

automatika

JOURNAL FOR CONTROL, MEASUREMENT, ELECTRONICS, COMPUTING AND COMMUNICATIONS

Published by KoREMA
Member of IFAC and IMEKO

ISSN 0005-1144
ATKAAF 42(3-4), 113-244(2001)
UDK: 007:62/68

Zagreb, Croatia

Volume 42-2001. **3-4**
No

CONTENTS

	116	Editorial
<i>István Nagy</i>	117	Nonlinear Phenomena in Power Electronics <i>review</i>
<i>Darko Grundler</i> <i>Tomislav Rolich</i>	133	Evolutionary Algorithms (II) – Application <i>review</i>
<i>Ioannis K. Nikolos</i> <i>Nikos C. Tsourveloudis</i> <i>Kimon P. Valavanis</i>	143	Evolutionary Algorithm Based Off-Line Path Planner for UAV Navigation <i>original scientific paper</i>
<i>Mato Baotić</i> <i>Ivan Petrović</i> <i>Nedjeljko Perić</i>	151	Convex Optimization in Training of CMAC Neural Networks <i>original scientific paper</i>
<i>José Vicente Salcedo</i> <i>Miguel Martínez</i> <i>Javier Sanchis</i> <i>Xavier Blasco</i>	159	Design of GPC's in State Space <i>original scientific paper</i>
<i>Andrea Tilli</i> <i>Marcello Montanari</i>	169	A Low-Noise Estimator of Angular Speed and Acceleration from Shaft Encoder Measurement <i>preliminary communication</i>
<i>Drago Matko</i> <i>Gerhard Geiger</i> <i>Thomas Werner</i>	177	Modelling of the Pipeline as a Lumped Parameter System <i>original scientific paper</i>
<i>Davor Antonić</i> <i>Željko Ban</i> <i>Mario Žagar</i>	189	Demining Robots – Requirements and Constraints <i>review</i>
	199	Comments and Opinions
	207	Meetings and Events
	217	News and Topics
	223	Measurement in Words and Pictures
	229	Our Authors