

Name: De Sabata

First Name: Aldo

Status

- Married, 2 children
- Citizenship: Romanian
- Born: February 18, 1961, Timișoara, Romania

Education

- 1985: Engineering Diploma, **Electronics and Telecommunications**, Faculty of Electrical Engineering, Polytechnic Institute "Traian Vuia", Timișoara (now "Politehnica" University)
- 1992: **Doctor Diploma (PhD), specialization Electronics**, Polytechnic Institute of Bucharest (now "Politehnica" University).

Career

- **01.10.2002 "Politehnica" University of Timișoara**
Professor (2002), Associate Professor (1997-2002), Lecturer (1992-1997), Assistant Lecturer (1990-1992) with the Faculty of Electronics and Telecommunications
Courses for license and master students on High Frequency Technique (in Romanian and English) Microwaves, Antennas and Propagation (in English, newly introduced) Microwave Measurements (newly introduced), Optoelectronic and High Frequency Instrumentation (in Romanian and English, newly introduced), Spectral Analysis, Electronic and Optoelectronic Devices, Lasers and Applications to Medicine (newly introduced), Optical Electronics (for undergraduates in Electronic Engineering and graduates in Solar Energy), Adaptive Methods in Measurements Technique (newly introduced), Time-Frequency Representations (in French, newly introduced), Prolog for Artificial Intelligence and Signals, Circuits and Systems.
- **1988-1990 Polytechnic Institute "Traian Vuia", Timișoara**
Faculty of Electrical Engineering, Department of Applied Electronics: research contracts in Signal Processing and education (applications classes).
- **1985-1988 Institute for Computing Technique, Timișoara Branch:** Electronic Engineer. Assessment and final revision of products, maintenance of measuring instruments, research contract – data acquisition.

Publications

- authoring or coauthoring of 8 books issued by national publishers
- coauthor of a chapter in a book issued by an international publisher (in English)
- Over 100 journal articles and conference proceedings papers

Grants and Contracts

- Director of the grant 6153GR: "New non-uniform sampling methods with applications to spectral analysis", grant ANSTI, CNCSIS, Theme 60, code 411, 2000-2002, 9870 RON.
- Contractor to the Tempus AC JEP Program 13438-98 "Restructuring post-university DSP courses", granted by European Training Foundation, 1998-2001, 230.000 EURO
Activities:
 - Syllabi restructuring for courses on Digital Signal Processing (DSP)
 - Purchase of modern equipment for new DSP laboratories
 - Publication of a book series intended for students attending the DSP courses, written by participants to the program.
- Director for the contract UPT 19496/18.11.08, "Study of the potential from renewable sources in the Department Timiș – specifications" with the Mayor's Office of the town of Jimbolia, in the framework of the PHARE CBC Ro-Hu 2006 project, contract RO-2006/018-446.01.01.01.07, 2008, 17000 RON

- Director for the contract UPT no. BC10/08.02.2012 "Courses on Optical Communications and High Frequency Techniques", for Flextronics România srl, 2012, 4800 RON.
- Direct contract with SC RUWATIM SMAU SRL, "Technical consultancy and specifications for the Feasibility Study of the project 'Technology Park for Alternative Energy' in Timișoara", targeting European funding, 1200 EURO.
- Research director for "Platform for Solar Energy - PSE-TM" 2006-2009, code CNCSIS 38, in the framework of the MEC-CNCSIS-UEFISCSU program "Platforms/laboratories for education and interdisciplinary research". Funding: MEC contribution of 3.385.000 RON, UPT contribution of 4.232.764 RON, for a total of 7.617.764 RON, director prof. dr. ing. Nicolae Robu. Contributions:
 - restart of research in the field of Solar Energy in the University
 - organizing and equipment for 6 new laboratories and a Solar House
 - publication of articles in journals from the main international stream
 - introduction of a new master program on Solar Energy
 - participation to international exhibitions and fairs
 - restart of contracts-based cooperation with industry
 - mass-media dissemination of results in Solar Energy.

http://uefiscdi.gov.ro/UserFiles/File/comunicare/Platforme_pt%20web.pdf pag 131

- Participant to other 15 research contracts and grants in the frameworks: CNCSIS, Parteneriate, CEEEX, PNCDI-INFRAS, in the fields of Microwaves, Signal Processing, Optical Electronics and Solar Energy.

Mobility Grants

- Tempus mobility grant with Fachhochschule Karlsruhe, Germany, with European Financing, 2 weeks, December 2000, for elaborating a course in Adaptive Methods in Measurements Technique
- Tempus mobility grant with Technical University of Granada, Spain, with European Financing, 2 weeks, October 2000, for documentation on a course in Adaptive Methods in Measurements Technique
- Tempus mobility grant with National Technical University of Athens, Greece, with European Financing, 2 weeks, November 1999, for curriculum development in the field of Digital Signal Processing
- One-week seminar on digital radio and TV transmissions held with and financed by Kathrein Werke, Rosenheim, Germany, 1999.
- Tempus mobility grant with ITAL TBS SpA, Trieste, Italy, with European financing for a training in Biomedical Engineering, 12 weeks, 1997
- Postdoctoral mobility grant with the Research Centre in Automation, Nancy, France within National Polytechnic Institute of Lorraine, 9 months, 1993-1994, financed by the French government

Courses Sustained Abroad

- Technology University Institute of Rennes, France, 2001: 4 months as "Professeur Associé a Service Temporaire" - PAST invited by the Department of Electrical Engineering and Geodesy; lectures on General Electronics and Digital Signals Processors for the 1st and 2nd years.
- Politecnico di Torino, Italy, as Agreement local coordinator in the Socrates-Erasmus framework (2004-2009): 8 hours/year of microwave lectures for 3rd year license students of the Second Faculty of Engineering, with the topic: "S parameters"; 70 pages of lecture notes written for the audience (mandatory course for continuation at the Master level).

Administration

- Member in the Council of the Department of Measurements and Optical Electronics within the Faculty of Electronics and Telecommunications, "Politehnica" University of Timișoara from 2012
- Member in the Council of the Faculty of Electronics and Telecommunications, from 2009
- Scientific Secretary of the faculty of Electronics and Telecommunications, 2000 - 2008; organization of 4 international conferences (2000, 2002, 2004 and 2006 editions of the International Symposium of Electronics and Telecommunications, current edition at <http://www.etc.upt.ro/isetc2012/home.php>) and two national conferences "Doctor ETc" (2005 and 2007 editions, current edition at <http://www.etc.upt.ro/ro/cercetare/conferinte/dretc>).
- Member in the board of the chair of Telecommunications, 1992-1996.

Expertise

- RENAR, CNCSIS, member IEEE
- Long term expert in a non-linguistic discipline in the program "Quality Assurance in the Internationalized Master Education: development of the national framework in view of compatibilization with the European Higher Education Area - ASGMA": project co-financed from the European Social Fund through *Operational Sectorial Program Development of Human Resources, 2007-2013*.

Foreign Languages

- English: abilities in reading, speaking, writing
- French: abilities in reading, speaking, writing
- Italian: abilities in reading, speaking

Timișoara, May 28 2012

Aldo De Sabata