

JOURNAL FOR CONTROL, MEASUREMENT, ELECTRONICS, COMPUTING AND COMMUNICATIONS

Published by KoREMA Member of IFAC and IMEKO Zagreb, Croatia

ISSN 0005-1144 ATKAAF 51(1), 1-108 (2010) UDK: 007:62/68 Volume 51–2010 No 1

CONTENTS

1	Edito	orio1
	Ean	лтаг

Krešimir Vrdoljak,	Nedjeljko Perić,
Ivan Petrović	

- 3 Applying Optimal Sliding Mode Based Load-frequency Control in Power Systems with Controllable Hydro Power Plants original scientific paper
- Matko Orsag, Marina Poropat, Stjepan Bogdan
- 19 Hybrid Fly-by-wire Quadrotor Controller original scientific paper
- Karel Jezernik, Asif Šabanović, Miran Rodič
- 33 Speed Sensorless Variable Structure Torque Control of Induction Motor original scientific paper

Lin Xu, Yang Han, Chen Chen, Jun-Min Pan, Gang Yao, Li-Dan Zhou, M. M. Khan 41 Modeling, Control and Experimental Investigation of a Novel DSTATCOM Based on Cascaded H-bridge Multilevel Inverter *original scientific paper*

Dražen Jurišić, George S. Moschytz, Neven Mijat 55 Low-Sensitivity Active-RC Allpole Filters Using Optimized Biquads original scientific paper

Marjan Korošec, Jože Duhovnik, Janez Kopač 71 Neural Network Based Quality Increase of Surface Roughness Results in Free Form Machining original scientific paper

Branimir Dropuljić, Davor Petrinović **79** Development of Acoustic Model for Croatian Language Using HTK *original scientific paper*

Liguo Yu, Alok Mishra

- **89** Risk Analysis of Global Software Development and Proposed Solutions *review*
- 99 Comments and Opinions
- 102 Meetings and Events