



Adaptive sampling with mobile WSN : simultaneous robot localisation and mapping of paramagnetic spatio-temporal fields /

Sreenath, Koushil

Institution of Engineering and Technology,
2011

Electronic books

Monografía

This book presents systematic methods for estimating environmental fields using multiple mobile sensors

<https://rebiunoda.pro.baratznet.cloud:28443/OpacDiscovery/public/catalog/detail/b2FpOmNlbGVicmF0aW9uOmVzLmJhcmF0ei5yZW4vMjY1NTIzNTE>

Título: Adaptive sampling with mobile WSN simultaneous robot localisation and mapping of paramagnetic spatio-temporal fields Koushil Sreenath [and others]

Editorial: London Institution of Engineering and Technology 2011

Descripción física: 1 online resource (ix, 180 pages, 16 pages of color plates) illustrations

Mención de serie: IET control engineering series 73

Bibliografía: Includes bibliographical references (pages 169-177) and index

Contenido: Machine generated contents note:) pt. I) Preliminaries -- 1.) Introduction -- 1.1.) Adaptive sampling for density estimation using WSN -- 1.2.) Simultaneous adaptive localization -- 1.3.) Discrete event controller for resource scheduling -- 1.4.) Summary -- 2.) Test beds for theory -- 2.1.) Adaptive sampling test bed -- 2.1.1.) Objectives of the test bed -- 2.1.2.) Structure of the test bed -- 2.1.3.) Calibration algorithms -- 2.2.) Mobile WSN test bed -- 2.2.1.) Objectives of the test bed -- 2.2.2.) Structure of the test bed -- pt. II) Single-robot adaptive sampling -- 3.) Adaptive sampling of parametric fields -- 3.1.) Sampling -- 3.2.) Sampling for density estimation -- 3.2.1.) Clustering -- 3.2.2.) Parametric approximation -- 3.2.3.) Parameter estimation -- 3.3.) Sampling using static wireless sensor network -- 3.4.) Sampling using robotic sensor deployment -- 3.4.1.)

Lengua: English

Copyright/Depósito Legal: 816865761 1162402461

ISBN: 9781849192583 electronic bk.) 1849192588 electronic bk.) 1283286564 9781283286565 9781849192576 hbk.) 184919257X hbk.) 9786613286567 6613286567

Materia: Wireless sensor networks Computer algorithms Adaptive sampling (Statistics) TECHNOLOGY & ENGINEERING- Sensors Adaptive sampling (Statistics) Computer algorithms Wireless sensor networks

Autores: Sreenath, Koushil

Enlace a formato físico adicional: Print version Adaptive sampling with mobile WSN. London : Institution of Engineering and Technology, 2011 9781849192576 (OCOLC)726744639

Punto acceso adicional serie-Título: IET control engineering series 73

Baratz Innovación Documental

- Gran Vía, 59 28013 Madrid
- (+34) 91 456 03 60
- informa@baratz.es