





PERSONAL INFORMATION

BARA ALEXANDRU

-  Cluj-Napoca, Romania
-  -  +40722 4050xx
-  albara@uoradea.ro
-  <http://webhost.uoradea.ro/albara>
- 

Sex: Male | Date of birth: | Nationality : Romanian

WORK EXPERIENCE

- 2001 - present **Associate Professor**
University of Oradea, 410087 Oradea, Romania
Universitatii 1 Street, Tel./Fax:+40259 408235/+40259 408412
Faculty of Electrical Engineering and Information Technology
Control Systems Engineering and Management Department
 -
- 2008-2011 **Project Manager**
 - **Grant** CNCSIS ID_694/2008 „ Researches on Designing, Implementing and Development of Intelligente Mechatronic Systems
- 1993-2001 **Lecturer**
University of Oradea
 -
- 1984-1993 **Engineer**
Metallurgical Entreprise of Aiud
 -
- 1983-1984 **Engineer**
“Electroprecizia” Entreprise Sacele
 -

EDUCATION AND TRAINING

- 1994-2000 **PhD - Thesis Title “Contributions on Fuzzy Systems Synthesis and Implementation with Applications to Thermal Processes”**
Technical University of Cluj –Napoca, Romania
 -
- 1978-1983 **Bechelor’s degree**
Technical University of Cluj –Napoca, Romania
 -
- 1972-1977 **Baccalaureate Diploma**
Metallurgical College of Aiud

PERSONAL SKILLS

Mother tongue(s) Romanian

Other language(s)	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	A1	A1	A1	A1	A1
French	A1	A1	A1	A1	A1

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

Communication skills ▪ Good communication skills gained through my experience as teacher

Organisational / managerial skills Good organisational / managerial skills gained through my experiences as:
▪ project manager;
▪ leadership (I was responsible for a team of 6 people);

Job-related skills ▪ Good experience with control of processes

Computer skills ▪ Competent with MATLAB-SIMULINK;
▪ Competent with most Microsoft Office programmes;

Driving licence ▪ B

ADDITIONAL INFORMATION

Scientific books

1. **Bara, A.,** - *Ingineria Reglarii Automate* – Editura Universitatii din Oradea, 2010, ISBN 978-606-10-0032-6
2. **Bara, A.,**- *Sisteme de reglare ale ac ion rilor electrice,* Editura Universitatii din Oradea, 2009, ISBN 978-973-759-868-4
3. **Bara, A.,**-*Sisteme fuzzy – Aplica ii la conducerea proceselor,* Editura UT Press, Cluj – Napoca , 2001, ISBN 973-9471-75-7
- 4.**Bara, A.,** *Identificarea sistemelor,* Editura UT Press, Cluj – Napoca , 2001, ISBN 973-9471-91-9
- 5.**Bara, A.,** *Modelarea i simularea sistemelor fuzzy,* Editura Victor Melenti, Cluj – Napoca , 2001, ISBN 973-99539-1-3

ISI Indexed Publications

1. **Bara, A.**, Dale, S., Nagy, T.Z., *Comparative Real-Time Experimental Study Case for Control Algorithms, From Implementation Point of View*, Proceedings of the 8th WSEAS International Conference on System Science and Simulation in Engineering (ICOSSSE'09), ISSN 1790-2769, ISBN 978-960-474-094-9, University of Genova, Italy, october 17-19, 2009, pp. 302-306
2. **Bara, A.**, Dale, S., *Dynamic Modeling and Stabilization of a Wheeled Mobile Robot*, Proceedings of the 5th WSEAS International Conference on Dynamical Systems and Control (CONTROL'09), ISSN 1790-2769, ISBN 978-960-474-094-9, University of La Laguna, Tenerife, Spain July 1-3, 2009, pp. 87-92
3. **Bara, A.**, Rusu, C., Dale, S. *DSP Application on PMSM Drive Control For Robot Axis*, Proceedings of the 13th WSEAS International Conference on Systems, ISSN 1790-2769, ISBN 978-960-474-097 -0, Rodos, Greece, July 22-25, 2009, pp. 381-385
4. Dale, S., **Bara, A.**, Gabor, G., *Comparative Study Case for Interpolative-Type Synthetic Input Controllers on a Ball and Beam System*, Recent advances in Fuzzy Systems, Proceedings of the 10th WSEAS International Conference on Fuzzy Systems, Praga, Mar 23-25, 2009, pp. 76-83, ISSN 1790-5109; ISBN: 978-960-474-066-6
5. **Bara, A.** Dale, S., *Fuzzy model based predictive control of nonlinear processes*, Proceedings IEEE-TTTC 2008, Tome II, ISBN: 978-1-4244-2576-1, pp.203-106, AQTR 2008, May 22-25 2008, Cluj-Napoca Dale, S. **Bara, A.**, *A Simple Method to Develop Interpolative Controllers with Robustness Proprieties at Step Reference Changes*, Proceedings IEEE-TTTC 2008, Tome II, ISBN: 978-1-4244-2576-1, pp.186-192, AQTR 2008, May 22-25 2008, Cluj-Napoca
6. **Bara, A.**, *An Algorithm for Fuzzy Relation Identification*, Proceedings IEEE-TTTC 2006, Tome1, pp.96-102, AQTR 2006, May 25-27 2006, Cluj-Napoca,
7. C. Rusu, I. Birou, M. Radulescu, A. Bara, *Developing Embedded Control System Platform for Testing PMSM Drives*, 8th International Conference And Exposition On Electrical And Power Engineering (EPE), 2014, Iasi, pp.677-682
8. A. Bara, S. Dale, C. Rusu, H. Silaghi, *DC Electrical Drive Control with Fuzzy Systems*, Proceedings of 13th International Conference on Engineering of Modern Electric Systems, EMES'2015, 11-12 Iunie 2015, Oradea

Projects

1. **Grant** CNCSIS ID_694/2008 „ Researches on designing, Implementing and development of Intelligente Mechatronic Systems «
2. FP7-DEHEMS-"Digital Environment Home Energy Management Systems", 2008-2010,

Conferences

- The 8th WSEAS International Conference on System Science and Simulation in Engineering (ICOSSSE'09), University of Genova, Italy, october 2009;
- The 5th WSEAS International Conference on Dynamical Systems and Control (CONTROL'09), University of La Laguna, Tenerife, Spain July 1-3, 2009;
- The 13th WSEAS International Conference on Systems, , Rodos, Greece, July 22-25, 2009
- The 10th WSEAS International Conference on Fuzzy Systems, Praga, Mar 23-25, 2009,

Memberships

SRAIT member

References

ANNEXES

- copies of degrees and qualifications;
- testimonial of employment or work placement;
- publications or research.