

star 25

star

springer tracts in advanced robotics 25

Corke · Sukkarieh
(Eds.)

Peter Corke
Salah Sukkarieh (Eds.)

The *Springer Tracts in Advanced Robotics* (STAR) publishes new developments and advances in the fields of robotics research – rapidly and informally but with a high quality. The intent is to cover all the technical topics, applications, and multidisciplinary aspects of robotics, embedded in the fields of Mechanical Engineering, Computer Science, Electrical Engineering, Mechatronics, Control, and Life Sciences – as well as the methodologies behind them. Within the scope of the series are monographs, lecture notes, selected contributions from specialized conferences and workshops, as well as selected PhD theses.

Field and Service Robotics

The 5th International Conference on Field and Service Robotics (FSR05) was held in Port Douglas, Australia, on 29th – 31st July 2005, and brought together the world's leading experts in field and service automation. The goal of the conference was to report and encourage the latest research and practical results towards the use of field and service robotics in the community with particular focus on proven technology. The conference provided a forum for researchers, professionals and robot manufacturers to exchange up-to-date technical knowledge and experience.

Field robots are robots which operate in outdoor, complex, and dynamic environments. Service robots are those that work closely with humans, with particular applications involving indoor and structured environments.

There are a wide range of topics presented in this issue on field and service robots including: Agricultural and Forestry Robotics, Mining and Exploration Robots, Robots for Construction, Security & Defence Robots, Cleaning Robots, Autonomous Underwater Vehicles and Autonomous Flying Robots.

This meeting was the fifth in the series and brings FSR back to Australia where it was first held. FSR has been held every 2 years, starting with Canberra 1997, followed by Pittsburgh 1999, Helsinki 2001 and Lake Yamana 2003.



Field and Service Robotics

Field and Service Robotics

Results of the
5th International Conference

 Springer

ASAMA-0177
浅間研究室蔵書

ISBN 3-540-33452-1



9 783540 334521

Available online at
SpringerLink.com

 springer.com