

Curriculum Vitae

Personal information

First name(s) / Surname(s) **Constantinescu Claudia Alana**
 Telephone(s) 0741649245
 E-mail Claudia.Constantinescu@ethm.utcluj.ro
 Nationality Romanian
 Date of birth 28.01.1985

Work experience

Dates	2018-present
Name and address of employer	Technical University of Cluj-Napoca, Faculty of Electrical Engineering, Department of Electrotechnics and Measurements, Cluj-Napoca, 26-28 G. Barițiu Street
Occupation or position held	Lecturer
Main activities and responsibilities	Teaching and Research Activities
Dates	2012-2018
Name and address of employer	Technical University of Cluj-Napoca, Faculty of Electrical Engineering, Department of Electrotechnics and Measurements, Cluj-Napoca, 26-28 G. Barițiu Street
Occupation or position held	Assistant
Main activities and responsibilities	Teaching and Research Activities
Dates	2009-2012
Name and address of employer	Technical University of Cluj-Napoca, Faculty of Electrical Engineering, Department of Electrotechnics and Measurements, Cluj-Napoca, 26-28 G. Barițiu Street
Occupation or position held	PhD student
Main activities and responsibilities	Teaching and Research Activities

Education and training

Dates	2009-2012
Title of qualification awarded	PhD in Electrical Engineering
Principal subjects/occupational skills	applied mathematics, electromagnetism, numerical modeling, and software engineering for optimization and control
Name and type of organization providing education and training	Technical University of Cluj-Napoca, Faculty of Electrical Engineering, Department of Electrotechnics and Measurements, Cluj-Napoca, 26-28 G. Barițiu Street
Dates	2009-2010
Title of qualification awarded	Diploma of Advanced Studies
Principal subjects/occupational skills	Mathematical Complements in Electrical Engineering, Programming Environments, Numerical Modeling of Electromagnetic Fields, Electromagnetic Compatibility, Inverse Problems of Electromagnetic Fields, Computer-Aided Design of Electrical and Electronic Circuits, Multimedia Technologies

Name and type of organization providing education and training Technical University of Cluj-Napoca, Faculty of Electrical Engineering, Department of Electrotechnics and Measurements, Cluj-Napoca, 26-28 G. Barițiu Street

Dates 2004-2009

Title of qualification awarded Engineer

Principal subjects/occupational skills Basics of Electrical Engineering, Mechanics, Electronics, Electrical Measurements, Electrical Machines, Sensors and Transducers, Electrical Installations

Name and type of organization providing education and training Technical University of Cluj-Napoca, Faculty of Electrical Engineering, Department of Electrotechnics and Measurements, Cluj-Napoca, 26-28 G. Barițiu Street

Personal skills and competences

Mother tongue(s) Romanian

Other language(s)

Self-assessment

European level ()*

English

German

Understanding		Speaking		Writing
Listening	Reading	Spoken interaction	Spoken production	
B2	B2	B2	B2	B2
B1	B2	B1	B1	B1

Didactic activity

Teaching Courses Electrotechnics/ Advanced Issues in Electrical Engineering/ Design of High-Frequency Electrical and Electronic Devices

Training Mobility 20-21.11.2018 Course CST Studio Suite EMC/EMI Training – Certificate of Participation, Romanian Partner CAELYNX Europe. Craiova. Romania

Research

National Grants (max 5 the most representative) 1. Project Leader/Director of the research project "Digitalization of the Design Process for RFID Multi-Frequency Antennas and Evaluation of Human Exposure to the Radiation Emitted by Them," Project No. 31/08.04.2024, 20 months, AOSR
2. Project Leader/Director of the research project "Development and Optimization of MIMO Antennas and Evaluation of Human Exposure to the Radiation Emitted by Them," ARUT 18/01.07.2024, 12 months.
3.Member of the research team on the Contract with SC CEPROM SA Satu-Mare nr. 86/2017, Research works – Electromagnetic Compatibility Tests (EMC), 2017-2018
4. Member of the research team of the research project PN-II-RU-TE-2014-4-0199, Nr. 183/1.10.2015, Optimal Design of Multilayer Spiral Inductors for development of High Frequency Wireless Power Transfer Systems used in Electrical and Biomedical Applications, 2015-2017
5. Member of the research team of the research project “Innovative technologies for advanced recovery of waste materials from it and telecommunication equipment”, PN-III-P1-1.2-PCCDI-2017-0652

Scientific publications 5 books, 115 articles

Additional information

Membership of Professional Societies AGIR, ACER; IEEE Member; NUMELEC Research Center

Other relevant activities Reviewer for ISI Journals: Drones, Electronics, Computers, Photonics, Aerospace, Future Internet, Inventions, Sensors, Energies, Applied Sciences, Machines and International Conferences: MPS, OPTIM-ACEMP, ICEMS-BIOMED

**Significant books published
in the last 10 years (max 10)**

1. Hebedean Claudia, Grindei Laura, "Baze de date în Inginerie Electrică", Ed. UTPRESS, 2014, Cluj Napoca, ISBN 978-973-662-974-7, 184 pages
2. Constantinescu Claudia, Munteanu Călin, Răcășan Adina, Studiul filtrelor EMI realizate în tehnologie electromagnetică planară. De la celula LC la structura optimizată a unui filtru, Ed. UTPRESS, 2015, Cluj Napoca, ISBN 978-606-737-095-9, 221 pages
3. Giurgiuman Adina N., Munteanu C., Țopa V., Păcurar Claudia, Constantinescu Claudia, Modelarea numerică a câmpului electromagnetic. Îndrumător de laborator – Volumul 2, Ed. U.T.Press, Cluj-Napoca, România, ISBN 978-606-737-195-6, 278 pages, 2021
4. Răcășan Adina N., Munteanu C., Țopa V., Păcurar Claudia, Constantinescu Claudia, Modelarea numerică a câmpului electromagnetic. Îndrumător de laborator – Volumul 1, Ed. UTPRESS, Cluj-Napoca, România, ISBN 978-606-737-195-6, 228 pages, 2016
5. Laura Grindei, Claudia Constantinescu, Marius Purcar, Aplicații C/C++/C# și Arduino în Inginerie Electrică UTPress, On Line 2020, ISBN 978-606-737-435-3, 209 pages.

**Significant papers published
in the last 10 years (max 10)**

1. Constantinescu C., Pacurar C., Giurgiuman Adina, Munteanu C., Andreica S., Gliga R., The Influence of Electromagnetic Waves Emitted by PIFA Antennas on the Human Head. 7th International Conference on Advancements of Medicine and Health Care through Technology. MEDITECH 2020. IFMBE Proceedings, vol 88. Springer, Book Chapter, pp. 77-91, ISSN 1680-0737, 1 January 2022.
2. Claudia Pacurar, V. Topa, C. Munteanu, Adina Racasan, Claudia Hebedean, "Studies of Inductance Variation for Square Spiral Inductor using CIBSOC Software", Environmental and Engineering Management Journal, Vol. 12, No.6 pp.1161-1169, June 2013, ISSN 1582-9596.
3. Adina Racasan, C. Munteanu, V. Topa, Claudia Pacurar, Claudia Hebedean, Analysis and Improvement Techniques for the Transfer Function of a Planar Low-Pass Filter, Environmental Engineering and Management Journal, vol. 15, no. 12, pp. 2579-2586, ISSN 1582-9596, WOS:000393476600004 December 2016.
4. Hebedean Claudia, Munteanu C., Răcășan Adina, Păcurar Claudia, Application of Windings Shifting for the Optimization of Planar Structures, Environmental Engineering and Management Journal, vol. 12, pp. 1153-1159, ISSN 1582-9596, WOS:000325632500007, F.I. =1.258, June 2013.
5. Constantinescu Claudia, Pacurar Claudia, Giurgiuman Adina, Munteanu Calin, Influence of the Conventional and Planar Yagi Uda Antenna on Human Tissues, International Conference on Advancements of Medicine and Health Care through Technology MEDITECH 2022, IFMBE Proceedings, vol. 102, Springer, Book Chapter, pp. 87-98, https://doi.org/10.1007/978-3-031-51120-2_10, ISBN 978-3-031-51119-6, 09 January 2024.
6. Constantinescu Claudia, Pacurar Claudia, Giurgiuman Adina, Munteanu C., Andreica S., Gliga M., High Gain Improved Planar Yagi Uda Antenna for 2.4 GHz Applications and Its Influence on Human Tissues. Applied Sciences-Basel, vol. 13, no. 11, 6678, ISSN: 2076-3417, DOI10.3390/app13116678, WOS:001005579400001, IF: 2.7, May 2023.
7. Hebedean Claudia, Munteanu C., Răcășan Adina, Păcurar Claudia, Parasitic Capacitance Removal with Embedded Ground Layer, IEEE EuroCon 2013, Zagreb, Croatia, pp. 1863-1868, ISBN 978-1-4673-2232-4, WOS:000343135600275, 1-4 July 2013.
8. Constantinescu C., Madas L.M., Grindei L., Racasan Adina, Implementation of an App for Android Mobile Devices Designed for Electromagnetic Field Problems Solving, 2019 8th International Conference on Modern Power Systems, MPS 2019, Cluj-Napoca, Romania, ISBN: 978-1-7281-0750-9, DOI: 10.1109/MPS.2019.8759688, WOS: 000612401900018, 2019.
9. Constantinescu, C.; Pacurar, C.; Giurgiuman, A.; Munteanu, C.; Andreica, S.; Gliga, M. High Gain Improved Planar Yagi Uda Antenna for 2.4 GHz Applications and Its Influence on Human Tissues. Appl. Sci. 2023, 13, 6678. <https://doi.org/10.3390/app13116678>
10. Constantinescu, C.; Andreica, S.; Laszlo, R.; Giurgiuman, A.; Gliga, M.; Munteanu, C.; Pacurar, C. Numerical Modeling, Analysis, and Optimization of RFID Tags Functioning at Low Frequencies. Appl. Sci. 2024, 14, 9544. <https://doi.org/10.3390/app14209544>

Cluj-Napoca,
Date: September 2024

Name and signature:
Constantinescu Claudia Alana