

automatika

**JOURNAL FOR CONTROL, MEASUREMENT, ELECTRONICS,
COMPUTING AND COMMUNICATIONS**

Published by KoREMA
Member of IFAC and IMEKO

Zagreb, Croatia

ISSN 0005-1144
ATKAAF 50(3-4), 109-274 (2009)
UDK: 007:62/68

Volume 50-2009
No 3-4

CONTENTS

- 113** Editorial
- 117** Address of the President of KoREMA
- Mato Baotić* **119** Polytopic Computations in Constrained Optimal Control
original scientific paper
- Mate Jelavić, Nedjeljko Perić* **135** Wind Turbine Control for Highly Turbulent Winds
original scientific paper
- Marin Despalatović, Martin Jadrić,
Božo Terzić* **152** Influence of saturation on on-line estimation of synchronous
generator parameters
original scientific paper
- Nikola Mišković, Zoran Vukić,
Matko Barišić* **167** Identification of Unmanned Underwater Vehicles by Self-Oscillation
Method
original scientific paper
- Kristijan Maček, Dizan Vasquez,
Thierry Fraichard, Roland Siegart* **184** Towards Safe Vehicle Navigation in Dynamic Urban Scenarios
original scientific paper
- Robert Cupec, Emmanuel Karlo
Nyarko, Andreja Kitanov, Ivan
Petrović* **195** RANSAC-Based Stereo Image Registration with Geometrically
Constrained Hypothesis Generation
original scientific paper
- Dražen Brščić, Hideki Hashimoto* **205** Sensing in Intelligent Spaces: Joint Use of Distributed and Onboard
Sensors
original scientific paper

<i>Ivica Draganjac, Alan Mutka, Zdenko Kovačić, Željko Postružin, Ranko Munk</i>	215 Design and Implementation of Remote Control System for Reactor Vessel Weld Inspection Manipulator <i>professional paper</i>
<i>Darko Vasić, Vedran Bilas</i>	227 Model-based stochastic inversion of coil impedance for determination of tube inner radius and electromagnetic properties <i>original scientific paper</i>
<i>Zvonimir Šipuš, Marko Bosiljevac, Ivan Lujo</i>	234 Specialty Optical Fibers: Analysis and Characterization <i>original scientific paper</i>
<i>Zvonko Kostanjčar, Branko Jeren, Jurica Cerovec</i>	245 Particle Filters in Decision Making Problems under Uncertainty <i>original scientific paper</i>
<i>Siniša Srbljić, Dejan Škvorc, Daniel Skrobo</i>	252 Widget-Oriented Consumer Programming <i>original scientific paper</i>
	265 Comments and Opinions
	269 Meetings and Events
	273 Our Authors