

# Simultaneous Localization and Mapping for Mobile Robots

## Introduction and Methods

As mobile robots become more common in general knowledge and practices, as opposed to simply in research labs, there is an increased need for the introduction and methods to Simultaneous Localization and Mapping (SLAM) and its techniques and concepts related to robotics.

**Simultaneous Localization and Mapping for Mobile Robots: Introduction and Methods** investigates the complexities of the theory of probabilistic localization and mapping of mobile robots as well as providing the most current and concrete developments. This reference source aims to be useful for practitioners, graduate and postgraduate students, and active researchers alike.

### Topics Covered:

- Feature Sensors
- Map Sensors
- Mobile Robot Localization
- Non-Holonomic Model
- Probabilistics
- Robotics
- Simultaneous Localization and Mapping (SLAM)



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# Simultaneous Localization And Mapping For Mobile Robots Introduction And Methods

**Didier Musso**



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