

Second announcement and call for papers

SEVENTH WORLD CONFERENCE ON
3D FABRICS AND THEIR APPLICATIONS
(<http://3dfabrics.ensait.fr/>)

Closing date for submission of abstracts for oral presentation: **April 30, 2016**

Review and decision notification: 29 May 2016

Deadline for full paper submission: 24 June 2016

**Ecole Nationale Supérieure des Arts et Industries Textiles (ENSAIT), Roubaix,
FRANCE
8-9 September 2016**

**Organised by TexEng Software Ltd, Manchester, ENSAIT-GEMTEX, University of
Lille, France.**

**Conference Co-Chairs: Professor John W S Hearle, Associate Professor François
Boussu**

The official language of the conference will be English.

3D textiles, in the forms such as solid, hollow, shell and node, demonstrate attractive characteristics in structures and properties and have found applications in many advanced fields, including aerospace, automotive, railway, truck, medical, and protection. Technologies involved in manufacturing 3D textiles include weaving, knitting, braiding, embroidery, filament winding and nonwoven. Development of advanced manufacturing technologies, investigation into structures and properties, and advanced applications of 3D textile based materials remain to be the main concerns. This series of conference serves as an international forum where deep level concerns regarding 3D textiles and applications are addressed.

This series of conferences started in Manchester UK in 2008 by Professor John Hearle and Dr Xiaogang Chen of TexEng Software Ltd with more than 150 attendees from the industries and academia. The Conference continued in Greenville, SC, USA in 2009, Wuhan, China in 2011, Aachen, Germany in 2012, Delhi, India in 2013, and Raleigh, NC, USA in 2015, and it has become one important event for the global textile and application communities. The conferences have proved to be popular among academic researchers as well as industrialists working in technical applications of textile materials and structures.

We are now pleased to announce that the seventh conference of this series will take place in the Roubaix, France during 8-9 September 2016, hosted by ENSAIT, one of the leaders in textile engineering education and research in the world with a strong activities in 3D textiles.

We kindly ask you to inform your colleagues and spread the information about the conference among your contacts.

We look forward to seeing you in Roubaix (France) next September 2016.

Conference Co-Chairs
Professor John W S Hearle and Associate Professor F. Boussu

Main topics

The themes of this conference are at least:

Advanced textile technologies and materials: 3D FABRICS

- woven
- braided
- knitted
- nonwoven
- multilayer flat sheets
- 3D shaped solids
- hollow fabrics
- 3D shells
- multiple connections

Engineering and manufacture of 3D textiles and composites

- design
- machine control
- manufacture
- structure & geometry
- modelling
- mechanical properties
- other performance features
- testing
- techno-economics

Advanced applications of 3D textiles and composites.

- aerospace
- automotive
- marine
- military
- construction
- medical & health
- protection
- smart materials
- garments

ABSTRACT SUBMISSIONS

The organisers invite authors to submit a one-page abstract for each paper that they wish to be considered for inclusion in the oral and/or poster programme for the conference. The abstract should contain sufficient information for a valid decision to be made on the merits of the paper and its relevance to the aims of the conference. Authors should indicate whether they prefer an oral or a poster presentation. **Closing date for submissions intended for oral presentation is April 30, 2016. Poster abstracts can be considered and accepted by a later date.**

PUBLICATION

Oral and poster papers to be presented at the conference will be given to delegates on a USB key at registration and proceedings book (ISBN). Full copies of papers should be submitted by June 24, 2016.

PARTICIPATION

The programme for the conference and full details on registration and attendance are available at <http://3dfabrics.ensait.fr/>. **All speakers will be expected to register as delegates for the conference and pay a conference fee.** Travel and accommodation expenses are the responsibility of each delegate and no direct compensation is awarded for speakers at the conference. Your submission of an abstract testifies to your acceptance of these financial conditions.

SEVENTH WORLD CONFERENCE ON 3D FABRICS AND THEIR APPLICATIONS

(<http://3dfabrics.ensait.fr/>)

8-9 September 2016, ENSAIT, Roubaix, France

ABSTRACT FORM

Name: Title (Prof, Dr, Mr, Mrs, Ms):

Organisation:

Address:

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Postal/Zip code: Country.....

Phone: Fax:

E-mail (please type or print):

I wish to present a paper/poster (please indicate preference): abstract attached below.

Title of abstract:

Please tick the boxes below only if they are relevant.

I wish to receive the detailed information on the Seventh World Conference on 3D Fabrics and their Applications. [Information will be sent automatically if you have submitted an abstract.]

Please send me details of exhibition/wallet service.

My organisation is interested in sponsoring the Seventh World Conference on 3D Fabrics and their Applications.

PLEASE RETURN THIS FORM TO: francois.boussu@ensait.fr

Closing date for submissions intended for oral presentation is 30 April 2016.

ABSTRACT (no more than 500 words). Please type here or copy and paste from your word document.