

## CURRICULUM VITAE

**Name:** POZNA;

**First name:** Claudiu Radu;

**Birthday and Birthplace:** 08.05.1965 Sighisoara jud. Mures Romania;

**Civil status:** married, two children;

**Foreign languages:** Hungarian, English, French, German;

**Personal address:** str. N.Balcescu; nr.369 Ozun; jud. Covasna  
M-phone: 0040743176344,  
E-mail: claudiu.radu63@gmail.com

**Professional address:** Szecheny Istvan University Gyor, Informatics Department,  
Gyor, Egyetem Ter 1; Phone: 003696503463

Transilvania University of Brasov; Electrical Engineering Faculty;  
Automation Department;  
B-dul Eroilor nr. 29 Brasov; Phone:0040268 412921

**High school studies:** graduate in 1984 from Lyceum "Horia Hulubei" Bucharest;

**Universities studies:** 1990 Engineer diploma, from Transilvania University of Brasov ;  
Technological specialty ; marks average 9.57 (1 to 10);

### **Professional activity:**

- 1990 engineer at S.C. IMASA S.A. Sf. Gheorghe;
- 1992 Technical Head of Driven axel Department from S.C. IMASA S.A. Sf. Gheorghe
- 1994 Professor Assistant at Transilvania University of Brasov, Machine Elements Department and Robotics;
- 1998 Lecturer at Transilvania University of Brasov, Machine Elements and Robotics department;
- 1998-2001 Manager consultant at S.C. Subansamble Auto S.A. Sf.Gheorghe
- 2000 Senior Lecturer at Transilvania University of Brasov, Industrial Design and Robotics department;
- 2004-2006 Doctor Engineer at University of Applied Science from Heilbronn, Germany, Automotive Systems department;
- 2006-2010 Senior Lecturer at Transilvania University of Brasov, Industrial Design and Robotics department;
- 2010 Visiting professor at Széchenyi István University Faculty of Engineering Sciences, Department of Automation Gyor Hungary;

- 2010-2013 Head of Informatics Department at Széchenyi István University Faculty of Engineering Sciences Győr Hungary;
- 2012- ... Head of Robotics Study Program at Transilvania University Brasov Romania;
- 2013 Professor at Transilvania University from Brasov Romania;
- 2013 Professor at Szechenyi Istvan University from Győr Hungary

### Scientific activity:

- **Doctoral Thesis:** Contributions on Analysis and Synthesis of Biped Robots Locomotion, 1998 , Robotics field;
- **Habilitation Thesis** at Széchenyi István University Győr Hungary, Informatics field;
- **Competence fields:**
  - Control Engineering;
  - Robotics;
  - Dynamic Analysis and Simulation Techniques;
  - Artificial Intelligence, Machine Learning
  - Programming in MATLAB.
- **Scientific papers:** 150 scientific papers /500 citations papers; h-index12;g-index19; the most important publications:
  - POZNA C., Precup, R., Foldesi, P A novel pose estimation algorithm for robotic navigation. *Robotics and Autonomous Systems* 63 (2015) 10–21, ISSN: 0921-8890 IF=1.105 (2015)
  - POZNA C., Precup, R., Applications of Signatures to Expert Systems Modelling. In *Acta Polytechnica Hungarica* vol 11, no.2, ISSN 1785-8860 IF=0.588 (2014)
  - Grigorescu, S., POZNA, C., Towards a Stable Robotic Object Manipulation Through 2D-3D Features Tracking, *Int J Adv Robotic Vol.* 10, ISSN 1729-8806; IF= 0.821; pp. 45-55; (2013)
  - Precup, R., POZNA, C., Stability analysis and design of a class of MIMO fuzzy control systems", 2013, *Journal of Intelligent & Fuzzy Systems* 25, ISSN 1064-1246, IF= 0.788, pp. 145-155(2013)
  - POZNA, C., Minculete, N., Precup, R.-E., Kóczy, L. T. and Ballagi, Á. Signatures: Definitions, operators and applications to fuzzy modeling. *Fuzzy Sets and Systems* (Elsevier Science), pp. 1-19, SCI IF = 1.875, ISSN 0165-0114 (2012);
  - Minculete, N., POZNA, C. and Precup, R.-E.: A refinement of Sandor-Toth's inequality. *Journal of Inequalities and Applications* (SpringerOpen), 2012: pp 4- 16, ISSN 1029-242X, SCI IF = 0.879, SCI impact factor in 2012 = 0.726 (2012);
  - POZNA C., Precup, R.-E., Aspects concerning the observation process modeling in the framework of cognition process. In *Acta Polytechnica Hungarica* Vol.9 No.1, 2012, pp.203-223, ISSN 1785-8860, SCI IF=0.385, (2012);
  - POZNA, C., Precup, R.-E., Tar, J. K., Škrjanc, I., Preitl, S.: *New results in modelling derived from Bayesian filtering*, *Knowledge-Based Systems* Volume 23, Issue 2, pp. 182-194, ISSN: 0950-7051; IF=1.574, SCR impact factor in 2012=2.422, (2010);
  - Alexandru C, POZNA, C. Simulation of a dual-axis solar tracker for improving the performance of a photovoltaic panel *Proceedings of the Institution of Mechanical Engineers part A- Journal of Power and Energy* 224, pp. 797-811,ISSN 0957-6509; IF: 0.792, (2010);

- POZNA, C., Troester, F., Precup, R.-E., Tar, J. K., Preitl, S.: *On the design of an obstacle avoiding trajectory: Method and simulation*, Mathematics and Computers in Simulation, Vol. 79, Issue 7, pp. 2211-2226, ISSN: 0378-4754; IF=0.946, (2009);
- Precup, R.-E., Preitl, S., Petriu, E. M., Tar, J. K., Tomescu, M. L., POZNA, C.: *Generic two-degree-of-freedom linear and fuzzy controllers for integral processes*, Journal of the Franklin Institute, Volume 346, Issue 10, pp. 980-1003, ISSN: 0016-0032, IF=2.724, (2009).
- **Books** 10; the most important publications:
  - L.T. Koczy, C. POZNA, C. Issues and Challenges of Intelligent Systems and Computational Intelligence ISBN 978-3-319-03206-1 Springer 2014
  - Pozna C. The Manipulators Model (Modelarea robotilor cu post fix). MatrixRom Bucharest 2015;
  - Pozna, C. The Autonomous Car, Ed. Univ. Transilvania din Brasov 2006
  - Pozna, C. Control Engineering. MatrixRom Bucharest 2004;
  - Pozna, C. The Robots Control Engineering. CIT Brasov 2000;
- **Scientific contracts-projects:**
  - 2 in Romania like project manager:
    - “New design methodology on modular robots” (2007-2008; 70.000 EUR)
    - “Research on new cognition systems based on experimenting the causal relations” (2009-2010-2011; 254.847 EUR):
  - 1 in Germany at University of Applied Science Hochschule Heilbronn:
    - “ACC Fahrautomat” (1.000.000 EUR)
- **Editor at:**
  - Journal of Advanced Computational Intelligence and Intelligent Informatics Fuji Technology Press ; ISSN : 1343-0130(Print) / 1883-8014(Online)

**Didactically activity (teaching) and invited professor:**

- in Romania, at Transilvania University of Brasov:
  - Control Engineering;
  - Robots Control;
  - Mobile Robots;
- in Hungary
  - Robots Control;
  - Soft design;
  - Simulations
- in Germany at Hochschule Heilbronn(2004-2005):
  - Simulationstechnik ;
- in Scotland at Herriot-Watt University Edinburgh (2002):
  - Control Engineering ;
- in France at IUT Metz (2001):
  - Control Engineering in Robotics;