conference on Textile Coating and Laminating pages 33–40.



Our latest contributor, Samuel Joseph, reports on the opportunities for sports textiles in India pages 29–32. Also, read how Swiss researchers have developed a bicomponent fibre for better artificial turf page 41.



With a total investment of more than US\$150 billion (Rs6750 billion) in just two of India's ambitious road development programmes, the potential for geotextiles is enormous pages 13–16.

ANet

<http://www.technical-textiles.net>



Cover pictures:

An important part of the drive towards the mass production and more widespread adoption of advanced composites is the development of three-dimensional technologies that allow near-net-shape reinforcements to be woven from such as carbon fibre. This example, developed by a consortium led by Sigmatech, has won the Process category in this year's JEC Innovation Awards pages 2–6, 25–28. RKW's roof underlay is strong, lightweight, waterproof and resistant to rips and tears, mould, mildew, insects, vermin and rot. Visitors to the company's stand at *Techtextil North America* in March can learn more or read our exhibition preview pages 17–24.

Part of Technical-Textiles.Net, *Technical Textiles International* is published eight times a year by International Newsletters Ltd and is available online at: <http://www.technical-textiles.net>