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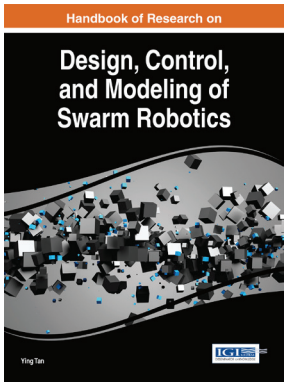
Handbook of Research on Design, Control, and Modeling of Swarm Robotics



Part of the Advances in Computational Intelligence and Robotics (ACIR) Book Series

Ying Tan (Peking University, China)

Description:

Studies on robotics applications have grown substantially in recent years, with swarm robotics being a relatively new area of research. Inspired by studies in swarm intelligence and robotics, swarm robotics facilitates interactions between robots as well as their interactions with the environment.

The **Handbook of Research on Design, Control, and Modeling of Swarm Robotics** is a collection of the most important research achievements in swarm robotics thus far, covering the growing areas of design, control, and modeling of swarm robotics.

Readers:

This handbook serves as an essential resource for researchers, engineers, graduates, and senior undergraduates with interests in swarm robotics and its applications.

ISBN: 9781466695726 **Release Date:** December, 2015 **Copyright:** 2016 **Pages:** 854

Topics Covered:

- Cooperative Movement and Control
- Cooperative Operation and Partner Recruitment
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- Moving Target Searching and Tracking
- Path Planning
- Space Deployment and Formation Control
- Stationary Target Searching
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