

# context

**COST Action “European Network to connect research and innovation efforts on Advanced Smart Textiles” (CONTEXT)  
CA17107**



Funded by the Horizon 2020 Framework Programme of the European Union

## **TRAINING SCHOOL 2019**

**TEXTILES IN BUILDING AND LIVING & TEXTILES IN PERSONAL PROTECTION**

### **CALL FOR TRAINEES**

Deadline for applications (**July 10<sup>th</sup> 2019**)

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**Dates:** 17<sup>th</sup> to 20<sup>th</sup> September 2019

**Venue:**

*Grand  
Leoniki Residence*

GRECOTEL HOTELS & RESORTS

Leof. Machis Kritis 197, Rethymno 741 00, Greece

<https://www.grandleonikiresidence.com/>

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## About the training school:

This training school is a dedicated time for learning and networking based on an appropriate program of lectures on the topic of smart textiles. This short but intensive period allows attendees (trainees & trainers) to share points of view, to discuss topics related to the thematic and generate ideas that could/should be transformed into research & development projects. This is a dedicated time for open innovation at a very high level in Europe.

If you want to progress in the domain of smart textiles, if you want to challenge your own way of thinking, if you want to explore new limits in a collaborative frame, join the first training school of CONTEXT.

The training school is organised within the framework of the COST Action “European Network to connect research and innovation efforts on advanced Smart Textiles” (CONTEXT) by Working Group 3 (Smart Textiles for Personal Protection) and Working Group 4 (Smart Textiles for Building and Living).

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## Learning outcomes:

The last developments in Smart Textiles as hybrid interactive building materials and in Smart Textiles for protective equipment.

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## Grant and eligibility:

The training school will last 4 days starting on Tuesday 17<sup>th</sup> at 14h and will finish on Friday 20<sup>th</sup> at 17h. A grant of 1.100 EUR (900 EUR for residents in Greece) will be provided for accepted participants as a contribution to the travelling costs, accommodation and subsistence during the Training School.

Trainees eligible to be reimbursed:

1. Trainees from COST Full Members / COST Cooperating Member
2. Trainees from Approved NNC Institutions.
3. Trainees from Approved European RTD Organisations.

Trainees must be engaged in an official research programme as a PhD Student or postdoctoral fellow or can be employed by, or affiliated to, an institution, organisation or legal entity, which has within its remit a clear association with performing research.

Priority will be given to early career investigators (PhD + 8), trainees from inclusiveness target countries (see COST ITC) and trainees involved in a PhD related with the main subjects of the training school.

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### Deadline and application:

The regular call application is open from **June 24<sup>th</sup> 2019 to July 10<sup>th</sup> 2019**. The evaluation results will be communicated on July 19<sup>th</sup>.

The evaluation of applications will be performed by CONTEXT Core Group, on behalf of the MC.

The number of Grants awarded will be between 15 and 17, depending on the origin of the applicants.

Applicants should send to the Training Schools coordinator, Dr. Georgios Priniotakis ([gprin@uniwa.gr](mailto:gprin@uniwa.gr)):

- A motivation letter, not exceeding one page that provides a clear indication of experience relevant to the topic of the training school; provide a rationale of why you are interested in the training school and how you envisage the training school to contribute to your learning, career and research objectives.
  - A short CV
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### Timetables and content:

The training school will include lectures, visits to companies and research facilities and a series of group dynamics and activities.

	Hours/Day	Timetable
Tuesday 17 <sup>th</sup>	4 h	14h-18hh
Wednesday 18 <sup>th</sup>	7 h	10h-13h and 14h-17h
Thursday 19 <sup>th</sup>	7 h	10h-13h and 14h-17h
Friday 20 <sup>th</sup>	7 h	10h-13h and 14h-17h
TOTAL hours	25	

The following broad themes will be addressed in the training school:

### **TEXTILES FOR BUILDING & LIVING**

- State of the art about textile-based materials and components used in the building infrastructures.
- Textile materials present a wide range of possible applications: description of possible future applications and experiences developed at international level about the application of textiles for building;
- Advanced materials for building and interiors, hi-tech fibres, optical fibres for next generation buildings.
- Application of nanotechnologies to functionalize internal and external environments.
- Examples of technical textiles used in the building sector: the seismic-resistant containing textile and the insulation panels from natural fibres waste.
- Interactive Materials in Architecture and Design.
- Discussion and practical lab about innovative materials.

### **TEXTILES FOR PERSONAL PROTECTIVE EQUIPMENT (PPEs)**

- Introduction of different working environment; presentation of the extreme working conditions, like working in the heat, cold and in a normal working environment.
- Introduction of materials used for the PPE in relation to above working conditions.
- The role of standards.
- Smart textile elements for the PPE – presentation of textile wires, connectors, kits, demonstrator.
- The impact of the smart PPE in relation to human safety and health.

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If you have any questions, do not hesitate contact to us:

Prof. Dr. Georgios Priniotakis (Training School Coordinator) ([gprin@uniwa.gr](mailto:gprin@uniwa.gr))

Dr. Ariadna Detrell (Action Chair) ([adetrell@textils.cat](mailto:adetrell@textils.cat))