

Aurelian Crăciunescu



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Personal

Romanian citizen.

Education

Ph.D. Electrical Engineering, the University *Politehnica* of Bucharest, 1973.

M.Sc. Electrical Engineering, the University *Politehnica* of Bucharest, 1963.

Teaching and Research Fields

Electrical Machines, Electrical Drives, Renewable Energies.

Employment

Professor of Electrical Engineering, University *Politehnica* of Bucharest, 1991-present.

Associat Professor of Electrical Engineering, University *Politehnica* of Bucharest, 1978-1990.

Lecturer of Electrical Engineering, University *Politehnica* of Bucharest, 1973-1977.

Assistant Professor of Electrical Engineering, University *Politehnica* of Bucharest, 1963-1972.

Professional Activities

Supervised PhD thesis: 42, with electrical machines, drives and renewable energy subjects.

Responsible for International Project:

1. Transparent Simulation Programme for Electrical and Hybrid Vehicles, 1982 – 1983
Associated Contract ERB-CIPDCT-930349 to the Contract ERB-JOU2-CT92-0200. Coordinated by University of Kaiserslautern, Germany
2. Development and application of water pumping system for remote areas 2000 – 2002
consisted of photovoltaic (PV) modules with inverters integrated into the PV modules and a new type of a asynchronous pump motor. Contract ICOP-DEMO-2154-1996, coordinated by Agricultural University of Athens, Greece.
3. NETCAMPUS – Improving Open and Distance Learning in a Network, Socrates- 2000 – 2003
Minerva Project. Coordinated by Europace Organization, Leuven, Belgique.
4. PV ENLARGEMENT – Technology Transfer, Demonstration and Scientific 2002 – 2006
Exchange Action for the Establishment of a Strong European PV Sector. Contract no. NNE5/736/2001, coordinated by WIP, München, Germany.
5. Proiect „Leonardo da Vinci” D/98/2/05157/PI/II.1.1a/CONT „TEQUITA – 1998 – 2000
Teamorientierte Qualifizierungsmodelle für Informations- und Telekommunikationsausbildung”, Koordinator: Bezirksregierung Düsseldorf (NRW-Deutschland).
6. EURO-EXIST: Kooperationsvertrag „Qualifizierungskonzept(e) zur Förderung 1999 – 2000
europäisch ausgerichteter Existenzgründungen”, LEONARDO-Pilotproject No. D/99/2/011081/P1/II.1.1.a/FPC, Koordinator: Bezirksregierung Düsseldorf (NRW-Deutschland).
7. VICO-ECOM: Virtual Corporate Learning about Electronic Commerce, 2000 – 2003
LEONARDO DA VINCI Pilot Project D/01/B/F/PP-112511, Coordinator: the Berufskolleg Rheydt Mülfort für Wirtschaft und Verwaltung, 3738 Euro

Director of National Project:

1. Motor de curent continuu cu magneți permanenți pentru transport uzinal 1982 – 1983
realizat în gabaritul motorului Ce 80-TU. Contract de cercetare științifică nr. 4-2-3/29.06.1982, beneficiar: UMEB, București.
2. Acționări electrice monofazate cu performanțe de pornire îmbunătățite 1999
pentru pompe și ventilatoare, Contract de cercetare ANSTI.
3. Tehnici avansate de comandă a acționărilor electrice, M.C.T., Contract de 1999
cercetare U.P.B.;
4. RELANSIN/ Vehicul electric ușor cu utilizări multiple 2001 – 2002
5. RELANSIN/ Sistem electric de propulsie pentru vehicule rutiere 2001 – 2002

Member of professional societies:

- IEEE Industrial Electronics Society,
- SEPA – Solar Electric Power Association,
- EPE – European Power Electronics.

Session Conference Chairman:

- Symposium on Advanced Topics in Electrical Engineering – ATEE 2013, May 23÷25 2013, Bucharest, Romania.
- International Conference on Renewable Energies and Power Quality – ICREPQ'13, March 20÷22, 2013, Bilbao, Spain.
- International Conference on Renewable Energies and Power Quality – ICREPQ'12, March 28 - April 1, 2012, Santiago de Compostela, Spain.

- International Conference on Renewable Energies and Power Quality – ICREPQ'11, April 13-15, 2011, Las Palmas, Spain.
- International Conference on Renewable Energies and Power Quality – ICREPQ'10, March 23-25, 2010, Granada, Spain.
- World Congress on Engineering and Computer Science – WCECS 2009, October 20-22, 2009, San Francisco, USA.
- The 10th International Conference on Optimization of Electrical and Electronic Equipment – OPTIM 2006, May 18-19, 2006, Braşov, Romania.
- The 12th International Conference on Optimization of Electrical and Electronic Equipment – OPTIM 2010, May 20-22, 2010, Braşov, Romania.
- The 6th Symposium on Advanced Topics in Electrical Engineering – ATEE 2008.

Founding Member and Member of Board of Directors:

- **EuroPACE 2000** – Virtual University of Europe (1992-2000). Central quartier in Leuven, Belgium.
- **CPRU** -" Centrul pentru Perfecționarea Resurselor Umane – Center for Human Resources Development" of University Politehnica of Bucharest (1990).

Conference Paper Reviewer:

- IEEE AFRICON 2009,
- EDPE 2011 – the 17th International Conference on Electrical Drives and Power Electronics, the High Tatras, Slovakia, 28-30 September, 2011,
- OPTIM – International Conference on Optimization of Electrical and Electronic Equipment, Brasov, Romania, 2008, 2010, 2012.
- The 8th Int. Symposium on Advanced Topics in Electrical Engineering – ATEE'13, May 23-25, 2013, Bucharest, Romania.

International Grants:

DAAD Grant for Visiting Professor at University of Duisburg, Duisburg, Germany, 1992.

DAAD Grants for Visiting Professor at Technical University of Darmstadt, Germany, 1994, 1996, 2000.

Socrates-Erasmus Mobility Coordinator:

Technical University of Darmstadt, Germany, Partner: Prof. Dr.-Ing. Dr.habil, Dr.h.c, Andreas Binder.

Technical University of Eindhoven, the Netherlands, Partner: Prof. Dr. Ir. Elena Lomonova.

University of Lisbon, Portugal, Partner: Prof. Dr. Ing. Stan Valtchev.

Administrative activities:

- **Vice-dean** of Electrical Engineering Faculty: 1978-1981; 1982-1985; 1986-1989.
- **Dean** of Electrical Engineering Faculty: 1990-1992.

Sept., 2021

Prof. emeritus Aurelian Crăciunescu, PhD