



Edito

Fibres & Talents Competition! Students & textile innovation

By Bruno MOUGIN – Projects Manager

The textile sector is constantly renewing itself! Today's students are our talents of tomorrow.

Techtera has organised its **first Fibres & Talents competition to highlight student textile innovation projects**. This is a great opportunity to **promote the diversity of training courses required by the textile industry**: design, scientific and technological studies, engineering studies, research degrees, etc.

Three Techtera prizes and three sponsor prizes (totalling more than €2,000 in rewards and lots of publicity for the winners) were awarded during the event of July 22, 2021:

The six winners, from the three major textile regions of France and the Île-De-France area, presented very diverse projects in three categories - key areas of textile innovation for the innovation cluster:

- [Advanced materials and high-performance materials \(including smart textiles\)](#)

BONHOMME Eléonore & KNOELL Laura (ENSISA) - [ELKEM SILICONE](#) sponsor price

Subject: Collection of examples based on textiles with metallic filaments

DIATEZO Leopold (INSA LYON) - Techtera price

Subject: Heated textiles (in partnership with TESCA Group)

- [The circular economy and new business models](#)

REGNIER Julie (ENSAIT) - [PORCHER INDUSTRIE](#) sponsor price

Subject: CNT based humidity sensor

ERARD Annaëlle (ENSAIT) – Techtera price

Subject: Alginate spinning using brown algae

- [The industry of the future and digitisation](#)

BOUILLON Corentin (ITECH) - [SCHAEFFER PRODUCTIQUE](#) sponsor price

Subject: Agile prototyping and model-free manufacturing (in partnership with ETISENSE)

DREWS Juri-Apollo (ENSAD) - Techtera price

Subject: Design & weaving technique avoiding production waste

We wish to thank the three sponsors, major players in the textile industry, who were able to highlight the importance of the relationship between manufacturers and training: Elkem Silicones, Porcher Industrie, and Schaeffer Productique; also, our partner Unitex, a regional textile union, which very much supported this initiative.

Focus

Digitisation: A key theme for the textile industry!

The evolution of technologies, consumption patterns and the disruption of supply chains in recent years have led manufacturers to ever more flexibility, agility and efficiency. Faced with competition from low-cost foreign countries, French industry must innovate and **offer increasingly specialised and distinctive services**.

These developments are accompanied by **digital changes** for which the Techtera innovation cluster is adapting its offer to be ever closer to its members and support them in their transformation.

To do this, Techtera has set up:

- **The “Industry of the Future Club ICI4.0”**, which brings together manufacturers who want to learn more about Industry 4.0, through the exchange of best practices, monitoring new technologies, visits and discovery of more mature companies and organisations, etc.
- **A new physical site with the integration of Techterafab**. This is a technical base of 300 m² pre-equipped to accommodate collective innovation projects or demonstrators for prototyping.

The innovation cluster also takes part in projects and events on this theme, in particular through:

- **Participation in the development of two EDIH** (European Digital Innovation Hub), which aim to support textile industry companies in their digital transformation.
- **The organisation of the conference on digital transformation**, a lever for the textile industry, during the TEXTIVAL business convention, for business meetings concerning textiles and flexible materials. This will take place on October 7, 2021 at La Sucrière in Lyon - organised by Unitex, with Techtera.

Techtera thus supports you on a daily basis in the transformation of the textile industry.

Contact: Julie RAFTON-JOLIVET – jrafton@techtera.org

Our services

International trade fairs - a sporting end to the year!

Health constraints have eased, and international events are picking up one after another. As part of its international development plan, Techtera is supporting textile companies at three trade shows during the last quarter of 2021: **A+A** (occupational health and safety), **MEDICA** (health) and **Performance Days** (sport).

Contact: Robin ODDON – international@techtera.org

They are new members



ORION

With a **know-how of more than 25 years** of successful experience in custom work with flexible materials, Orion is positioned as the “Made in France” specialist as regards **ultrasonic cutting and assembly**.

Thanks to a large stock of machines, a mastery of ultrasound and a variety of other technologies, Orion is able to meet all cutting, assembly and welding needs.

To expand its services, Orion has also equipped itself with a **150m² clean room** for all projects requiring work in a Controlled Atmosphere Zone meeting the ISO 8 standard; as well as **a robot dedicated to powder dosing and bagging**.

Orion works in various fields such as technical materials, aeronautics, health, luxury goods, leather goods, perfumery, packaging, paramedics, etc.

Flexible and responsive, Orion supports small and large series projects.

Website: www.orion-fr.com



IREIS

IREIS, a **research institute for surface engineering**, studies the properties of surfaces, improves them, gives them new functions and develops associated industrial systems.

IREIS relies on **skills in the field of thin films and plasma sources**. Also, it develops technologies such as PVD (Physical Vapour Deposition) and PECVD (Plasma Enhanced Chemical Vapour Deposition). These technologies make it possible **to deposit many materials in thin layers** on a wide variety of substrates (metallic, polymers, composites, textiles, etc.). Many sectors are targeted; e.g.: automotive, aeronautics, space.

The properties provided by the coatings are also very diverse and varied; such as reduction of the coefficient of friction, resistance to wear or abrasion, electromagnetic shielding, electrical conduction, corrosion resistance, optical properties, etc.

IREIS also designs and assembles vacuum deposition machines, which are then installed on its various production sites around the world.

Website: <https://www.ireis.fr/en/>

Your appointments with the cluster

September 30, 2021: Impact of the pandemic on the future development and use of technical textiles - Webinar (9h-16h)

In the context of EU-TEXTILE 2030, Techtera is associated in organising the third edition of the European Technical Textiles Exchange Days.

Discover European textile innovation linked to changes in use and application of technical textiles!

This event is organised by IVGT (*Germany's biggest textile association*) in association with ETP, EU-TEXTILE 2030 and CONTEXT.

Programme: [Here](#) - Inscription: [Here](#)

Contact: Bruno MOUGIN - bmougin@techtera.org

October 6-7, 2021: International congress- Color, Materials & Finishes Centre de congrès Prouvé – NANCY - FRANCE

This congress is the essential event to discover new decors, materials, products and services in the automotive decoration industry where design and high-performance technologies must be combined to meet the expectations of customers.

Two days of exchanges, meetings, networking and of presentations: a unique opportunity to meet fellows, to exchange on common topics, to discover new decoration and materials, new products and services, and to attend conferences.

This event will be organized around four themes that build attractive design and perceived quality, taking as well in account **the enhancement of material and decoration durability, and the reduction of their environmental impact.**

For members: You will have the opportunity to participate in the event at a reduced cost.

Contact: Julie RAFTON-JOLIVET – rafton@techtera.org

Octobre 11-15, 2021 : Textiles tomorrow : the circular economy - Webinar

Building on the success of the first edition of the "Textiles tomorrow: the circular economy" week, Techtera, UNITEX, CIRIDD (International Resource and Innovation Centre for Sustainable Development), the Auvergne-Rhône-Alpes Region and the Greater Lyon Metropolis are organising the second edition, from October 11 to 15, 2021.

Round tables will take place, Monday to Wednesday from 8:30 am to 10 am, **then business meetings** will be organised on Friday morning.

This new edition will also include innovative features; in particular a hackathon (*informal event where programmers and others meet for software development*) concerning the circular economy and textiles, bringing together six schools from the region.

On the last day, **Friday October 15, the event will be held at the Pollutec trade fair**; with **business meetings, a round table, hackathon pitches and a cocktail.**

Contact: Kim PICARD-CHAÏBI - kpocardchaibi@techtera.org

October 19, 2021 : Working group CONTEXT – GUIMARAES – PORTUGAL

The five Context work groups (www.context-cost.eu) will meet on October 19.

Open to all (laboratories, companies), their aim is to create projects at European level in the following sectors: health, sport & wearable, construction, transport and PPE (personal protective equipment). Face-to-face format to be confirmed, depending on the evolution of the health situation.

Contact: Bruno MOUGIN - bmougin@techtera.org

October 20, 2021: The CONTEXT Annual Conference - GUIMARAES - PORTUGAL

The CONTEXT network is organising its annual conference. The organisation of **work groups, concerning smart textiles applications for health and sport**, will take place the day before the event. These work groups are open to all.

Contact: Bruno MOUGIN - bmougin@techtera.org

October 26-29, 2021: A+A trade show (PPE) - DÜSSELDORF - GERMANY

A+A is a major trade fair for the **textile industry dedicated to protection, safety and health at work**. The event takes place **every two years** and offers a **comprehensive overview of processes and new materials** in the field of PPE (*personal protective equipment*).

Once again, Techtera will be present at the event to **support firms, in partnership with Business France**.

Twelve companies and organisations are supported by Techtera at the **A+A** show: : **ALPEX PROTECTION - BARRAL - CETI - CLIM8 - EUROPROTECT - IFTH - MANUFACTURE HARTMANN EURO TF – CERNAY PRO - MDB TEXINOV - MITWILL - OTEGO - ROVITEX - TECHNI SANGLES**

We will be delighted to meet you on our stand in the French Pavilion, Hall 9 / C59-3.

Contact: Lucie LAGARRIGUE – llagarrigue@techtera.org

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November 15-18, 2021: Medica trade show (Health) - DÜSSELDORF - GERMANY

Techtera will be present at MEDICA, the **world trade show dedicated to the health sector**, with a delegation of companies. During its last edition, the show welcomed nearly 6,300 exhibitors and over 121,000 visitors from 176 countries.

It is held **in conjunction with COMPAMED**, an event dedicated to raw materials, components and plastics related to the medical sector. **This French pavilion** is organized in partnership with Lyon Biopole, I-Care and Business France.

Contact: Robin ODDON – international@techtera.org

November 29 to December 3, 2021: Apparel Retail Tour - JAPAN/ KOREA

To **strengthen its activities in the fashion and luxury market**, Techtera is launching its first Apparel Retail Tour in Japan and Korea. In **Tokyo and Seoul**, this mission targets **ready-to-wear, lingerie/swimwear and sportswear** companies - **material suppliers or brands**. It aims to **identify concepts and/or products not yet developed in Europe**.

The Apparel Retail Tour will allow participating enterprises to **discover the latest trends through guided tours** in stores, around two main themes: **discovery of new product offers, technical materials and customer experience**.

This date is given as an indication. It may change depending on the health situation.

Contact: Julie RAFTON-JOLIVET – jrafton@techtera.org

December 1-2, 2021: Performance Days (Sport) - MÜNCHEN - GERMANY

Performance Days is the meeting place for fabrics, knits and textile accessories for applications in functional sportswear and sporting leisure.

Contact: Robin ODDON – international@techtera.org

Januray 11-14, 2022 : Salon Heimtextil (Ameublement) – FRANCFORT – GERMANY

Techtera will be present at **Heimtextil**, the main exhibition dedicated to the home textiles market; with more than 2,900 exhibitors and 63,000 visitors.

For the second year, Techtera is organising the "French Savoir-Faire" forum. This promotional stand will highlight the quality, originality and innovation of French companies. Participants will be able to exhibit their flagship products.

*This action benefits from the support of **Région Auvergne-Rhône-Alpes Région**.*

Contact: Lucie LAGARRIGUE – llagarrigue@techtera.org

Life of the members



The Leyton crew, equipped with Meyer Sansboeuf rigging, lead the general classification of the Pro Sailing Tour

Between 3D printing and traditional moulding, the dynamic moulding process, developed by the Lyon start-up **3Deus Dynamics**, is attracting investors, including **Elkem Silicones**.

3Deus Dynamics has developed a unique 3D printing process and has just finalised a **seed funding of €700,000** notably with the **participation of Elkem Silicones**. This **fundraising allows** the company to **develop its first products and services – based on a “Dynamic Moulding” additive manufacturing system**.

Website: <https://www.meyer-sansboeuf.com/>



At Fontanille Scop, we pamper the bees!

After a great victory in the 24-Hour Challenge, the Leyton crew, **fully equipped with Meyer Sansboeuf rigging**, remains at the top of the general classification; thanks to a first place won in Las Palmas during the third stage of the Pro Sailing Tour 2021!

After taking a little over 20 hours to circle Grand Canaria and set sail for Fuerteventura, the crew finally came out on top despite the difficult weather conditions!

Website: <https://www.fontanille.fr/en/home>



Marck & Balsan wins the Polytechnique call for tenders

With a **duration of four years** and **with annual donations from 450 to 500 people**, this contract concerns **the uniforms and accessories of the students and administrators** of the Ecole Polytechnique. These are tunics and trousers, hats and caps, shoulder sleeves, epaulettes and wrist straps, shirts,

suspenders and gloves.

In addition to the supply of clothing and accessories, Marck & Balsan offers additional services: taking measurements, fittings, alterations and review of good condition.

Website: <https://www.marckbalsan.fr/en/marckbalsan/>

Calls for projects

EUROPEAN AND INTERNATIONAL CALLS FOR PROJECTS

Horizon Europe

More information: [here](#)

EiC ACCELERATOR (Clothing: October 6, 2021)

It targets breakthrough innovations with major impacts on:

- Strategic Digital and Health technologies
- Green Deal innovations for the economic recovery

More information: [Here](#)

EUROSTARS (Coming soon)

European funding for bilateral projects, in "enlarged" Europe for companies with high R&D performance.

More information: <https://www.eurostars-eureka.eu/about-eurostars>

Contact: bmougin@techtera.org

CART'TEX

Call for applications for the CART'TEX chart (reserved for TECHTERA members)

Textile companies wishing to join "CART'TEX", the chart of textile skills created by TECHTERA, can make themselves known to Bruno MOUGIN.

The CART'TEX database is the daily tool of the cluster for managing the search for partners for all projects, and for the response to business opportunities.

Contact: bmougin@techtera.org

Techtera

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Auvergne-
Rhône-Alpes

GRANDLYON
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UNITEX
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