



Mobile Robots Navigation

Guest Editors:

Prof. Dr. Oscar Reinoso

System Engineering and
Automation Department, Miguel
Hernandez University, Elche
(Alicante) 03202, Spain

o.reinoso@goumh.umh.es

Prof. Dr. Luis Payá

System Engineering and
Automation Department, Miguel
Hernandez University, Elche
(Alicante) 03202, Spain

lpaya@umh.es

Deadline for manuscript
submissions:

closed (31 May 2019)

Message from the Guest Editors

Navigation is one of the fundamental abilities that mobile robots must be endowed with, so that they can carry out high-level tasks autonomously, in a specific environment.

The aim of this Special Issue is to present current frameworks in these fields and, in general, approaches to any problem related to the navigation of mobile robots. In this way, this Special Issue invites contributions to the following topics (but it is not limited to them):

- Map-based navigation
- Landmark-based navigation
- Algorithms and methods for navigation
- Data fusion for mobile robot navigation
- Deep learning in mobile robot navigation
- Vision-based mobile robot navigation
- Motion control
- Localization and environment modelling
- Applications of mobile robot navigation

