



# 7<sup>th</sup> International Conference on Technical Textiles and Nonwovens

12-14 December 2023 | IIT Delhi, New Delhi, India



**Day-1, Tuesday, 12<sup>th</sup> December 2023 | Workshop Programme**

## **E-Textiles Wearable Technology : Materials, Applications, and Standardization**

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| 11:00-11:15 hrs  | <b>Introduction to E-Textiles Wearable Technology – Scope and Market Opportunities</b><br><i>Prof. Bipin Kumar, Textile and Fibre Engineering, IIT Delhi, Delhi, India</i>  |
| 11:15- 11:35 hrs | <b>Research Showcase I</b><br><b>Heating Textile – Designing and Characterization</b><br><i>Mr. Sandeep Kumar Maurya, Research Scholar, Textile and Fibre Engineering, IIT Delhi, Delhi, India</i>  |
| 11:35-11:55 hrs  | <b>Unlocking Wearable Tech's Potential: The Power of Standardization</b><br><i>Smt Reena Garg, Designation- Scientist F &amp; Head (Electronics &amp; IT Department), Organisation: Bureau of Indian Standards</i><br><i>Ms. Alismita Khag, Convener, Scientist-C &amp; Deputy Director, Electronics and IT Department Bureau of Indian Standards</i> |
| 11:55-12:10 hrs  | <i>Tea-Break</i>  |
| 12:10-12:30 hrs  | <b>Textile based Energy Storage Applications - Batteries &amp; Supercapacitors</b><br><i>Prof. Dr. Prasanth Raghavan, Polymer Science and Rubber Technology, Cochin University of Science and Technology, Kerala, India</i>   |
| 12:30-12:45 hrs  | <b>Research Showcase II</b><br><b>Piezoelectric Textiles for Energy Harvesting</b><br><i>Dr. Satyaranjan Bairagi, Postdoc Scholar, University of Glasgow, UK</i><br><i>Ms. Swagata Banerjee, Research Scholar, Textile and Fibre Engineering, IIT Delhi, Delhi, India</i>   |
| 12:45-13:00 hrs  | <b>Research Showcase III</b><br><b>Triboelectric Textiles for Energy Harvesting</b><br><i>Mr. Viraj Somkuwar, Research Scholar, Textile and Fibre Engineering, IIT Delhi, Delhi, India</i>  |