

Call for Papers:

Special Article Collection of Fashion and Textiles on “Future of Wearable Technology and 3D Printing in Fashion”

Submission Deadline: February 28, 2017

The *Fashion and Textiles* journal is a research journal that aims to advance knowledge and to seek new perspectives to fashion and textiles worldwide through publication of high quality original research articles, review papers, editorials, case studies, book reviews and letters to the editor. The scope of the journal includes the following four technical research divisions: textiles science and technology, clothing science and technology, economics of clothing and textiles/fashion business, and fashion design and history. **The journal is pleased to announce a call for papers for a special collection on the emerging topic of 3D printing and wearable technology and their applications in fashion-related research to be co-edited by Drs. Young-A Lee and Helen Koo.**

In fashion combining art, science, and technology, we create designs that push the limits of emerging technologies. 3D printing and wearable technology have experienced an explosion in popularity in the last couple of years in fashion disciplines from both industry and scientific research. Why now 3D printing has received much attention from consumers, industry professionals, and academic researchers since it was invented almost 30 years ago? Why now wearable technology received much attention in fashion? The increased uses of the Internet of Things, mobile technology, and big data are now allowing new integrations and connectivity of 3D printing and wearable technology in ways previously not possible. As a potentially transformational technology, it is promising that 3D printing and wearable technology will play a more important role in designing and developing personalized fashion-related products in the near future. Much of the scientific research tied with this topic has been conducted in other disciplines; however, limited research have been conducted or published in fashion-related fields.

The objectives of this special collection are to collect cutting-edge knowledge on 3D printing and wearable technology, and applications of these technologies in fashion as well as to envision the future of these technologies when designing and engineering apparel-related products. This special article collection will be a useful tool for designers, product developers, and researchers who plan to implement these technologies in their work. **Articles submitted to the special collection can relate to any aspect of these technologies in fashion-related disciplines, including the development of these technologies and design, development, and evaluation of fashion-related products using (or incorporating) 3D printing and (or) wearable technology.**

Topics for this special issue may include (but are not limited to) the following:

- Advances and applications of 3D printing technology in fashion
- Advances and applications of wearable technology in fashion
- Smart clothing for healthcare (e.g., wearable sensors)
- Wearables as social connection, communication, and sharing
- Scale development of wearables
- Social acceptability of these technologies
- 3D printed accessories or clothing
- 3D printing and (or) wearable technology as sustainability practices
- Soft 3D printing material/fabric
- 3D printing for rapid prototyping of fashion-related products
- Manifest for digital fabrication

- Integration of soft 3D printing with embedded wearable sensors
- Integration and connectivity of 3D printing and wearable technology with the Internet of Things, mobile technology, and big data

Full papers are due February 28, 2017. Papers are accepted only in English and formatted according to APA 6th edition. Manuscripts should be compiled in the following order: title page; 150 word abstract; 3 to 5 keywords; main text; acknowledgments; appendixes (as appropriate); references; table(s) with caption(s) (on individual sheets); figure caption(s) (as a list).

For additional information on the style guide for authors please see the journal website at the following link: <http://www.springer.com/materials/journal/40691>

Each submission will undergo a triple-blind review process. Submissions should be uploaded to <http://editorialmanager.com/fate/> and should specify in the “Author’s Comment” section “Manuscript for Special Collection of Future of 3D Printing and Wearable Technology in Fashion.” Please read the guide for authors before making a submission. Accepted papers will be published in late 2017. If you have any questions concerning your submission, please contact Young-A Lee (ylee@iastate.edu) and Helen Koo (hskoo@ucdavis.edu).