



Ana-Maria Țugulea

Data nașterii: 29/01/1985 | **Cetățenie:** română | **E-mail:**
ana.tugulea@comunicare.ro

EXPERIENȚA PROFESIONALĂ

01/09/2022 – ÎN CURS București, România

ASSISTANT LECTURER IN UNIVERSITY UNIVERSITY POLITEHNICA OF BUCHAREST

Teaching digital competencies formative classes to postgraduate students.

01/10/2022 – ÎN CURS București, România

ASSISTANT LECTURER IN UNIVERSITY SNSPA

Teaching Project Management classes in English and Romanian language to master students.

01/04/2022 – ÎN CURS București, România

ICT RESEARCH SPECIALIST NATIONAL UNIVERSITY OF POLITICAL SCIENCE AND PUBLIC ADMINISTRATION

Solving engineering problems in various cases, in several research projects

01/09/2018 – ÎN CURS București, România

COMPUTER SCIENCE ENGINEER UNIVERSITY POLITEHNICA OF BUCHAREST

- research assistant and engineer in projects using Virtual Reality technology

01/04/2017 – 01/09/2018 București, România

TECHNICAL ASSISTANT INFOWORLD

- internship program, AngularJS/NodeJS/TypeScript/CSS/HTML programmer

01/03/2008 – 01/03/2011 București, România

AREA SALES MANAGER SC AMBRA OPTIC SRL

1. developing sale strategies
2. market data analysis
3. coordinating regional sales teams
4. increasing company client portfolio
5. training new employees

01/03/2006 – 01/03/2008 București, România

GENERAL RETAIL MANAGER SC AMC SRL

1. maintenance of store sales target
2. relations with suppliers
3. motivating employees
4. solving conflicts
5. managing relations with clients



01/03/2011 – 01/09/2013 București, România
AREA SALES MANAGER SC MBA SRL

1. maintain and increase client portfolio
2. develop sales strategies
3. manage sales teams

● **EDUCAȚIE ȘI FORMARE PROFESIONALĂ**

01/10/2004 – 01/07/2008 București, România
GRADUATION DIPLOMA University of Bucharest, Faculty of Physics

Site de internet <https://www.fizica.unibuc.ro/Fizica/Contact/>

01/10/2013 – 01/07/2018 București, România
BACHELOR DEGREE IN COMPUTER SCIENCE AND INFORMATION TECHNOLOGY University POLITEHNICA of Bucharest, FILS

Site de internet <https://upb.ro/>

01/10/2018 – 01/07/2020 București, România
MASTER DEGREE IN COMMUNICATION AND PROJECT MANAGEMENT National University of Political Studies and Public Administration, FCRP

Site de internet <https://snspa.ro/en/>

01/09/2022 – ÎN CURS București, România
MASTER DEGREE IN TEACHING AND EDUCATIONAL SCIENCES POLITEHNICA University, Faculty of Entrepreneurship, Business Engineering and Management

Site de internet <https://upb.ro/>

01/10/2021 – ÎN CURS București, România
PHD IN COMMUNICATION SCIENCES Doctoral School of the National University of Political Studies and Public Administration

Site de internet <http://doctorat.snspa.ro/>

● **COMPETENȚE LINGVISTICE**

Limbă(i) maternă(e): **ROMÂNĂ**

Altă limbă (Alte limbi):

	COMPREHENSIUNE		VORBIT		SCRIS
	Comprehensiune orală	Citit	Exprimare scrisă	Conversație	
ENGLISH	C2	C2	C2	C2	C2
ITALIANĂ	C1	C2	C1	C1	C1
SPANIOLĂ	B2	B2	B2	B2	B2
FRANCEZĂ	B1	B1	B1	B1	B1

Niveluri: A1 și A2 Utilizator de bază B1 și B2 Utilizator independent C1 și C2 Utilizator experimentat



● INFORMAȚII SUPLIMENTARE

PUBLICAȚII

Intelligent System for Monitoring and Controlling the Energy Consumed – 2023

C. -G. Nicolăescu, F. M. Enescu, N. Bizon, A. -M. Țugulea and V. M. Ionescu, "Intelligent System for Monitoring and Controlling the Energy Consumed," *2023 15th International Conference on Electronics, Computers and Artificial Intelligence (ECAI)*, Bucharest, Romania, 2023, pp. 1-6, doi: 10.1109/ECAI58194.2023.10194055.

Abstract: In the paper, a fuzzy logic-based system has been proposed representing an innovative solution for monitoring and controlling the consumption of electrical energy in houses or workspaces. Fuzzy logic is differentiated from Boolean logic by the fact that it is based on the imprecise decisions of people, so the truth values of the variables can be any real number between 0 and 1, where zero is considered the smallest form of truth, and one represents the state with the highest degree of truth allowed. The use of fuzzy logic allows automatic identification of consumption needs and available resources, allowing automatic adjustment of electricity consumption. This solution represents a way to make energy processes more efficient in order to reduce the costs of energy bills and carbon emissions, by using green energy. The implementation of this solution can contribute to the development of smart and ecological homes, and the use of fuzzy logic can improve energy efficiency, lower costs and reduce energy losses.

doi: 10.1109/ECAI58194.2023.10194055.

Flying a Quadcopter—An Audio Entertainment and Training Game for the Visually Impaired – 2023

With the increase in the number of sensory substitution devices, the engineering community is confronted with a new challenge: ensuring user training in safe virtual environments before using these devices in real-life situations. We developed a game that uses an original sonification model, which, although not specific to a certain substitution device, can be an effective means of training for orientation in space based on audio stimuli. Thus, the game is not only a means of entertainment for visually impaired (VI) people but also one of training for the use of assistive devices. The game design and audio design are original contributions by the authors. The sonification model, which is crucial for a game dedicated to visually impaired people, is described in detail, both at the user and the implementation level. For better immersion, special sound design techniques have been used, such as ambisonic recordings and impulse response (IR) recordings. The game has been improved gradually, especially the sonification model, based on users' feedback.

Ivascu, Silviu & Moldoveanu, Florica & Moldoveanu, Alin & Morar, Anca & Tugulea, Ana-Maria & Victor, Asavei. (2023). Flying a Quadcopter—An Audio Entertainment and Training Game for the Visually Impaired. *Applied Sciences*. 13. 6769. 10.3390/app13116769.

Applied Sciences. 13. 6769. 10.3390/app13116769.

Link <https://www.mdpi.com/2076-3417/13/11/6769>

VIRTUAL REALITY GAME FOR TRAINING THE VISUALLY IMPAIRED IN SENSORY SUBSTITUTION – 2022

This paper presents a virtual reality application intended as a training tool for the visually impaired in sensory substitution. Although the proposed solution is dedicated to visually impaired people (VI), it can be used by sighted people as well. The application can be classified as an orientation and mobility (OM) game, where the players perceive the virtual environment only through audio and haptic stimuli. Since the visual representation of the environment was purposely eluded, special attention was paid to the sonification strategies and to the haptic feedback. Furthermore, to increase immersion by simulating real phenomena, advanced sound design has been incorporated. The game logic guides the user to navigate a labyrinth and collect several items, by using only sound and vibration. We performed a multi-modal evaluation, to assess both the opinion of users regarding sound orientation capability quality and intuitiveness, and their performance in accomplishing the game tasks. The test findings show that the users adapted with relative ease to the sonification models and therefore were able to solve straightforward the game problematic.

U.P.B. Sci. Bull., Series C, Vol. 84, Iss. 2, 2022

A QUANTITATIVE-QUALITATIVE ANALYSIS ON THE US-CHINA COMPETITION AFTER THE COLD WAR –

2022

A QUANTITATIVE-QUALITATIVE ANALYSIS ON THE US-CHINA COMPETITION AFTER THE COLD WAR. Ana-Maria Țugulea * National University of Political Science and Public Administration, Romania Mădălin Ciprian Enescu National University of Political Science and Public Administration, Romania Loredana Vladu National



University of Political Science and Public Administration, Romania This paper aims to present a quantitative and qualitative research on the factors which have contributed to China's ascension as world power, after the end of the Cold War and future perspectives regarding the US-China competition. The Economic Crisis of 2008, gave China the chance to become the second economic power in the world and a real competitor inside the post WW2 system envisioned by the US. The Chinese economic miracle is comparable with the rise of the Four Asian Tigers, using a model of development inspired by Singapore and reforms created by the Deng Xiaoping. The explanation for this economic rise is a mix of factors: demographic growth, competitive labour costs, substantial advances in education, research and technology and a fastgrowing economic rate with respect to Western economies. This fulminant economic rise enables China onto the verge of military power development, as it needs to expand its territory and envelop the East Asia region within its prominent strategic influence field. The Chinese expansion weilds considerable pressure on the other countries in the region of South China Sea and East China Sea, turning this region into a potential conflict area. Within this predicament, US is trying to protect its traditional allies by diplomatic means, trying new alliances and enforcing the old ones The next 10 or 20 years promiss to show which of the following scenarios become reality: a Cold War between US and China, a new pax americana order in Asia or a new hegemonic order of China in Asia radiating its influence trough the world. One of the key conditions and strategies for success is the existence of high quality political, military, academic and business management leadership. In this sense, the US and China have two very different paradigms for creating or identifying and training their leaders. Keywords: leadership paradigm, pax americana , china\'s development, political leadership, tucidide\'s trap

https://www.isres.org/conferences/2022_Baku/ICRESS_Abstract.pdf?v=42

Link https://www.isres.org/conferences/2022_Baku/ICRESS_Abstract.pdf?v=42

REȚELE ȘI AFILIERI

01/10/2022 – ÎN CURS Bucharest

Member of the Center for EU Communication Studies <https://eucommunication.ro/>

The research Center for EU communication studies is dedicated to creating academic clusters of research on public communications in European context.

PROIECTE

10/09/2020 – 01/06/2022

Platforma integrativa pentru solutii de ingrijire la domiciliu - 42-PTE Funcția de Asistent de Cercetare în Automatică.

01/10/2022 – ÎN CURS

Proiect TRAVEE - Virtual Therapist with Augmented Feedback for Neuromotor Recovery -2022 Funcția ocupată - Asistent de cercetare în automată

01/05/2021 – 31/12/2022

Proiect CNFIS-FDI-2022-0178 - Titlul: „Excelență în cercetarea științifică. Dezvoltarea infrastructurii de cercetare interdisciplinară din SNSPA” Expert cercetare 2 - Asistent de cercetare în sociologie

01/09/2023 – ÎN CURS

Valorificarea rezultatelor cercetării și creșterea impactului publicațiilor științifice din SNSPA (VALORIS), finanțat de CNCFIS (cod proiect CNFIS-FDI-2023-F-0183) Asistent de cercetare in domeniul științelor educației.

Editor tehnic al revistei [Romanian Journal of Communication and Public Relations](#)

01/09/2023 – 01/12/2023

Proiectul - Sipoca 754 - Strategia pentru managementul comunicării guvernamentale a României - Asociația Eurocomunicare. SIPOCA 754 - Susținerea de cursuri specializate pentru dezvoltarea competențelor comunicaționale în cadrul Strategiei pentru Managementul Comunicării Guvernamentale a României.

CONFERINȚE ȘI SEMINARE

27/06/2022 – 30/06/2022 – București

COMUNICARE STRATEGICĂ, GUVERNANȚĂ ȘI SECURITATE ÎN UNIUNEA EUROPEANĂ, Școala de vară, Ediția a II-a, București Școala de vară ANIMV

Dezvoltarea competențelor de lucru în echipă și de proiectare a scenariilor de securitate

Dezvoltarea competențelor de planificare și organizare a comunicării în situații de criză



11/07/2022 – 14/07/2022 – Cluj Napoca, Universitatea Babeş Bolyai, Romania

Second Edition of the Summer School European Youth Today, Europe's Leaders of Tomorrow Scoala de vară

Cursuri de securitate, comunicare strategica, leadership, studiul migrației.

19/09/2022 – 23/09/2022 – București

Strategic Communication in the Context of Security and Defence Curs de Securitate desfășurat în cadrul misiunii European Security and Defence College.

03/07/2023 – 07/07/2023 – București

Doctoral School Summer University Cursuri de securitate (universitatea de vară) organizate de European Security and Defence College, în cadrul ANIMV.

26/06/2023 – 30/06/2023 – București

COMUNICARE STRATEGICĂ, GUVERNANȚĂ ȘI SECURITATE ÎN UNIUNEA EUROPEANĂ, Scoala de vara EUSEGOV ANIMV, Ediția a III-a, București Scoala de vară ANIMV JMM EUSEGOV

Dezvoltarea competențelor de lucru în echipă și de proiectare a scenariilor de securitate

Dezvoltarea competențelor de planificare și organizare a comunicării în situații de criză

30/10/2023 – 03/11/2023 – București

ADVANCED RESEARCH INTO HYBRID THREATS TRENDS - ESDC-ANIMV The European Doctoral School on CSDP, under the aegis of the European Security and Defence College, in partnership with 'Mihai Viteazul' National Intelligence Academy, has the honour to organise and to invite participants to the course entitled Advanced Research into Hybrid Threats Trends. The course will take place from 30 October to the 3 November 2023, in residential format, at 'Mihai Viteazul' National Intelligence Academy, in Bucharest, Romania.

26/10/2023 – 26/10/2023 – București

Workshop - Impactul schimbărilor climatice asupra securității naționale (II) Participare și prezentare în cadrul Centrului de Studii Strategice de Apărare și Securitate din cadrul Universității Naționale de Apărare „Carol I”

15/11/2023 – 17/11/2023 – Viena, Austria

2023 CIVICA Doctoral Conference Conferința doctorală din cadrul Universității Central Europene (CEU-Vienna) 2023.