

08. Quantum Dots: Research, Technology and Applications

Preface

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Latest Developments in Feature Based Mapping and Navigation for Indoor Service Robots

(Diego Rodriguez-Losada, Luis Pedraza, Fernando Matia, and Pablo San Segundo; UPM-DISAM)

Robot Navigation Using Parameterized Growing Neural Gas that Learns Topologic Maps (Jose Garcia-Rodriguez, Francisco Florez-Revuelta, and Juan Manuel Garcia-Chamizo; Univ. of Alicante)

Topological Knowledge Extraction Using Self-Organizing Neural Networks (P. Baldassarri A. Montesanto and P. Puliti: Universita

(P. Baldassarri, A. Montesanto, and P. Puliti; Universita Politecnica delle Marche)

Autonomous Robot Navigation Using Different Features and Hierarchical Discrimination Regression (Xiaodong Gu, Fudan Univ.)

Advances in Mapless and Map-Based Strategies for Robot Navigation - A Review (Leena Vachhani, Panakala Rajesh Kumar, and K. Sridharan; Indian Institute of Technology)

Dynamics, Motion Planning and Control of Wheel-Legged Robots for Superior Field Navigations (S. Ali A. Moosavian and Asghar Mozdbaran, K.N. Toosi Univ. of Technology)

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Probablistic Behavior Activation for Localization (E. Jauregi, E. Lazkano, J.M. Martinez-Otzeta, B. Sierra, and Y. Yurramendi; Univ. of Basque Country) Real-Time Map Building and Active Exploration for Autonomous Robot in Unknown Environments (Meng Wang and James N.K. Liu, The Hong Kong

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(Jia Song; Zhejiang Univ., Suzhou Vocational College), (Shengwei Yu, Purdue Univ.), and (Li Xu, Zhejiang Univ.)

A Building Algorithm Based on Grid-Topological Map for Mobile Robot Navigation

(Xu Bing and Xiao Nan-Feng, South China Univ. of Technology)

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