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Ana Catarina Cruz



Research Interests

Antenna designer, Radiation and propagation of electromagnetic waves

Academic Qualifications

University/Institution	Type	Degree	Period
Instituto Superior Técnico	PhD	Engenharia Electrotécnica e de Computadores	2018
ISCTE-IUL	M.Sc.	Engenharia de Telecomunicações e Informática	2011
ISCTE-IUL	Licenciate	Engenharia de Telecomunicações e Informática	2009

Teaching Activities

Teaching Year	Sem.	Course Name	Degree(s)	Coord.

2021/2022	2º	Operating Systems	Bachelor Degree in Computer Engineering (PL); Bachelor Degree in Computer Science and Business Management;	No
2021/2022	1º	Network Architectures	Bachelor Degree in Computer Science and Business Management (PL); Bachelor Degree in Computer Engineering (PL); Bachelor Degree in Computer Engineering; Bachelor Degree in Computer Science and Business Management; Bachelor Degree in Telecommunications and Computer Engineering;	No
2020/2021	1º	Operating Systems		No
2019/2020	2º	Digital Networks III - Security, Multimedia and Management		No
2019/2020	2º	Digital Networks I - Fundamentals		No
2019/2020	1º	Operating Systems	Bachelor Degree in Computer Science and Business Management (PL); Bachelor Degree in Computer Engineering; Bachelor Degree in Computer Science and Business Management; Bachelor Degree in Telecommunications and Computer Engineering;	No
2018/2019	2º	Digital Networks III - Security, Multimedia and Management		No
2018/2019	1º	Operating Systems	Bachelor Degree in Computer Science and Business Management (PL); Bachelor Degree in Computer Engineering; Bachelor Degree in Telecommunications and Computer Engineering;	No
2017/2018	2º	Digital Networks III - Security, Multimedia and Management		No
2017/2018	2º	Digital Networks III - Security, Multimedia and Management		No
2017/2018	2º	Software Engineering II		No
2017/2018	1º	Operating Systems	Bachelor Degree in Computer Engineering; Bachelor Degree in Computer Science and Business Management; Bachelor Degree in Telecommunications and Computer Engineering;	No
2016/2017	2º	Digital Networks III - Security, Multimedia and Management		No
2016/2017	2º	Software Engineering II		No
2016/2017	1º	Operating Systems	Bachelor Degree in Computer Engineering; Bachelor Degree in Telecommunications and Computer Engineering;	No

Total Citations

Web of Science®	130
Scopus	139

Publications

• Scientific Journals

- Scientific journal paper

1	Cruz, C. C., Fernandes, C. A., Matos, S. A. & Costa, J. R. (2018). Synthesis of shaped-beam radiation patterns at millimeter-waves using transmit arrays. IEEE Transactions on Antennas and Propagation, 66(8), 4017?4024. https://doi.org/10.1109/TAP.2018.2836383 - Times Cited Web of Science®: 26 - Times Cited Scopus: 29 - Times Cited Google Scholar: 40
2	Cruz, C. C., Costa, J. R., Fernandes, C. A. & Matos, S. (2017). Focal-plane multibeam dual-band dielectric lens for ka-band. IEEE Antennas and Wireless Propagation Letters, 16, 432?436. https://doi.org/10.1109/LAWP.2016.2582263 - Times Cited Web of Science®: 12 - Times Cited Scopus: 12 - Times Cited Google Scholar: 13
3	Zaric, A., Cruz, C. C., Matos, A. M., Silva, M. R., Costa, J. R. & Fernandes, C. A. (2015). RFID-based smart blood stock system. IEEE Antennas and Propagation Magazine, 57(2), 54?65. https://doi.org/10.1109/MAP.2015.2420491 - Times Cited Web of Science®: 16 - Times Cited Scopus: 15 - Times Cited Google Scholar: 21
4	Cruz, C. C., Costa, J. R. & C. A. Fernandes (2013). Hybrid UHF/UWB antenna for passive indoor identification and localization systems. IEEE Transactions on Antennas and Propagation, 61(1), 354?361. https://doi.org/10.1109/TAP.2012.2220112 - Times Cited Web of Science®: 74 - Times Cited Scopus: 76 - Times Cited Google Scholar: 87

• Conferences/Workshops and Talks

- Publication in conference proceedings

1	Cruz, C. C., Fernandes, C. A., Matos, S. A. & Costa, J. R. (2018). Phase-only shaped beam transmit-array. 2018 IEEE International Symposium on Antennas and Propagation and USNC-URSI Radio Science Meeting. IEEE. https://doi.org/10.1109/apusncursinrsm.2018.8608395 - Times Cited Web of Science®: 1 - Times Cited Scopus: 1 - Times Cited Google Scholar: 1

2	Zaric, A., Cruz, C. C., Fernandes, C. A. & Costa, J. R. (2012). Feasibility study of suitcase identification and imaging using a UWB tag. In Tedjini, S. (Ed.), 2012 IEEE International Conference on RFID-Technologies and Applications (RFID-TA) (pp. 335?338). IEEE. https://doi.org/10.1109/RFID-TA.2012.6404541 - Times Cited Web of Science®: 1 - Times Cited Scopus: 2 - Times Cited Google Scholar: 2
3	Cruz, C. C., Costa, J. R. & Fernandes, C. A. (2012). Design of a passive tag for indoor localization. In Mazanek, M. (Ed.), 2012 6th European Conference on Antennas and Propagation (EUCAP) (pp. 2495?2499). IEEE. https://doi.org/10.1109/EuCAP.2012.6205975 - Times Cited Scopus: 4 - Times Cited Google Scholar: 5

- Talk

1	Cruz, Catarina C., C. A. Fernandes, Matos, S. & Costa, J. R. (2018). Phase-only shaped beam transmit-array. 2018 IEEE International Symposium on Antennas and Propagation and USNC-URSI Radio Science Meeting,.
2	Cruz, Catarina C., Matos, S., Lima, E. B., Costa, J. R. & Fernandes, C. A. (2014). Focal-plane multi-beam dual-band dielectric lens for Ka-band. IEEE International Symposium on Antennas and Propagation and USNC-URSI Radio Science Meeting,.