

**Name:** De Sabata  
**First Name:** Aldo  
**Status**

#### **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), Electromagnetic Compatibility, 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, maintainance 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 130 journal articles and conference proceedings papers

#### **Grants and Contracts**

- Grant: "Characterization and Improvement of the Electromagnetic Environment in Modern Cars, Including Visible Light Communications and Augmented Reality", 2018-;
- Grant: "Ionospheric Propagation Predictions and Wideband Communications Using HF SDR Sensors for Informational Support in Emergency Situations in Romania", 2014-2017;
- Grant: "New non-uniform sampling methods with applications to spectral analysis", grant ANSTI, CNCSIS, Theme 60, code 411, 2000-2002;
- Contractor to the Tempus AC JEP Program 13438-98 "Restructuring post-university DSP courses", granted by European Training Foundation, 1998-2001;
- Contract: "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;

- Contract: "Courses on Optical Communications and High Frequency Techniques", for Flextronics România srl, 2012;
- Contract "Technical consultancy and specifications for the Feasibility Study of the project 'Technology Park for Alternative Energy' in Timișoara" , 2011;
- 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".
- 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.

### **Administration**

- Member CNATDCU (board for university titles awarded by the Ministry of Education), 2017-
- Member of the Council for Doctoral Studies, Politehnica University Timișoara, 2017-
- 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, UEFISCDI, CNATDCU, Cyprus Research Promotion Foundation, member IEEE

### **Foreign Languages**

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

Timișoara, Dec. 17, 2019

Aldo De Sabata