Maosen Wang

Background

- 1988-1992   Undergraduate study of Mechanics at the Southeast China Institut of Science and Technology
- 1992-1995   Master thesis "Computer aided reliability simulation of a Mechanical system" under the supervision of Prof. Si Zhukang, dean of Robot Institute, [Nanjing Universität of Science & Technology (NUST)](#)
- 1995- 2001   Work in Robot Institute of [NUST](#), Nanjing, China
- Since 2002   Research assistent / PhD student at the Dept. of Computer Architecture, [Eberhard-Karls-Universität Tübingen](#)

Research interests

- Biologically inspired robots
- Robot design (as Bipped Robot, surgical robot and rescue robot)
- Cooperation und Navigation of mobile robots
- Digital signal processing
- Pattern recognition

Current projects

- Biosonar based mobile robot navigation

Recent publications

Classification of natural landmark with Biosonar
        Maosen Wang and Andreas Zell
        J. Acoust. Soc. Am. Volume 116, Issue 4, October 2004, ISSN 0001-4966
Sequential sensing with Biosonar for natural landmark classification
        Maosen Wang and Andreas Zell ,
        SSRR 2005, IEEE International Workshop on safty, security and rescue robotics
        International rescue system institute, Kobe, Japan. ISBN 0-7803-8946-8
Robot Navigation Using Biosonar for Natural Landmark Tracking
        Maosen Wang , Hashem Tamimi and Andreas Zell ,
        CIRA 2005, 6 th IEEE International Symposium on Computational Intelligence in Robotics and Automation , Espoo, Finland. ISBN 0-7803-9356-2
Sensing strategy related biosonar features
        Maosen Wang and Andreas Zell
        Journal of field robotics, 2006 (under review)
Biosonar features for outdoor robot navigation
        Maosen Wang**,** Majid beigi and Andreas Zell
        Journal of Advanced Robotics, 2006 (under review)
Dribbling Control of Omnidirectional Soccer Robots
        Xiang Li, Maosen Wang and Andreas Zell
        IEEE International Conference on Robotics and Automation (ICRA07), (under review)
A comparison of two methods for natural landmark classification with Biosonar
        Maosen Wang, Rolf Mueller and Andreas Zell
        ISSN 0946-3852, WSI-2006-05,Tuebingen University, 2006.9

Book

        《Natural landmark classification with a Biosonar based mobile robot》
        Maosen Wang, Shaker verlag GmbH, Achen in Germany, ISBN

3-8322-5397-1, 2006.08

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