

**Bulk material volume estimation method and system for logistic applications**

**Shvarts, Dmitry; Tamre, Mart** Proceedings of the 9th International Conference of DAAAM Baltic Industrial Engineering, 24-26th April 2014, Tallinn, Estonia 2014 / p. 289-294 : ill

**Computer vision in applications of adaptive management**

**Shvarts, Dmitry; Tamre, Mart** 8th International Symposium "Topical Problems in the Field of Electrical and Power Engineering" : Doctoral School of Energy and Geotechnology. II : [Pärnu, January 11-16, 2010 : proceedings] 2010 / p. 212-215 : ill

**Control of autonomous mobile robots using wireless network and MATLAB**

**Vu, Trieu Minh; Tamre, Mart; Hudjakov, Robert; Shvarts, Dmitry; Põlder, Ahti; Hiimaa, Mairo; Juurma, Märt** Proceedings of the 11th International Conference of DAAAM Baltic Industrial Engineering : 20-22th April 2016, Tallinn, Estonia 2016 / p. 235-240 : ill  
<http://innomet.ttu.ee/daaam/>

**Global 3D map merging methods for robot navigation = 3D globaalkaardi ühendamise meetodid roboti navigeerimiseks**

**Shvarts, Dmitry** 2013 [https://www.ester.ee/record=b2967928\\*est](https://www.ester.ee/record=b2967928*est)

**Global descriptors [i.e descriptors] application in object recognition**

**Kupriyanov, Dmitry; Shvarts, Dmitry; Musalimov, Victor; Tamre, Mart** Shaping the Future by Engineering : 58th IWK, Ilmenau Scientific Colloquium, Technische Universität Ilmenau, 8-12 September 2014 : proceedings 2014 / p. 1-6 : ill

**Implementation of integrated wireless network and MATLAB system to control autonomous mobile robot**

**Tamre, Mart; Hudjakov, Robert; Shvarts, Dmitry; Põlder, Ahti; Hiimaa, Mairo; Juurma, Märt** International Journal of Innovative Technology and Interdisciplinary Sciences : IJTIS 2018 / p. 18-25 : ill <https://doi.org/10.1515/IJTIS.2018.1.1.18-25>

**Intelligent navigation control of mobile robots in unknown environment**

**Shvarts, Dmitry** 7th International Symposium "Topical Problems in the Field of Electrical and Power Engineering" : Doctoral School of Energy and Geotechnology. II : [Narva-Jõesuu, Estonia, 16.06-19.06.2009] 2009 / p. 39-42 : ill

**Local and global descriptors for place recognition in robotics**

**Shvarts, Dmitry; Tamre, Mart** Proceedings of the 8th International Conference of DAAAM Baltic Industrial Engineering, 19-21st April 2012, Tallinn, Estonia. 1 2012 / p. 351-356 : ill

**Review of methods for estimation of 2D homography**

**Shvarts, Dmitry; Tamre, Mart** 9th International Symposium "Topical problems in the field of electrical and power engineering". Doctoral school of energy and geotechnology. II : Pärnu, Estonia, June 14-19, 2010 2010 / p. 204-208 : ill

**Методы улучшения изображения для систем технического зрения мобильного робота**

**Shvarts, Dmitry** Journal of international scientific publications : Materials, methods & technologies 2009 / 2, p. 49-58