

# E-Textiles Network

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DIRECTORY OF SKILLS AND EXPERTISE



## Contents

<b>Introduction</b> .....	2
<b>How to use this directory</b> .....	2
<b>Areas of Expertise</b> .....	3
<b>Electronics in Textiles</b> .....	3
<b>Textile Power Supplies</b> .....	3
<b>Textile Sensors and Actuators</b> .....	4
<b>Manufacturing</b> .....	5
<b>Materials</b> .....	5
<b>Applications</b> .....	6
<b>Sustainability</b> .....	7
<b>Services Offered</b> .....	8
<b>Consultancy</b> .....	8
<b>Research</b> .....	8
<b>Product Design/Modelling</b> .....	8
<b>Development/Prototyping/Testing</b> .....	9
<b>Directory</b> .....	10
<b>Academic Institutions</b> .....	10
<b>Industry</b> .....	16
<b>Consultants</b> .....	22

## Introduction

The E-Textiles Network is an EPSRC funded activity to bring together researchers and developers from academia and industry interested in adding smart electronic functionality to textiles and their related products. E-textiles is inherently multidisciplinary and typically requires knowledge of fabrics, electronics, sensors, manufacturing and assembly. It is difficult for organisations and individuals to cover all such areas and therefore working in collaboration with others is often a necessity.

The intention of this directory is to create a comprehensive list of Network members working in the field of E-textiles and detail their relevant expertise. This is intended to help E-Textile Network members and other interested parties identify where certain expertise, facilities and know-how can be found, and who to contact. This may be used to identify potential collaborators for specific projects and research, or to assist in the development of new e-textiles products.

The E-Textiles Network is engaged in numerous activities to help promote the development of E-Textiles. For full details of the Network's activities, please visit our website:

<https://e-textiles-network.com/>

## How to use this directory

The first part of the directory is split into areas of expertise, such as manufacturing, and services offered. Underneath each area is a list of the academic institutions, companies, or individuals with expertise in that area with links to their contact details.

Keywords, such as "conductive inks" can also be searched using the find or ctrl F function.

The second part of the directory is an index of the academic institutions, companies and individuals working on aspects of E-Textiles. This index details their areas of expertise, skills, facilities and services offered, and provides their full contact details.

## Areas of Expertise

Search the below areas of expertise to identify the expertise required:

### Electronics in Textiles

- [Ashish Kapoor](#)
- [Cardiff Metropolitan University](#)
- [Conductive Transfers Limited](#)
- [Coventry University](#)
- [Centre for Process Innovation Limited \(CPI\)](#)
- [FabTextiles, IAAC](#)
- [Ghent University](#)
- [Giulia Tomasello](#)
- [GKAWeartech](#)
- [Imperial College London](#)
- [Mili Tharakan](#)
- [Moderncraft](#)
- [North Carolina State University](#)
- [Power Textiles Limited](#)
- [Royal College of Art](#)
- [Siksha O Anusandhan](#)
- [Smart Fabric Inks Limited](#)
- [Smart Textile Alliance](#)
- [Svetoslav Makaveev](#)
- [Thrive Wearables Ltd](#)
- [Tinker Design](#)
- [Touchcraft](#)
- [University of Cambridge](#)
- [University of Southampton, Centre for Flexible Electronics and E-Textiles](#)
- [Waterford institute of technology](#)
- [Winchester School of Art, University of Southampton](#)

### Textile Power Supplies

- [Centre for Process Innovation Limited \(CPI\)](#)
- [Moderncraft](#)
- [National Textile University, Pakistan](#)

- [North Carolina State University](#)
- [Power Textiles Limited](#)
- [Siksha O Anusandhan](#)
- [Thrive Wearables Ltd](#)
- [University of Cambridge](#)
- [University of Southampton, Centre for Flexible Electronics and E-Textiles](#)

## Textile Sensors and Actuators

- [Ashish Kapoor](#)
- [Cardiff Metropolitan University](#)
- [Conductive Transfers Limited](#)
- [Centre for Process Innovation Limited \(CPI\)](#)
- [FabTextiles, IAAC](#)
- [Footfalls and Heartbeats](#)
- [Ghent University](#)
- [Imperial College London](#)
- [Infi-tex](#)
- [Mili Tharakan](#)
- [Moderncraft](#)
- [National Textile University, Pakistan](#)
- [North Carolina State University](#)
- [Royal College of Art](#)
- [Siksha O Anusandhan](#)
- [Smart Fabric Inks Limited](#)
- [Teknopalas Yüksek Teknoloji sistemleri A.Ş.](#)
- [Thrive Wearables Ltd](#)
- [Tinker Design](#)
- [University of Cambridge](#)
- [University of Southampton, Centre for Flexible Electronics and E-Textiles](#)
- [Waterford institute of technology](#)
- [Winchester School of Art, University of Southampton](#)

## Manufacturing

- [Ashish Kapoor](#)
- [Barbara Shepherd Associates](#)
- [Cardiff Metropolitan University](#)
- [Conductive Transfers Limited](#)
- [Centre for Process Innovation Limited \(CPI\)](#)
- [Etexsense Limited](#)
- [FabTextiles, IAAC](#)
- [Footfalls and Heartbeats](#)
- [GKAWeartech](#)
- [Manchester Metropolitan University](#)
- [Moderncraft](#)
- [Smart Fabric Inks Limited](#)
- [Svetoslav Makaveev](#)
- [Thrive Wearables Ltd](#)
- [Tinker Design](#)
- [Winchester School of Art, University of Southampton](#)

## Materials

- [Cardiff Metropolitan University](#)
- [Ashish Kapoor](#)
- [Coventry University](#)
- [Centre for Process Innovation Limited \(CPI\)](#)
- [Etexsense Limited](#)
- [FabTextiles, IAAC](#)
- [Giulia Tomasello](#)
- [GKAWeartech](#)
- [Mili Tharakan](#)
- [Moderncraft by MAS](#)
- [National Textile University, Pakistan](#)
- [OrelTech](#)
- [Power Textiles Limited](#)
- [Royal College of Art](#)
- [Siksha O Anusandhan](#)
- [Smart Fabric Inks Limited](#)

- [Syscom Advanced Materials](#)
- [Teknopalas Yüksek Teknoloji sistemleri A.Ş.](#)
- [Thrive Wearables Ltd](#)
- [Touchcraft](#)
- [University of Cambridge](#)
- [University of Nottingham](#)
- [University of Southampton, Centre for Flexible Electronics and E-Textiles](#)
- [Winchester School of Art, University of Southampton](#)

## Applications

- [ALTEX\\_PROTolab](#)
- [Ashish Kapoor](#)
- [Bonnie Binary](#)
- [Cardiff Metropolitan University](#)
- [Centre for Process Innovation Limited \(CPI\)](#)
- [Etexsense Limited](#)
- [FabTextiles, IAAC](#)
- [Ghent University](#)
- [Giulia Tomasello](#)
- [Imperial College London](#)
- [Mili Tharakan](#)
- [Moderncraft](#)
- [North Carolina State University](#)
- [Power Textiles Limited](#)
- [Siksha O Anusandhan](#)
- [Smart Fabric Inks Limited](#)
- [Svetoslav Makaveev](#)
- [Teknopalas Yüksek Teknoloji sistemleri A.Ş.](#)
- [Thrive Wearables Ltd](#)
- [Tinker Design](#)
- [Touchcraft](#)
- [University of Cambridge](#)
- [University of Southampton, Centre for Flexible Electronics and E-Textiles](#)
- [Waterford institute of technology](#)
- [Winchester School of Art, University of Southampton](#)
- [Zelemiq Ltd](#)

## Sustainability

- [Centre for Process Innovation Limited \(CPI\)](#)
- [FabTextiles, IAAC](#)
- [Moderncraft](#)
- [Power Textiles Limited](#)
- [Thrive Wearables Ltd](#)
- [Tinker Design](#)
- [Touchcraft](#)
- [University of Southampton, Centre for Flexible Electronics and E-Textiles](#)
- [Winchester School of Art, University of Southampton](#)



## Services Offered

### Consultancy

- [ALTEX\\_PROTolab](#)
- [Ashish Kapoor](#)
- [Barbara Shepherd Associates](#)
- [Cardiff Metropolitan University](#)
- [Centre for Process Innovation Limited \(CPI\)](#)
- [Giulia Tomasello](#)
- [Manchester Metropolitan University](#)
- [Nottingham Trent University](#)
- [Power Textiles Limited](#)
- [Smart Fabric Inks Limited](#)
- [Smart Textile Alliance](#)
- [Tinker Design](#)
- [University of Cambridge](#)

### Research

- [Coventry University](#)
- [Etexsense Limited](#)
- [FabTextiles, IAAC](#)
- [Giulia Tomasello](#)
- [Imperial College London](#)
- [Nottingham Trent University](#)
- [Siksha O Anusandhan](#)
- [Touchcraft](#)
- [University of Cambridge](#)
- [University of Southampton, Centre for Flexible Electronics and E-Textiles](#)
- [Waterford Institute of Technology](#)
- [Winchester School of Art, University of Southampton](#)

### Product Design/Modelling

- [Siksha O Anusandhan](#)

- [Thrive Wearables Ltd](#)
- [Touchcraft](#)
- [University of Nottingham](#)
- [Winchester School of Art, University of Southampton](#)
- [Zelemiq Ltd](#)

## Development/Prototyping/Testing

- [Bonnie Binary](#)
- [Conductive Transfers Limited](#)
- [Coventry University](#)
- [Etexsense Limited](#)
- [FabTextiles, IAAC](#)
- [Footfalls and Heartbeats \(UK\) Limited](#)
- [Ghent University](#)
- [Mili Tharakan](#)
- [Moderncraft by MAS](#)
- [National Textile University, Pakistan](#)
- [Royal College of Art](#)
- [Smart Fabric Inks Limited](#)
- [Syscom Advanced Materials](#)
- [Texber S.A.](#)
- [Thrive Wearables Ltd](#)
- [Touchcraft](#)
- [University of Southampton, Centre for Flexible Electronics and E-Textiles](#)
- [Winchester School of Art, University of Southampton](#)
- [Zelemiq Ltd](#)

## Directory

### Academic Institutions



#### **Cardiff Metropolitan University**

**Contact:** Aidan Taylor - [artaylor@cardiffmet.ac.uk](mailto:artaylor@cardiffmet.ac.uk)

electricnoodlebox.com/hug.world

**Area of Expertise:** Electronics in Textiles, Textile Sensors and Actuators, Manufacturing, Materials, Applications

**Skills and Facilities:** Embedded electronics, programming, PCB design, electronics manufacture, rapid prototyping, interaction design, embedded audio, sound design

**Services offered:** Design consultancy



#### **Coventry University**

**Contact:** Latha Krishnan- [ab9187@coventry.ac.uk](mailto:ab9187@coventry.ac.uk)

**Area of Expertise:** Materials, Textiles, E-Textiles

**Skills and Facilities:** Metallisation of textiles, Pre-treatments for E-textiles, electroless conductive coatings on textiles, Inkjet printing, E-Textile testing facilities, nanoparticle and conductive ink formulation, Materials

**Services offered:** Collaboration on R&D, Feasibility studies, Printing of e-textiles, Research services



#### **Ghent University**

**Contact:** Benny Malengier - [benny.malengier@ugent.be](mailto:benny.malengier@ugent.be)

<https://www.ugent.be/ea/match/textiles/en>

**Area of Expertise:** Electronics in Textiles, Textile Sensors and Actuators, Applications

**Skills and Facilities:** Academic textile lab

**Services offered:** testing facilities

**GKAWeartech**

**Contact:** Gunikka Ahuja - <https://www.gkaweartech.com/>

**Area of Expertise:** Electronics in Textiles, Manufacturing, Materials

**Skills and Facilities:** e-textiles, nanotechnology

## Imperial College London

**Imperial College London**

**Contact:** Rebecca Stewart - [r.stewart@imperial.ac.uk](mailto:r.stewart@imperial.ac.uk)

<https://www.imperial.ac.uk/design-engineering/>

**Area of Expertise:** Electronics in Textiles, Textile Sensors and Actuators, Applications

**Skills and Facilities:** Design and prototyping of interactive e-textile systems using sewn, knit, or woven techniques.

**Services Offered:** Research collaborations

## MANCHESTER FASHION INSTITUTE

**Manchester Fashion Institute, Manchester Metropolitan University**

**Contact:** Barbara Shepherd - [B.Shepherd@mmu.ac.uk](mailto:B.Shepherd@mmu.ac.uk)

**Area of Expertise:** Manufacturing, Recognised industry expert in garment manufacturing

**Skills and Facilities:** +20 years Industrial experience + 10yrs Academia

**Services offered:** Textile Consultancy



**National Textile University, Pakistan**

**Contact:** Usman Zubair - [usman.zubair@ntu.edu.pk](mailto:usman.zubair@ntu.edu.pk)

**Area of Expertise:** Textile Power Supplies, Textile Sensors and Actuators, Materials

**Skills and Facilities:** Power/Energy autonomous Sensing applications

**Services offered:** Development, testing and characterization of smart e-textiles



**North Carolina State University**

**Contact:** Md Milon Hossain

**Area of Expertise:** Electronics in Textiles, Textile Power Supplies, Textile Sensors and Actuators, Applications

**Skills and Facilities:** Carbon Nanotube synthesis, spinning of carbon nanotube yarn, electromechanical characterizations, sensing and Joule heating applications

**Nottingham Trent University**

**Contact:** Rachael Wickenden - [rachael.wickenden@ntu.ac.uk](mailto:rachael.wickenden@ntu.ac.uk)

[www.linkedin.com/in/rachael-wickenden](http://www.linkedin.com/in/rachael-wickenden)

**Area of Expertise:** Manufacturing, Applications, Sustainability

**Skills and Facilities:** Human-Centred Design, Textile Design, Textile Manufacturing

**Services offered:** Teaching, Consultancy, Research



## Royal College of Art

**Royal College of Art**

**Contact:** Elif Ozden Yenigun - [elif.ozden-yenigun@rca.ac.uk](mailto:elif.ozden-yenigun@rca.ac.uk)

**Area of Expertise:** Electronics in Textiles, Textile Sensors and Actuators, Composite Materials

**Skills and Facilities:** All sort of textile making facilities, and nano materials synthesis



**Siksha O Anusandhan**

**Contact:** Priyabrata Pattanaik - [priyabratapattanaik@soa.ac.in](mailto:priyabratapattanaik@soa.ac.in)

[www.soa.ac.in](http://www.soa.ac.in)

**Area of Expertise:** Electronics in Textiles, Textile Power Supplies, Textile Sensors and Actuators, Materials, Applications

**Skills and Facilities:** Material preparation and sensor design

**Services offered:** research modelling and analysis



## UNIVERSITY OF CAMBRIDGE

**University of Cambridge**

**Contact:** Tommaso Busolo- [Tomma92@gmail.com](mailto:Tomma92@gmail.com)

<https://www.linkedin.com/in/tommaso-busolo/>

**Area of Expertise:** Electronics in Textiles, Textile Power Supplies, Textile Sensors and Actuators, Materials, Applications

**Skills and Facilities:** Energy harvesting textiles, triboelectric, materials characterization, textile sensors, FEA modelling, electrospinning

**Services offered:** Consultancy, R&D



**University of Nottingham**

**Contact:** Dr Louise Brown - [louise.brown@nottingham.ac.uk](mailto:louise.brown@nottingham.ac.uk)

[www.texgen.sourceforge.net](http://www.texgen.sourceforge.net)

**Area of Expertise:** Materials, Textile modelling and simulation

**Skills and Facilities:** TexGen software for 3D modelling of textiles, textile modelling and simulation

**Services offered:** Support for textile modelling using TexGen and potential collaboration for textile modelling related research



**University of Southampton - Centre for Flexible Electronics and E-Textiles**

**Contact:** Steve Beeby - [spb@ecs.soton.ac.uk](mailto:spb@ecs.soton.ac.uk)

[www.ecs.soton.ac.uk](http://www.ecs.soton.ac.uk)

**Area of Expertise:** Electronics in Textiles, Textile Power Supplies, Textile Sensors and Actuators, Materials, Applications, Sustainability

**Skills and Facilities:** Flexible electronics design and fabrication, textile-based energy harvesting and energy storage (batteries/supercapacitors), ink formulation and printing, MEMS sensor integration and packaging, materials testing

**Services offered:** Electronics and sensor integration within textiles, electronics circuit design, proof of concept and prototyping, functional ink development, printing e-textiles, research services.



**Waterford Institute of Technology - TSSG**

**Contact:** Frances Cleary- [fcleary@tssg.org](mailto:fcleary@tssg.org)

<https://www.tssg.org/>

**Area of Expertise:** Electronics in Textiles, Textile Sensors and Actuators, Applications

**Skills and Facilities:** Research organisation - ICT software development expertise -e-textile laboratory (inkjet printing / technical embroidery techniques)

**Services offered:** Research investigation/ analysis / experimentation



**Winchester School of Art, University of Southampton**

**Contact:** Dr Kai Yang - [ky2e09@soton.ac.uk](mailto:ky2e09@soton.ac.uk)

<https://www.southampton.ac.uk/wsa>

**Area of Expertise:** Electronics in Textiles, Textile Sensors and Actuators, Manufacturing, Materials, Applications, Sustainability

**Skills and Facilities:** E-textile design, printing (Semi-automatic paste printer), weaving (Digital Jacquard loom), knitting (Shima Seiki knitting machine), application development

**Services offered:** Collaboration on R&D, feasibility studies, advice on e-textile technologies, market study, design, and development



## Industry



### **Bonnie Binary**

**Contact:** Annie Lywood - a.lywood@btinternet.com

[www.bonniebinary.co.uk](http://www.bonniebinary.co.uk)

**Area of Expertise:** Electronics in Textiles, Applications, Sustainability

**Skills and Facilities:** Design of e-textile products for social care solutions

**Services offered:** Sensory and interactive textile products for wellbeing



### **Centre for Process Innovation Limited (CPI)**

**Contact:** Sean Bolton info@uk-cpi.com

<https://www.uk-cpi.com/>

**Area of Expertise:** Electronics in Textiles, Textile Power Supplies, Textile Sensors and Actuators, Manufacturing, Materials, Applications, Sustainability

**Skills and Facilities:** Extensive innovation capabilities and assets, helping to guide our partner's/collaborator's/customer's projects through to commercialisation.

**Services offered:** The combination of our innovation processes and outstanding scientific expertise enables our partners to get more products to market faster, and at a lower cost.



### **Conductive Transfers Limited**

**Contact:** Mark Catchpole - mark@conductivetransfers.com

[www.conductivetransfers.com](http://www.conductivetransfers.com)

**Area of Expertise:** Electronics in Textiles, Textile Sensors and Actuators, Manufacturing

**Skills and Facilities:** Printed circuits for e-textiles using patented transfer process. 1100m2 UK factory

**Services offered:** Prototype circuits (2 weeks, <£1k). Volume production. IP licensing & tech. transfer



**Etexsense Limited**

**Contact:** Dr Kai Yang - [etexsense@gmail.com](mailto:etexsense@gmail.com)

<http://etexsense.com/>

**Area of Expertise:** Manufacturing, Materials, Applications

**Skills and Facilities:** E-textile based wearable electrotherapy for pain relief and rehabilitation

**Services offered:** Pain relief products, bespoke electrode manufacturing, collaboration on R&D

## Footfalls & Heartbeats

**Footfalls and Heartbeats (UK) Limited**

**Contact:** Simon McMaster - [info@footfallsandheartbeats.com](mailto:info@footfallsandheartbeats.com)

[www.footfallsandheartbeats.com](http://www.footfallsandheartbeats.com)

**Area of Expertise:** Textile Sensors and Actuators, Manufacturing

**Skills and Facilities:** Prototyping and small-scale manufacturing of knitted smart textile solutions. Flatbed and circular knitting machines.

**Services offered:** Pressure, strain, bio-electrical and optical sensors knitted into textile garments, surfaces and shoes.



**Infi-tex**

**Contact:** Myra Waiman - [myra@infi-tex.com](mailto:myra@infi-tex.com)

[www.infi-tex.com](http://www.infi-tex.com)

**Area of Expertise:** Textile Sensors and Actuators

**Skills and Facilities:** designing and making textile sensors using our own proprietary ink.

**Services offered:** sensors measure change of pressure - sensors designed as inner soles, multi-touch mats and button actuators



### Moderncraft by MAS

**Contact:** Moderncraft - [hello@moderncraft.io](mailto:hello@moderncraft.io)

[www.moderncraft.io](http://www.moderncraft.io)

**Area of Expertise:** Electronics in Textiles, Textile Power Supplies, Textile Sensors and Actuators, Manufacturing, Materials, Applications, Sustainability

**Skills and Facilities:** 1. Technical Multi-functional Knit

- Facilitate integration of monitoring devices for vital tracking that are small & non-invasive
- Ability to create 3D knit structures with different designs & thicknesses
- Ability to incorporate different modulus, & different structures and layers on the same fabric

2. Advance Surface Modification

- Water repellency and other resistive properties
- Enhance grip for performance application
- Silicon flocking for elevated hand feel

3. Powerful Electronics

- Washable sensors and support electronics
- High speed data cables seamlessly integrated into fabric
- High power transfer safely and reliably.

**Services offered:** Proprietary process with development and formulation of any product through rigorous testing and wear involvement with ISO 9001, 14001 & 13485, OHSAS 18001 and LEED compliant manufacturing facilities globally.



### OrelTech

**Contact:** Marie Westphal - [marie@oreltech.com](mailto:marie@oreltech.com)

[www.oreltech.com](http://www.oreltech.com)

**Area of Expertise:** Materials

**Skills and Facilities:** Conductive ink manufacturer

**Services offered:** Conductive inks

### **Power Textiles Limited**

**Contact:** John Wilson and Robert Mather - [info@powertextiles.com](mailto:info@powertextiles.com)

[www.powertextiles.com](http://www.powertextiles.com)

**Area of Expertise:** Electronics in Textiles, Textile Power Supplies, Materials, Applications, Sustainability, Photovoltaics

**Skills and Facilities:** Photovoltaic power generation, textile chemistry and technology

**Services offered:** Consultancy in the topics above



### **Smart Fabric Inks Limited**

**Contact:** Dr Russel Torah and Dr John Tudor - [enquiries@fabinks.com](mailto:enquiries@fabinks.com)

<http://www.fabinks.com/>

**Area of Expertise:** Electronics in Textiles, Textile Sensors and Actuators, Manufacturing, Materials, Applications, Ink formulations

**Skills and Facilities:** E-textiles, functional inks for e-textile, e-textile based sensors and actuators, applications (e.g. textile, healthcare, automotive, creative industry), screen printing

**Services offered:** Feasibility studies, Advice on printing technology, Technology surveys, Design and development, Literature and patent surveys

### **Smart Textile Alliance**

**Contact:** Christian Dalsgaard and Mili John Tharakan

<https://smarttextilealliance.com/>

**Area of Expertise:** Electronics in Textiles, Develop Industry Standards and certification programs for Smart Textiles

**Services offered:** Standardisation Program: We are an independent body seeking to align the smart textiles industry and mature the supply chain for the emerging technology. We facilitate the development of smart textile standards and certify solutions that are interoperable through cross industry collaborations and partnerships.

Support Lab: Collaborating on R&D projects and consulting for clients,

Product development, manufacturing capability or adaptation of smart textiles in general,

Provide training and advisory services for partners in the supply chain

Coordinating expert panels or advisory boards

Matchmaking investments in smart textile ventures



**Syscom Advanced Materials**

**Contact:** Jake Courtright - [jkourtright@metalcladfibers.com](mailto:jkourtright@metalcladfibers.com)

<http://www.metalcladfibers.com/>

**Area of Expertise:** Materials

**Skills and Facilities:** Producer of conductive yarns and fibers.

**Services offered:** Syscom Advanced Materials are a producer of highly conductive yarns. Some with DC resistances under  $\sim 1\Omega/\text{ft}$ . Our products range from high tensile strength bases like PBO and liquid crystal polymers to flexible fibers like nylon.



**Texber S.A.**

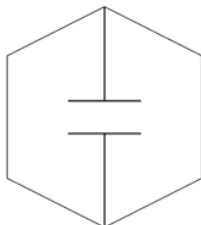
**Contact:** Josep Miquel Canal - [ino@texber.com](mailto:ino@texber.com)

[www.texber.com](http://www.texber.com)

**Area of Expertise:** Manufacturing

**Skills and Facilities:** Custom fabric manufacturer

**Services offered:** We develop and manufacture custom made fabrics



TINKER

**Tinker Design**

**Contact:** Thushara Sabreen - [Thushara@tinker-design.com](mailto:Thushara@tinker-design.com)

[www.tinker-design.com](http://www.tinker-design.com)

**Area of Expertise:** Electronics in Textiles, Textile Sensors and Actuators, Manufacturing, Applications, Sustainability, Fashion Technology

**Skills and Facilities:** Innovation /Wearable Technology / Product development concept to launch

**Services offered:** Consultant



**Thrive Wearables Ltd**

**Contact:** Jacob Skinner and Dave Sandbach - [jacob@thrivewearables.com](mailto:jacob@thrivewearables.com)  
[dave@thrivewearables.com](mailto:dave@thrivewearables.com)

[www.thrivewearables.com](http://www.thrivewearables.com)

**Area of Expertise:** Electronics in Textiles, Textile Power Supplies, Textile Sensors and Actuators, Manufacturing, Materials, Applications, Sustainability, Full wearable technology design and development services

**Skills and Facilities:** Full wearable tech development labs and facilities, including fabrication and assembly, test and debugging.

**Services offered:** Technology Strategy, full hardware prototyping, app and interface design, back end, service design, data science, deployment strategy, mass production management, support in field.



**Zelemiq Ltd**

**Contact:** Dr Rod Lane - [rod@zelemiq.com](mailto:rod@zelemiq.com)

[www.zelemiq.com](http://www.zelemiq.com)

**Area of Expertise:** Applications

**Skills and Facilities:** Med Tech, Electronics design and manufacture, Software and application development, Development Lab and Clinical testing facilities.

**Services offered:** Product Design, Clinical testing, Manufacture, Medical Regulatory Affairs Consultancy

## Consultants

### ALTEX\_PROTolab

**Contact:** VICENTE JORGE SANCHIS RICO - vsanchis@mixmail.com

**Area of Expertise:** Applications

**Skills and Facilities:** Creativity in products and applications

**Services offered:** Advice and development of ideas

### Ashish Kapoor

**Contact:** Ashish Kapoor - [akapoor5@ncsu.edu](mailto:akapoor5@ncsu.edu)

<https://www.linkedin.com/in/ashish-kapoor-ph-d-a9400b55/>

**Area of Expertise:** Electronics in Textiles, Textile Sensors and Actuators, Manufacturing, Materials, Applications

**Skills and Facilities:** Textile based sensors, Fibre based sensors, Fabric based Sensors, Polymer extrusion printing, Conductive fibres, Conducting polymer composites, E-Textiles in Biomedical applications. +10yrs Academia.

**Services offered:** Consultation

### Barbara Shepherd Associates

**Contact:** Barbara Shepherd - [barbara@barbarashepherdassociates.co.uk](mailto:barbara@barbarashepherdassociates.co.uk)

**Area of Expertise:** Manufacturing, Recognised industry expert in garment manufacturing

**Skills and Facilities:** +20 years Industrial experience + 10yrs Academia

**Services offered:** Textile Consultancy

**FABTEXTILES**  
experimental digital open source couture

### FabTextiles, IAAC

**Contact:** Anastasia Pistofidou - [info@fabtextiles.org](mailto:info@fabtextiles.org)

<http://fabtextiles.org/>

**Area of Expertise:** Electronics in Textiles, Textile Sensors and Actuators, Manufacturing, Materials, Applications, Sustainability, biomaterials, 3D printing, 3D modelling

**Skills and Facilities:** Fab Textiles research lab at IAAC Fab Lab Barcelona is equipped with digital fabrication equipment (laser cutters, 3D printers, robotic arm, cnc milling machines, digital

embroidery, sewing machines, biolab) and offer design, hardware development, learning experiences and educational programs.

**Services offered:** R&D, training, EU projects partnerships

**Giulia Tomasello**

**Contact:** Giulia Tomasello - tomasello.gi@gmail.com

<https://gitomasello.com/> <https://al-ma.org/>

**Area of Expertise:** Electronics in Textiles, Materials, Applications

**Skills and Facilities:** hardware development

**Services offered:** research innovation, product design, user experience, interaction design, material, sensor technology consultation

**Mili Tharakan**

**Contact:** Mili Tharakan - mili@militharakan.com

**Area of Expertise:** Electronics in Textiles, Textile Sensors and Actuators, Materials, Applications

**Skills and Facilities:** Skills: Smart Textiles / E-textiles research, Innovation pipeline, Product Development and Management

**Services offered:** Prototyping, Product Development, Product Management of e-textiles and related products, Business strategy, Innovation services



**Teknopalas Yüksek Teknoloji sistemleri A.Ş.**

**Contact:** Mujgan Naycı Duman - proje.yonetim5@teknopalas.com.tr

[www.teknopalas.com.tr](http://www.teknopalas.com.tr)

**Area of Expertise:** Textile Sensors and Actuators, Materials, Applications

**Skills and Facilities:** Innovation, software, and product development, IoT and RFID embedded applications (e.g. textile, healthcare, automotive, transportation, retail industries), automation and management systems with RFID labels and readers.

**Services offered:** R&D, product and process solutions with ISO 9001 globally.



**The Textile Institute/AATCC member**

**Contact:** Svetoslav Makaveev - smakaveev@outlook.com

**Area of Expertise:** Electronics in Textiles, Manufacturing, Applications

**Touchcraft**

**Contact:** Lucie Hernandez – lucie@touchcraft.org.uk

<http://touchcraft.org.uk/>

**Area of Expertise:** Electronics in Textiles, Materials, Applications, Sustainability, e-textiles for wellbeing

**Skills and Facilities:** Creative workshop facilitation, e-textiles for storytelling

**Services offered:** Design & Development, Research, Creative Engagement Activities, Fabrication