

PERSONAL INFORMATION

Cătălin-Daniel Căleanu



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Sex M | Date of birth 30/06/1971 | Nationality Romanian

POSITION

Prof.dr.eng.,
Department of Applied Electronics,
Faculty of Electronics and Telecommunication, University Politehnica Timișoara

WORK EXPERIENCE

2014 - present Professor
2008 - 2014 Associate Professor
2001 – 2008 Lecturer
1998 – 2001 Teaching Assistant
1995 – 1998 Researcher

Department of Applied Electronics, www.ea.etc.upt.ro

Faculty of Electronics and Telecommunication, www.etc.upt.ro

University Politehnica Timișoara, www.upt.ro

▪ Main activities and responsibilities: education, research

Business or sector: academic

EDUCATION AND TRAINING

1996 – 2001 **Ph.D**
“Face recognition using parallel neural processing and interest operator method”
Electronics and Telecommunications Engineering
University Politehnica Timișoara

1995 – 1996 **MSEE**
“Edge perception using fuzzy logic”
Electronics of intelligent systems
University Politehnica Timișoara

1995-1996 **BS**
“Hard&soft interface for fuzzy systems control”
Applied Electronics
University Politehnica Timișoara

PERSONAL SKILLS

Mother tongue(s) Romanian

Other language(s)	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	C1	C1	C1	C1	C1
French	B1	B2	B1	B2	B1

Levels: A1/2: Basic user - B1/2: Independent user - C1/2 Proficient user
Common European Framework of Reference for Languages

Organisational / managerial skills Member of the organizing committee for several international scientific conferences e.g. International Symposium on Electronics and Telecommunication ISETC 2008, 2010, 2012, 2014, IEEE Workshop on Human Body Communications and Biomedical Signal Processing 2013, Beijing, China.

Computer skills

- Languages: Assembler, C/C++/C#, MATLAB
- Packages: Cadence OrCAD, Altium Designer, MPLAB, KEIL uVision, GCC, Microsoft Office
- OS: DOS, Windows 3.1/95/98/ME/NT/2000/XP/Vista/7/8, Linux

Driving licence ▪ B

ADDITIONAL INFORMATION

Publications Over 70 scientific paper – see the annex for the complete list

- Projects** 7 grants as project director:
- 2012 *Generic Central Display*, Continental Automotive
 - 2009 *Research on facial expression recognition in complicated environments*, International Research project within the framework of Romania-China Bilateral Research Activities
Granted by The National Authority for Scientific Research (ANCS)
 - 2009 *New Methods in Facial Expression Analysis and Recognition*
Granted by Ministry of Education, Research and Youth, The National Authority for Scientific Research, CNCSIS-UEFISCSU
 - 2006 *C#.NET Implementation for a Facial Detection and Recognition Neural System*
Granted by CNCSIS – National Council for Academic Scientific Research
 - 2005 *Artificial Intelligence based System for Facial Detection and Recognition*
Granted by CNCSIS – National Council for Academic Scientific Research
 - 2004 *Mobile Autonomous Robots Navigation Based on Symbolic Environment Representation*
Granted by CNCSIS – National Council for Academic Scientific Research
 - 2003 *Artificial Intelligence Based Universal Prediction Kernel*
Granted by Romanian Academy

Invited professor

2010

University of Aeronautics and Astronautics, "Beihang", Beijing, China

2006

École Nationale Supérieure des Télécomm. (ENST) de Bretagne, France

2003

Complex Systems Laboratories – University of Evry, France

1999

University of Strathclyde, Glasgow, UK

1996

Reviewer for ISI Indexed Journals

University of Central Lancashire, Preston, UK

1. Pattern Recognition Letters, Elsevier, The Neatherlands.
2. The Institution of Electronics and Telecommunication Engineers Technical Review, India
3. ETRI Journal, Electronics and Telecommunications Research Institute, South Korea.
4. Digital Signal Processing, USA.

Honours and awards

UEFISCSU prizes: „Research Awards for Articles”, PN-II-RU-PREC-ISI, 2007, PN-II-RU-PRECISI-2011-5, 2011

Courses

Embedded Systems, Electronic Devices and Circuits, Neural Networks, Fuzzy Systems, Expert Systems, Artificial Intelligence Elements

Memberships

IEEE - The Institute of Electrical and Electronics Engineers, Inc., New York, USA
Computational Intelligence Society

ANNEXES

- Complete lists of all publications