

PERSONAL INFORMATION

Adina COCU

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Sex F | Nationality Romanian

WORK EXPERIENCE

- 2003 -present Lecturer at Department of Computer Science and Engineering, Faculty of Automatic Control, Computers, Electrical Engineering and Electronics, University "Dunarea de Jos" of Galati - Romania
- 1998 - 2003 Assistant professor at Department of Computer Science and Engineering, Faculty of Automatic Control, Computers, Electrical Engineering and Electronics, University "Dunarea de Jos" of Galati - Romania
- 1997-1998 Software Engineer at Overseas Distribution Company, Galati

EDUCATION AND
TRAINING

- 2009 **PhD in Computer Science**, Title: " Contributions to the knowledge representation techniques in intelligent educational systems", Domain: Artificial Intelligence, University "Dunarea de Jos" of Galati - Romania
- 1999 Mobility at the Department of software development, CS TELECOM, Paris, France, period July-August
- 1997 – 1998 Master in "Artificial intelligence systems and process management", Faculty of Electrical Engineering, University "Dunarea de Jos" of Galati - Romania
- 1992 - 1997 Bachelor's Degree in "Automation and Industrial Informatics" Faculty of Electrical Engineering, University "Dunarea de Jos" of Galati - Romania

RESEARCH

- Domains of interests** Artificial intelligence - knowledge representation and reasoning, Bayesian and possibilistic networks. Technology Enhanced Learning. User modelling. Computer-supported collaborative learning. Technical Creativity.
- Projects** Participation in 15 international and national research projects, three of which as local coordinator.
- Articles** Author and co-author in 13 articles published in ISI journals or ISI conferences proceedings, 21 papers published BDI indexed scientific events.
- Books** Six books' chapters in international publishers.
Six professional books in national publishers.

Scientific profile Google Scholar: https://scholar.google.com/citations?hl=en&user=_89BqF4AAAAJ
 ResearchGate: <https://www.researchgate.net/profile/Adina-Cocu>
 Web of Science: <https://publons.com/researcher/4478597/adina-cocu/>
 Orcid: <https://orcid.org/0000-0003-0935-4713>
 Hirsh Index according to Google: 3
 Hirsh Index according to Web of Science: 2

Rewards Diploma of Excellence at Ugal-Invent for the research "Informatics and Artificial Intelligence for innovation in education". Authors: E. Pecheanu, A. Cocu, I. Șuşnea, L. Dumitriu, C. Tudorie, M. Vlase, M. Crăciun, s.a.

TEACHING

Certifications Instructor - Digital Competence Certification - ECDL (European Computer Driving Licence)
 Instructor - IT-Essential - CISCO

Teaching courses BSc courses:
 – Object Oriented Programming,
 – Artificial Intelligence,
 – Mobile Applications,
 – Logical and Functional Programming
 MSc course:
 – Graphical User Interface

PERSONAL SKILLS

Mother tongue(s)	Romanian				
Other language(s)	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	B2	B2	B2	B2	B2
CEFR - Common European Framework of Reference for Languages.					
French	B2	B2	B2	B2	B2
CEFR - Common European Framework of Reference for Languages.					

Other skills Good organizational and collaboration skills gain in working in intercultural and multidiscipline teams to carry out various international projects.
 Good communication skills acquired in teaching activity and development of articles and presentations in research activity.
 Experience in developing and implementation of Learning Management Systems and Competence Management, utilizing interactive on-line courses and assessments based on multimedia features.

Driving license B

ANNEX

- Projects
1. **EntrNET - Develop National Networks of Adult Education Providers in the field of Entrepreneurship**, no. 621546-EPP-1-2020-1-EL-EPPKA3-IPI-SOC-IN, Erasmus+ Programme, Key Action3 - Support for policy reform / Social inclusion and common values: the contribution in the field of education and training, Funded UE -EACEAA, team member.
 2. **ProBM2 - Understanding and Developing Business Models in the Globalisation Era**, no. 2019-1-PL01-KA204-064951, Funded - Erasmus+ Programme of the European Union, KeyAction2 - Cooperation for innovation and the exchange of good practices - Strategic Partnerships, period January 2022- March 2022, local coordinator.
 3. **Digiter - Improving employability in the digital sector by strengthening the transversal skills of young people in search of socio-professional integration**, no. 2017-1-FR01-KA202-037291, Funded - Erasmus+ Programme of the European Union, KeyAction2 - Cooperation for innovation and the exchange of good practices - Strategic Partnerships, period 2019-2020, local coordinator.
 4. **EuPv - Training and certification model for photovoltaic trainers with the use of ECVET system**, no. 2016-1-PL01-KA202-026279, Funded - Erasmus+ Programme of the European Union, KeyAction2 - Cooperation for innovation and the exchange of good practices - Strategic Partnerships, period September 2016-August 2019, researcher.
 5. **CertiVet - Certified VET trainer in the construction sector**, no. 2014-1-PL01-KA202-003624/P2, Funded - Erasmus+ Programme of the European Union, KeyAction2 - Cooperation for innovation and the exchange of good practices - Strategic Partnerships, period September 2014-August 2016, researcher.
 6. **DaSpace - Open Innovation LAB**, no. DTP1-1-146-1.2, Transnational Dunarea Project, period 2018-2019, team member.
 7. **Explain - How to Tell What You Know Well**, no. 2014-1-IT01-KA200-002650, Funded - Erasmus+ Programme of the European Union, KeyAction2 - Cooperation for innovation and the exchange of good practices - Strategic Partnerships, period September 2014 - August 2017, researcher.
 8. **Tecrino - Teaching creativity in engineering**, no. 538710-LLP-1-2013-1-CY-LEONARDO-LMP-P3, Funded: Leonardo-da-Vinci, Lifelong Learning, period 2014-2016, researcher.
 9. Evaluation expert for Ministry of Digital Society assuring technical assistance in POS CCE projects monitoring, period 2014-2015.
 10. **iLab2- Innovation Laboratories for the quality assurance of vocational education and training**, no. 2012-1-PL1-LEO05-27430-P5 - iLAB2, funded: Leonardo-da-Vinci, Lifelong Learning, period January 2013-December 2014, local coordinator.
 11. **Pilot project on implementing of Foodex2 as part of the Standard Sample Description for the electronic transmission of harmonized chemical occurrence data to EFSA**, no. EFSA 15864/2012, Funded NP/EFSA/DCM/2012/01/6, period 2012-2014, researcher.
 12. **SkillsUp – Supporting system for non-formal and informal learning for low-skilled workers**, no. 2010-1-PL1-LEO05-11472, Funded: Leonardo-da-Vinci Lifelong Learning, period January 2010-December 2012, researcher.
 13. **TOPAR – Research to determine the toxicity of some pollutants in wastewater using the QSAR method**, no. 535-13.09.2006, Funded program Relansin/CEEX, period 2006-2007, researcher.
 14. **PRETOX - Prediction of the toxicological characteristics of organic pollutants**, no. 407-20.09.2004, Funded by the Romanian Ministry of Education and Research, program PNCDI/MENER (Environment, Energy, Resources), period 2004 – 2006, researcher.
 15. **Repetitive and automatic remote configuration of SC3002 network equipment**, Contract 250/1999-2000 with CSTELECOM France, period, 1999-2000, team member.

ANNEX

Publications
- selection

1. Susnea I., Pecheanu E. Sandu, C., & Cocu A., [**A Scalable Solution to Detect Behavior Changes of Elderly People Living Alone**](#). Applied Sciences, Volume 12, Issue 1, Article Number 235, DOI10.3390/app12010235, 235, **2022 - Journal Q2, FI=2.679.**
2. I. Susnea., Pecheanu E., & Cocu A., [**Agent-based modeling and simulation in the research of environmental sustainability**](#). A bibliography. Present Environment & Sustainable Development, Volume 15, Issue 1, DOI10.15551/pesd2021151015, pag. 191-210, **2021.**
3. Pecheanu E., **Cocu A.**, Susnea I., Dumitriu L., Stefanescu D., Istrate A., [**Building Instructional Methodologies for Teaching Transversal Skills to Future Engineers**](#) , IEEE Global Engineering Education Conf. EDUCON 2020, Proc. of the 2020 IEEE Global Engineering Education Conf.(EDUCON 2020), Portugalia, ^{Book Series:} IEEE Global Engineering Education Con., pp. 1290-1298, DOI: [**10.1109/EDUCON45650.2020.9125277**](#), Accession Number: WOS:000617739900193 , ISBN:978-1-7281-0930-5 , ISSN: 2165-9567, **2020**
4. Susnea I., Pecheanu E., **Cocu A.**, Vlase M., - [**Exploring the Romanian Students' Awareness and Attitudes Towards Globalization**](#) - Conference: Edu World 8th International Conference, Pitesti, ROMANIA, 2018, EDU WORLD 2018 - 8th International Conference Book Series: European Proceedings of Social and Behavioural Sciences Volume: 67 Pages: 929-935, DOI: 10.15405/epsbs.2019.08.03.112, WOS:000582461100112 , eISSN: 2357-1330 , **2019**
5. Susnea I., Pecheanu E., Dumitriu L., **Cocu A.** - [**Exploring the Value of Zimbardo Time Perspective Inventory as Predictor of Academic Outcomes**](#) 9th IEEE Global Engineering Education Conference (EDUCON), Santa Cruz, Spain, 2018 , Book Series: IEEE Global Engineering Education Conf. pp: 238-242, IEEE 2018 Accession Number: WOS:000434866100036 , ISBN:978-1-5386-2957-4 , ISSN: 2165-9567, **2018**
6. Susnea I., Pecheanu E., Dumitriu L., **Cocu A.**, - [**Exploring the Connection Between the Students' Creativity and Summary Writing Skills**](#) - 8th IEEE Global Engineering Education Conference (EDUCON), Athens, Greece, 2017 , Book Series: IEEE Global Engineering Education Conference pp: 347-350, IEEE 2017, Accession Number: WOS:000405192300056 , ISBN:978-1-5090-5467-1 , ISSN: 2165-9567, **2017.**
7. Susnea I., Pecheanu E., **Cocu A.**, Hudec G., - [**Improved Occupancy-Based Solutions for Energy Saving in Buildings**](#) - 5th International Symposium on Electrical and Electronics Engineering (ISEEE) Galati, ROMANIA, **Accession Number:** WOS:000428234400017 , **ISBN:**978-1-5386-2059-5 , **ISSN:** 2378-3907, **2017.**
8. **Cocu A.**, Pecheanu E., Susnea I. - [**Stimulating Creativity through Collaboration in an Innovation Laboratory**](#) 4th World Conf. on Educational Technology Researches (WCETR), Barcelona, Spain, 2014, Book Series: Procedia Social and Behavioral Sciences Vol 182 pp 173-178, ISSN 1877-0428 , Elsevier, WOS:000380397600026, **2015.**
9. Dumitriu L., Segal C., Craciun M.-V., **Cocu A.**, Pre-Processing Aspects for Complexity Reduction of the QSAR Problem, 4th International IEEE Conference Intelligent Systems, Varna, Bulgaria, ISBN: 978-1-4244-1740-7. pp.17-12-17-16, **2008.**
10. **Cocu A.**, Dumitriu L., Craciun M.V., Segal C., A Hybrid Approach for Data Preprocessing in the QSAR Problem, KES2008, 12th International Conference on Knowledge-Based and Intelligent Information & Engineering Systems, Zagreb, Croatia, Lecture Notes in Computer Science (LNCS-LNAI), vol. 5177, ISBN: 978-3-540-85562-0, pp. 565—572, **2008 - journal Q2**
11. Crăciun M.V., **Cocu A.**, Dumitriu L., Segal C., [**A Hybrid Feature Selection Algorithm for the QSAR problem**](#), Proceedings of the 6th International Conference on Computational Science (ICCS 2006), Reading, UK, Part I. Lecture Notes in Computer Science 3991 Springer, ISBN 3-540-34379-2, ISSN: 0302-9743, **2006 - journal Q4**
12. Dumitriu L., Segal c., Craciun M.V., **Cocu A.**, Georgescu L.P., [**Model discovery and validation for the QSAR problem using association rule mining**](#), in Proceedings of ICKM 2006, Prague, Czech Republic, Vol. 11, pp. 24-26, ISBN 975-00803-0-0, ISSN 1307-6884, 2006.
13. Dumitriu L., Craciun M.V., Segal c., **Cocu A.**, Georgescu L.P., [**Using Association Rule Mining for the QSAR Problem**](#), 3rd International IEEE Conference Intelligent Systems, Vols 1 and 2, University of Westminster, ISBN 978-1-4244-0195-6, Pages: 519-522, **2006.**

Books
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international
publishing
house

1. Chapter: Pecheanu E., Susnea I., Cocu A. - Design of course materials destined to support informal and non- formal learning through the use of e-learning technologies, Chapter: Pecheanu E., Cocu A. - Report on pilot application of educational packages, Chapter: Pecheanu E., Cocu A. - International report on qualification requirements, in **Book: Supporting system for nonformal and informal learning for low-skilled workers**, Kramek, Symela, Slawinska (Editors) , Publishing House of the Institute for Sustainable Technologies– National Research Institute ITEE-PIB , Poland, ISBN 978-837789-152-0, 2012.
2. Chapter: Pecheanu E., Cocu A., Susnea I., Dumitriu L., Building professional competence standards for vocational training, Chapter: Cocu A., Pecheanu E., Susnea I., Dumitriu L., On-line systems for competences evaluation – methods and digital technologies, in **Book: Training and certification model for photovoltaic trainers with the use of ECVET system**, Editors: Katarzyna Sławińska, Mirosław Żurek, ŁUKASIEWICZ Research Network – Institute for Sustainable Technologies , Monographic series: Library of Work Pedagogy, ISBN 978-83-7789-603-7, 2019.
3. Chapter: Cocu A., Pecheanu E., - Format and content of European standards of competence, Chapter: Pecheanu E., Sławińska K., Cocu A., Lawinski M., - A comparative analysis of professional competence standards for the VET trainer in Poland, France Romania, Chapter: Cocu A., Pecheanu E., - Evaluation methods for competences of VET trainer, in **Book: Certified VET trainers in construction sector**, Symela, Slawinska (Editors) Publishing House of the Institute for Sustainable Technologies– National Research Institute ITEE-PIB , Poland, ISBN 978-83-7789-439, 2016.
4. Chapter: Pecheanu E., Cocu A., Susnea I., Dumitriu L., - Budowanie standardów kompetencji zawodowych w ramach szkolenia zawodowego, Chapter: Cocu A, Pecheanu E., Susnea I., Dumitriu L., - Systemy internetowe służące do ewaluacji kompetencji – metody i technologie cyfrowe, in **Book: Model szkolenia i certyfikacji dla trenerów-szkoleniowców w obszarze fotowoltaiki z zastosowaniem wymagań ECVET**, Slawinska, Zurek (Editors), Publishing House of the Institute for Sustainable Technologies– National Research Institute ITEE-PIB , ISBN 978-83-7789-603-7, Poland, 2019.
5. Dumitriu L., Segal C., Crăciun M., Cocu A. On Association Rule Mining for the QSAR problem - in **Book: Encyclopedia of Data Warehousing and Mining**, 2nd edition, (4 Volumes), Editors: John Wang, Montclair State University, Publishing house: Information Science Reference, USA, pp. 83-86, ISBN: 978-1-60566-010-3, 2008.
6. Dumitriu L., Craciun M.V., Cocu A., Segal C., Pre-processing Techniques for the QSAR Problem, in **Book: New Trends in Multimedia and Network Information Systems**, Editors: Zgrzywa Aleksander, Choros Kazimierz, Sieminski Andrzej, Publishing house: IOS Press, pp. 107-114, ISBN 978-1-58603-904-2, 2008.

Books
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house

1. Miron M., Cocu A., Inteligență artificială - Rețele neuronale - Aplicații Python, Editura Fundației Universitare „Dunărea de Jos”, ISBN 978-973-627-648-4, 2021
2. Chapter: Susnea I., Pecheanu E., Cocu A., - Ghid pentru formatori, Book: Manual de creativitate tehnica, Susnea, Dumitriu (Editors), Publishing house: Europlus, ISBN: 978-606-628-145-4, 2015
3. Segal C., Dumitriu L., Craciun M., Cocu A., Munteanu D., Cercetări in vederea stabilirii gradului de toxicitate al unor poluanți din apele reziduale folosind metoda QSAR, Publishing House IPA SA, ISBN: 973-1704-13-2, 2008.
4. Dumitriu L., Crăciun M.V., Segal C., Cocu A., Georgescu L.P., Utilizarea tehnicilor de învățare automată în estimarea efectelor toxicologice, Editura Didactică și Pedagogică, ISBN 978-973-30-1729-5, 2007.
5. Cocu A., Dobos M., Introducere în sisteme de calcul, Editura Fundației Universitare Dunărea de Jos Galați, ISBN 973-627-079-3, 2003.
6. Novac C., Cocu A., Fundamente de inteligență artificială, Editura Fundației Universitare Dunărea de Jos Galați, ISBN 973-627-020-3, 2003