



**11<sup>th</sup> International Symposium on POWER electronics – Ee 2001**  
**Novi Sad, Yugoslavia, Oct. 31 – Nov. 2, 2001**

| <b>T4-3</b>      |                                          | <b>SENSORS AND TRANSDUCERS<br/>SENZORI I MERNI PRETVARAČI</b> |                                                                                                                                                                                                                                                     |
|------------------|------------------------------------------|---------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Hall 3</b>    |                                          | <b>THURSDAY – ČETVRTAK<br/>Nov. 1, 2001 – 01. 11. 2001.</b>   |                                                                                                                                                                                                                                                     |
| <b>Chairman:</b> |                                          | <b>Prof. dr Slobodan Vukosavić YU</b>                         |                                                                                                                                                                                                                                                     |
| <b>T4-3.1</b>    | V. Vasić<br>S. Vukosavić                 | YU<br>YU                                                      | Greška u struji statora kao izvor za procenu brzine am<br>STATOR CURRENT ERROR AS SOURCE OF IM ROTOR SPEED<br>ESTIMATON                                                                                                                             |
| <b>T4-3.2</b>    | B. Stojić<br>P. Pejović                  | YU<br>YU                                                      | Analiza kompenzovanog strujnog senzora koji radi na principu hallovog<br>efekta<br>THE ANALISYS OF COMPENSATED CURRENT SENSOR ON<br>HALL EFFECT PRINCIPLE                                                                                           |
| <b>T4-3.3</b>    | A. Nikolić<br>B. Jeftenić                | YU<br>YU                                                      | Estimacija fluksa asinhronog motora merenjem u dc kolu<br>ESTIMATION OF INDUCTION MOTOR FLUX BY<br>MEASUREMENT IN DC LINK                                                                                                                           |
| <b>T4-3.4</b>    | M. Damnjanović<br>L. Nađ<br>Lj. Živanov  | YU<br>YU<br>YU                                                | Induktivni senzor pomeraja u ravni sa korekcijom odstupanja<br>DISPLACEMENT INDUCTIVE SENSOR IN THE PLANE WITH<br>CORRECTION OF DISAGREEMENT                                                                                                        |
| <b>T4-3.5</b>    | Z. Nikolin<br>S. Vukosavić               | YU<br>YU                                                      | Detekcija ugaone brzine i pozicije osovine primenom elektromagnetnog<br>rezolvera i fpga logičkog kola visokog stepena integracije<br>ANGULAR SPEED AND POSITION DETECTION BY<br>ELECTROMAGNETIC RESOLVER AND FPGA LSI LOGIC<br>CIRCUIT APPLICATION |
| <b>T4-3.6</b>    | S. Travica<br>M. Srećković<br>M. Živanov | YU<br>YU<br>YU                                                | Napajanje senzora optičkim putem<br>OPTICALLY POWERED SENSORS                                                                                                                                                                                       |
| <b>T4-3.7</b>    | G. Andreescu<br>A. Popa                  | Romania<br>Romania                                            | OBSERVERS FOR MOTION CONTROL OF SERVO-DRIVES –<br>COMPARATIVE STUDY                                                                                                                                                                                 |
| <b>T4-3.8</b>    | D. Mančić<br>M. Radmanović               | YU<br>YU                                                      | Projektovanje pretvarača pomoću “prividne elastičnosti”<br>DESIGN OF TRANSDUCERS BY MEANS OF THE “APPARENT<br>ELASTICITY” METHOD                                                                                                                    |