



## Curriculum vitae Europass



Name / Surname **Teodor PANA**  
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Nationality Romanian  
Birth Date 05.09.1954  
Sex Male

### Professional Background

- 1981-1986 Dipl. Eng., Manager of the Modems Dept. IEIA Cluj-Napoca
- 1986- 1991 Researcher (robotics) at the Polytechnic Institute of Cluj-Napoca
- 1995 – Ph.D degree in Electrical Engineering
- 1991-1996- Lecturer at the Technical University of Cluj-Napoca, Department of Electrical Drives and Robots
- 1996-1999 Associate Professor –same department

### Management Positions

- Present position – Professor, Ph.D Advisor, Technical University of Cluj-Napoca, Dept. of Electrical Machines and Drives
- Vice-Dean of the Faculty of Electrical Engineering
- Head of the Department of Electrical Machines and Drives (at present)

### Present Position

**Professor, Ph.D, Technical University of Cluj-Napoca, Romania**

### Professional Expertize

#### Skills

Sensorless Vector Control of Induction Motor  
Digital Control  
Intelligent control of Electrical Vehicles

#### Teaching Activity

Microprocessors and Microcomputers  
Digital Control of the Electrical Drives  
DSP Architectures and Applications

<b>Research Activity</b>	Manager of the Following Research Projects (selection): <ol style="list-style-type: none"> <li>1. Teodor PANA, “ <b>Development of a Tool for the Calculation of the Temperature Distribution in Electrical Machines</b>” Partner: SIEMENS, GERMANY, 2005.</li> <li>2. Teodor PANA” <b>Cooperative Soccer Playing Robots Stuttgart</b>”, Unversitat Stuttgart, Die Fakultat Informatik, Electrotechnik und Informationstechnik, Contract SFB 467, Tip DFG Schwerpunkt, 2004.</li> <li>3. Teodor Pana, “<b>Sensorless Vector-Controlled Drives for Direct Drive Electrical Vehicles with ABS and Antiskating Control</b>, Research Program with The Romanian Minisrtry Of research and Education, A, Nr. 34/1998, Theme 26/125/ 30.10.1998, 1998-2001.</li> <li>4. Teodor PANA’ « Rotor Flux, Speed and Rotor Resistance Estimation in Vector-Controlled Induction Motor Drives, with Apllications in Direct Driven Electrical Vehicles », Research Program with The Romanian Minisrtry Of research and Education, A, 2002-2004.</li> <li>5. Teodor Pana and Yoichi HORI (Tokyo Univ.), “<b>Sensorless Vector-Controlled Drives for Direct Drive Electrical Vehicles</b> ”, Nr. 1208/96 Theme B1, In cooperation withTokyo University Japan, 1997-2000.</li> </ol>
<b>Publications</b>	<ul style="list-style-type: none"> <li>- 4 Books in the field of Digital Control of Electrical Drives</li> <li>- 18 papers published in International Reviews (ISI, B+)</li> <li>- more than 80 papers published in the Proceedings of International Conferences</li> </ul>
<b>Languages</b>	English – speaking – fluently, reading and writing French - speaking – well, reading and writing