

**Special Issue** on Technology enablers for the implementation of Industry 4.0 to traditional manufacturing sectors, Computers in Industry, Elsevier [IF: 4.769]

The traditional manufacturing sectors (footwear, textiles and clothing, furniture and toys, among others) are based on small and medium enterprises (SMEs) with limited capacity on investing in modern production technologies. Although these sectors rely heavily on product customization and short manufacturing cycles, they are still not able to take full advantage of the fourth industrial revolution.

The aim of this special issue is to collect research papers proposing solutions to facilitate the implementation of the fourth industrial revolution in traditional sectors. Accepted papers should address the following (indicative) topics and should aim at the implementation of Industry 4.0 to traditional manufacturing sectors.

#### **Topics**

- Product customization technologies in traditional manufacturing sectors, including the utilization of 3D printing approaches.
- Design and implementation of CAD/CAE/CAM algorithms and applications for traditional manufacturing sectors, including Cloud applications and efficient implementation through parallel architectures.
- Interoperability and distributed manufacturing in traditional manufacturing sectors.
- Artificial intelligence for design & manufacturing in traditional manufacturing sectors.
- Robotics systems including collaborative robots, complex robotic cells, interconnection and security issues.

#### **Important dates**

- **Submission deadline: March 31, 2020**
- 1st round peer-review feedback: May 15, 2020
- Revised submission due: July 15, 2020
- Camera-ready due: September 15, 2020
- Expected publication: Fall/Winter 2020

#### **More information at:**

<https://www.journals.elsevier.com/computers-in-industry/call-for-papers/special-issue-on-technology>

On behalf of the editorial team of this special issue, I encourage you to submit your manuscripts through the editorial system of Computers in Industry.

**TAGS:** #technology #industry40 #footwear #furniture #SME #textiles #clothing #toys