

automatika

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

Published by KoREMA
Member of IFAC and IMEKO

Zagreb, Croatia

ISSN 0005-1144
ATKAAF 47(1-2), 1-92(2006)
UDK: 007:62/68

Volume 47-2006. **1-2**
No

CONTENTS

- | | | |
|---------------------------|-----------|---|
| | 4 | Editorial |
| <i>Atsushi Kato</i> | 5 | Robust Network Motion Control System Based on Disturbance Observer
<i>original scientific paper</i> |
| <i>Abdul Muis</i> | | |
| <i>Kouhei Ohnishi</i> | | |
| <i>M. Rodič</i> | 11 | Mechatronic Systems' Control Design Using Dynamic Emulation of Mechanical Loads
<i>original scientific paper</i> |
| <i>K. Jezernik</i> | | |
| <i>M. Trlep</i> | | |
| <i>Danko Kezić</i> | 19 | An Algorithm for Deadlock Prevention Based on Iterative Siphon Control of Petri Net
<i>original scientific paper</i> |
| <i>Nedjeljko Perić</i> | | |
| <i>Ivan Petrović</i> | | |
| <i>M. Milanović</i> | 31 | Reduction of Ringing Losses in Flyback Converter by Using the RC-RCD Clamp Circuit
<i>original scientific paper</i> |
| <i>J. Korelič</i> | | |
| <i>A. Hren</i> | | |
| <i>F. Mihalič</i> | | |
| <i>P. Šlibar</i> | | |
| <i>Stjepan Bogdan</i> | 39 | Model Predictive Fuzzy Control of Longitudinal Ventilation System in a Road Tunnel
<i>professional paper</i> |
| <i>Bruno Birgmajer</i> | | |
| <i>Mladen Maletić</i> | 49 | The Acoustic Echo Cancellation Hands-free Communicator
<i>original scientific paper</i> |
| <i>Dubravko Müljković</i> | | |
| <i>Nino Stojković</i> | 59 | ADSL Analog Front End
<i>review</i> |
| <i>Branko Somek</i> | 69 | Coding Strategies for Cochlear Implants
<i>professional paper</i> |
| <i>Siniša Fajt</i> | | |
| <i>Ana Dembitz</i> | | |
| <i>Mladen Ivković</i> | | |
| <i>Jasmina Ostojić</i> | | |
| | 75 | Meetings and Events |
| | 81 | News and Topics |