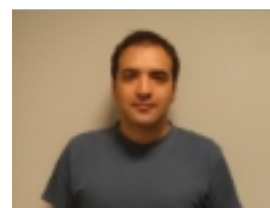


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Bruno Rafael Pinheiro



Academic Qualifications

University/Institution	Type	Degree	Period
ISCTE - Instituto Universitário de Lisboa	M.Sc.	Engenharia de Telecomunicações e Informática	2015
ISCTE - Instituto Universitário de Lisboa	Licenciante	Engenharia de Telecomunicações e Informática	2013

Total Citations

Web of Science®	14
Scopus	14

Publications

- **Scientific Journals**

- **Scientific journal paper**

1	Pinheiro, B. R. P., Rebola, J. L. & Cartaxo, A. V. T. (2021). Analysis of inter-core crosstalk in weakly-coupled multi-core fiber coherent systems. <i>Journal of Lightwave Technology</i> . 39 (1), 42-54
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- Times Cited Web of Science®: 13
 - Times Cited Scopus: 11
 - Times Cited Google Scholar: 20

• Books and Book Chapters

- Book chapter

1	Pinheiro, B. R., Rebola, J. L. & Cartaxo, A. V. T. (2018). Estimation of the OSNR penalty due to in-band crosstalk on the performance of virtual carrier-assisted metropolitan OFDM systems. In Optics, Photonics and Laser Technology. (pp. 47-66). Cham: Springer.
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• Conferences/Workshops and Talks

- Publication in conference proceedings

1	Pinheiro, B. R. P., Rebola, J. L. & Cartaxo, A. V. T. (2018). Impact of inter-core crosstalk on the performance of multi-core fibers-based SDM systems with coherent detection. In 6th International Conference on Photonics, Optics and Laser Technology, PHOTOPTICS 2018. (pp. 74-81). Funchal: SciTePress. - Times Cited Scopus: 2 - Times Cited Google Scholar: 3
2	Pinheiro, B. R. P., Rebola, J. L. & Cartaxo, A. V. T. (2018). Inter-core crosstalk dependence on design parameters in coherent detection weakly-coupled multicore fiber systems. In 20th International Conference on Transparent Optical Networks, ICTON 2018. Bucharest: IEEE. - Times Cited Google Scholar: 1
3	Pinheiro, B. R., Rebola, J. L. & Cartaxo, A. V. T. (2016). Tolerance to in-band crosstalk of virtual carrier-assisted direct detection multi-band OFDM system. In Ribeiro, P. A., e Raposo, M. (Ed.), Proceedings of the 4th International Conference on Photonics, Optics and Laser Technology - PHOTOPTICS. (pp. 33-39). Roma: SciTePress.

- Talk

1	Pinheiro, B., Rebola, J. & Cartaxo, A. (2018). Inter-core Crosstalk Dependence on Design Parameters in Coherent Detection Weakly-Coupled Multicore Fiber Systems . ICTON 2018 - 20th International Conference on Transparent Optical Networks. - Times Cited Web of Science®: 1 - Times Cited Scopus: 1
2	Pinheiro, B., Rebola, J. & Cartaxo, A. (2018). Impact of Inter-Core Crosstalk on the Performance of Multi-core Fibers-based SDM Systems with Coherent Detection. INSTICC International Conf. on Photonics, Optics and Laser Technology - PHOTOPTICS.
3	Pinheiro, B., Rebola, J. & Cartaxo, A. (2016). Tolerance to In-Band Crosstalk of Virtual Carrier-Assisted Direct Detection Multi-Band OFDM Systems. INSTICC International Conf. on Photonics, Optics and Laser Technology - PHOTOPTICS.