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Tiziana C. Callari, Louise Moody, Paul Magee, Danying Yang, Gulay Ozkan & Diego Martinez

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# MATUROLIFE. Combining Design Innovation and Material Science to Support Independent Ageing

Tiziana C. Callari<sup>a</sup>, Louise Moody<sup>a\*</sup>, Paul Magee<sup>a</sup>, Danying Yang<sup>a</sup>, Gulay Ozkan<sup>b</sup>, Diego Martinez<sup>c</sup>

<sup>a</sup>School of Art and Design, Coventry University, Coventry, UK

<sup>b</sup>GEDS, Turkey,

<sup>c</sup>Pitillos, Spain

\*Corresponding author email: L.Moody@coventry.ac.uk

**Abstract:** With an ageing population there is an increasing need for effective assistive technology to enable older adults to live independently for longer. The Horizon2020 funded MATUROLIFE project will apply advanced material innovations in the design of novel assistive technology. An innovative selective metallization process is being used to encapsulate fibres in textiles to provide conductivity and electronic connectivity. This will enable better integration of electronics and sensors into fabrics and textiles.

This poster provides an overview of the design research undertaken in 9 European countries to guide the development of prototype furniture, clothing and footwear-based AT solutions that will embed these material innovations to provide informative health information to the user whilst being attractive and desirable.

**Keywords:** Co-creation, Qualitative methods, Printed electronics, Assistive technology, Technology integration

