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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	Licenciante	Engenharia de Telecomunicações e Informática	2009

Teaching Activities

Teaching Year	Sem.	Course Name	Degree(s)	Coord
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2021/2022	2°	Operating Systems	Bachelor Degree in Computer Science and Business Management (PL); Bachelor Degree in Computer Engineering (PL); Bachelor Degree in Computer Engineering; Bachelor Degree in Telecommunications and Computer Engineering (PL); Bachelor Degree in Computer Science and Business Management; Bachelor Degree in Telecommunications and Computer Engineering;	No
2021/2022	1°	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	1°	Operating Systems	Bachelor Degree in Computer Science and Business Management (PL); Bachelor Degree in Computer Engineering (PL); Bachelor Degree in Computer Engineering; Bachelor Degree in Telecommunications and Computer Engineering (PL); Bachelor Degree in Computer Science and Business Management; Bachelor Degree in Telecommunications and Computer Engineering;	No
2019/2020	2°	Digital Networks III - Security, Multimedia and Management	Bachelor Degree in Telecommunications and Computer Engineering (PL);	No
2019/2020	2°	Digital Networks I - Fundamentals	Bachelor Degree in Telecommunications and Computer Engineering (PL);	No
2019/2020	1°	Operating Systems	Bachelor Degree in Computer Science and Business Management (PL); Bachelor Degree in Computer Engineering (PL); Bachelor Degree in Computer Engineering; Bachelor Degree in Telecommunications and Computer Engineering (PL); Bachelor Degree in Computer Science and Business Management; Bachelor Degree in Telecommunications and Computer Engineering;	No
2018/2019	2°	Digital Networks III - Security, Multimedia and Management	Bachelor Degree in Telecommunications and Computer Engineering (PL);	No
2018/2019	1°	Operating Systems	Bachelor Degree in Computer Science and Business Management (PL); Bachelor Degree in Computer Engineering (PL); Bachelor Degree in Computer Engineering; Bachelor Degree in Telecommunications and Computer Engineering (PL); Bachelor Degree in Computer Science and Business Management; Bachelor Degree in Telecommunications and Computer Engineering;	No
2017/2018	2°	Digital Networks III - Security, Multimedia and Management	Bachelor Degree in Telecommunications and Computer Engineering (PL);	No
2017/2018	2°	Digital Networks III - Security, Multimedia and Management	Bachelor Degree in Telecommunications and Computer Engineering (PL);	No

2017/2018	2°	Software Engineering II		No
2017/2018	1°	Operating Systems	Bachelor Degree in Computer Science and Business Management (PL); Bachelor Degree in Computer Engineering (PL); Bachelor Degree in Computer Engineering; Bachelor Degree in Telecommunications and Computer Engineering (PL); Bachelor Degree in Computer Science and Business Management; Bachelor Degree in Telecommunications and Computer Engineering;	No
2016/2017	2°	Digital Networks III - Security, Multimedia and Management	Bachelor Degree in Telecommunications and Computer Engineering (PL);	No
2016/2017	2°	Software Engineering II		No
2016/2017	1°	Operating Systems	Bachelor Degree in Computer Science and Business Management (PL); Bachelor Degree in Computer Engineering (PL); Bachelor Degree in Computer Engineering; Bachelor Degree in Telecommunications and Computer Engineering (PL); Bachelor Degree in Computer Science and Business Management; Bachelor Degree in Telecommunications and Computer Engineering;	No

Total Citations

Web of Science®	107
Scopus	123

Publications

• Scientific Journals

- Scientific journal paper

1	<p>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</p> <ul style="list-style-type: none"> - Times Cited Web of Science®: 19 - Times Cited Scopus: 23 - Times Cited Google Scholar: 34
2	<p>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</p> <ul style="list-style-type: none"> - Times Cited Web of Science®: 10 - Times Cited Scopus: 10 - Times Cited Google Scholar: 12

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 - Times Cited Web of Science®: 14 - Times Cited Scopus: 13 - Times Cited Google Scholar: 17
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 - Times Cited Web of Science®: 62 - Times Cited Scopus: 70 - Times Cited Google Scholar: 81

• 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. In 2018 IEEE International Symposium on Antennas and Propagation and USNC-URSI Radio Science Meeting. Boston: IEEE. - Times Cited Web of Science®: 1 - Times Cited Scopus: 1 - Times Cited Google Scholar: 1
2	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). Prague: IEEE. - Times Cited Scopus: 4 - Times Cited Google Scholar: 4
3	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). Nice: IEEE. - Times Cited Web of Science®: 1 - Times Cited Scopus: 2 - Times Cited Google Scholar: 1

- 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.