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Engineering Creative Design in Robotics and Mechatronics

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Engineering Creative Design in Robotics and Mechatronics



Advances in Machationics and Mechanical Engineering

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Maki K. Habib (The American University in Cairo, Egypt) and J. Paulo Davim (University of Aveiro, Portugal)

While technologies continue to advance in different directions, there still holds a constant evolution of interdisciplinary development. Robotics and mechatronics is a successful fusion of disciplines into a unified framework that enhances the design of products and manufacturing processes.

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Maki K. Habib is a Professor at the Mechanical Engineering Department, School of Sciences and Engineering, American University in Cairo, Egypt. His main areas of research are focusing on human adaptive and friendly mechatronics, autonomous navigation, service robots and humanitarian demining, telecooperation, distributed teleoperation and collaborative control, flexible automation, wireless sensor networks and ambient intelligence, biomimetic and biomedical robots.



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