

Special Issue

Human-Robot Collaboration in Manufacturing

Message from the Guest Editor

Nowadays, robots collaborate with human workers in manufacturing; such robots are termed cobots. On the one hand, they reduce the incidence and severity of ergonomic injuries that can appear due to physical repetitive movements and, on the other hand, they may improve safety, quality, and productivity. Many manufacturers are introducing new robots into their human production lines that work together with humans, with setups based on different types of safety designs. This Special Issue mainly focuses on, but not limited to the following topics:

- Human-robot collaboration
- Robotics in the fourth industrial revolution
- Ergonomics in industrial human-robot collaboration
- Safety in industrial human-robot collaboration
- Organizational issues related with robot introduction in industry
- Improving operator skills in human-robot industrial tasks
- Cognitive and social dimension in industrial human-robot collaboration
- Metrics in human-robot collaboration
- Implementation of human-robot collaboration tasks in manufacturing
- Advisors robots for operators in Industry 4.0

Guest Editor

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Deadline for manuscript submissions

closed (20 May 2022)



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Message from the Editor-in-Chief

Electronics is a multidisciplinary journal designed to appeal to a diverse audience of research scientists, practitioners, and developers in academia and industry. The journal is devoted to fast publication of latest technological breakthroughs, cutting-edge developments, and timely reviews of current and emerging technologies related to the broad field of electronics. Experimental and theoretical results are published as regular peer-reviewed articles or as articles within Special Issues guest-edited by leading experts in selected topics of interest.

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