

What do you learn

- Gain knowledge, understanding and skills to **realize the innovation potential** in the growing field of smart textiles.
- Understand the state-of-the-art of smart textiles, key technologies, promising **target markets, proven business models** and value creation along the supply chain.
- Position your company or organisation as a **European leader or challenger in smart textiles** innovation.

How do you learn

- The expert-curated **15-month programme** of 12 webinars (2.5/3 hours each) covers smart textile innovation with a 360 degrees approach.
- Connect with key **knowledge and innovation leaders** in smart textiles from across Europe.
- Participate in **live sessions** and review the **course materials** anytime afterwards.
- **Network with your peers** at the final event in June 2022.

Why smart textiles

Smart textiles and wearables are the **innovation frontier for the textile, clothing and electronics industries** that are expected to open up niche markets in several sectors like sports, personal protection, healthcare, smart interiors, fashion, entertainment and gaming. However, the knowledge about key technologies and main players is fragmented.

Therefore, this masterclass combines **insights and latest developments from leading technology developers, industry innovators and end-market experts** across all disciplines of the European smart textiles ecosystem.

Innovating in Smart Textiles

European Masterclass



by Textile ETP

Learning Journey

1 Exploring the world of smart textiles

April to June 2021

2 IoT functionalities and applications

September to December 2021

3 Key technologies and their maturity

5 Technology validation, testing and standards

January to March 2022

4 Target markets, value chains and key stakeholders

6 Life cycle and sustainability

April to June 2022

7 Product-market fit and business models



Final conference and networking event

Each webinar hosts 5-6 live lectures, delivered by recognised experts from technology, industry and end market and a Q&A session. Subscribers have 24/7 access to full video recordings and downloadable materials.

Subscribe by 15 March 2021

Full programme subscription fee: 1,850€
Early bird discount: 100€ until 8 March

Permanent discounts:
300€ for Textile ETP associate members,
100€ for Textile ETP networking members.

One single subscription per organisation
allows multiple experts to enrol in the
programme.

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All validly registered subscribers will receive
their subscription confirmation at least 2
weeks before programme start.

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Leave us your email [here](#) to keep in
touch about the masterclass

Complete course curriculum

Introduction

Getting to know all partners
Establishing common objectives and working
procedures

Module 1: Exploring the world of smart textiles

Smart textiles as human machine interfaces
Why smart textiles are needed? What problem are they
solving: mosquito sting or shark bite?
Main functions and application areas
The evolution of research & technology development
since 2000

Module 2: IoT functionalities and applications

Human data capture and management
System and environmental data capture & management
General trends in minaturisation, energy/data
management & transmission

Module 3: Key technologies and their maturity

Structural textile technologies
Textile surface technologies
Non-textile flexible electronics
Integration and interconnection of textiles and
electronics

Module 4: Target markets, value chains and key stakeholders

Target fields of application: sport, health, protection,
automotive, interiors, fashion
Requirements and value generation in sectoral supply
chains
Engage key players in the value chain

Module 5: Technology validation, testing and standards

Testing protocols and testing methods
European regulations
End-user acceptance and approval

Module 6: Life cycle and sustainability

Life cycles of smart textile products
Sustainability and recycling
Maintenance and technological obsolescence

Module 7: Product-market fit and business models

Generating and marketing added value and UVP,
product sales vs. service subscriptions
Niche vs. mass market: who is the decision maker?

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The Smart Textiles Innovation Masterclass

The masterclass is organised by the European Technology Platform for the Future of Textiles and Clothing with the support of Daniela Zavec from TITERA Innovative Technologies as the technical programme adviser.

To learn more about Smart Textiles Innovation Masterclass visit www.textile-platform.eu or send an email to info@textile-platform.eu

The Textile ETP

The European Technology Platform for the Future of Textiles and Clothing, Textile ETP in short, is the largest network for textile research and innovation in Europe.

It acts as think tank, strategic connector and EU funding access facilitator for textile industry, research, education and cluster organisations.

TITERA

TITERA provides knowledge and technology for smart textile materials and innovative sustainable business solutions.

TITERA bridges the gap between the R&D organisations and the Industry by combining the scientific expertise and engineering know-how on the cross-sectoral level. (www.titera.tech)

The Team



Lutz WALTER
Coordinator



Daniela ZAVEC
Technical Adviser



Judith BOSCH
Programme Manager



Emanuele UBOLDI
Community Manager

European Technology Platform for the Future of Textiles and Clothing (Textile ETP) a.i.s.b.l.

Rue Belliard, 40

1040 Brussels, Belgium

Phone: +32 (0)2 285 48 83



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