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BIOGRAPHICAL SKETCH

André L. F. de Almeida received the B.Sc. and M.Sc. degrees in electrical engineering from the Federal University of Ceará, Brazil, in 2001 and 2003, respectively, and the double Ph.D. degree in Sciences and Teleinformatics Engineering from the University of Nice, Sophia Antipolis, France, and the Federal University of Ceará, Fortaleza, Brazil, in 2007. He is currently an Assistant Professor with the Department of Teleinformatics Engineering of the Federal University of Ceará. During fall 2002, he was a visiting researcher at Ericsson Research Labs, Stockholm, Sweden. From 2007 to 2008, he held a one year research position at the I3S Laboratory, CNRS, France. In 2008, he was awarded a CAPES/COFECUB research fellowship with the I3S Laboratory, CNRS, France. In 2010, he was appointed a productivity research fellow from CNPq (the Brazilian National Council for Scientific and Technological Development). In the spring 2012, he was a visiting professor at the University of Nice Sophia-Antipolis, France. He has over 40 refereed journal articles published and accepted, 90 conference papers and 5 book chapters.

He is an Associate Member of the IEEE Sensor Array and Multichannel Technical Committee (SAM-TC) and is the general co-chair of IEEE CAMSAP 2017. He has been involved in the organization and chairing of special sessions in recent SAM-TC workshops (CAMSAP 2013, SAM 2014, CAMSAP 2015). He is an IEEE Senior Member and serves as an Associate Editor of the IEEE Transactions on Signal Processing. His research interests are currently focused on tensor-based signal processing, with applications to sensor array processing, communication systems, and big data analysis.

HIGHER EDUCATION

- Ph.D, Sciences, University of Nice Sophia Antipolis, Nice, France, 2007
- M.Sc., Teleinformatics Engineering, Federal University of Ceará, Fortaleza, Brazil, 2003
- B.Sc., Electrical Engineering, Federal University of Ceará, Fortaleza, Brazil, 2001

PROFESSIONAL EXPERIENCE

- Visiting Professor, University of Nice Sophia Antipolis, France (2012, 2013 and 2015)
- Assistant Professor, Teleinformatics Engineering, Federal University of Ceará, Brazil (2010- present)
- Post-doctoral Research Associate, I3S Laboratory, CNRS, France (2008)
- Assistant Professor, Electronics, Polytechnic School of Nice Sophia Antipolis (2007 -2008)
- Ph.D, Sciences, University of Nice Sophia Antipolis, Nice, France (2003- 2007)
- Visiting researcher at Ericsson Research Labs, Stockholm, Sweden (2002)

SERVICE

- General co-chair of IEEE CAMSAP 2017, Curacao, Dutch Antilles, December 2017
- Co-organizer of the special session "Tensor-based methods for multi-sensor signal processing" at the IEEE CAMSAP 2013
- Co-organizer of the special session "Tensor-based signal processing" at the IEEE SAM 2014
- Co-organizer of the special session "Tensor-based signal processing" at the IEEE CAMSAP 2015
- Co-organizer of the special session "Massive MIMO systems" at the IEEE CAMSAP 2015
- TPC member of recent SAM-TC workshops: CAMSAP 2013, SAM 2014, CAMSAP 2015, and SAM2016
- Reviewer of several papers for recent IEEE SPS conferences (CAMSAP 2013, ICASSP 2014, SAM 2014, ICASSP 2015, CAMSAP 2015, ICASSP 2016)
- Associate Member of IEEE Sensor Array and Multichannel Technical Committee (SAM-TC)
- Associate Editor of IEEE Transactions on Signal Processing (2012- present)
- Lead Guest Editor of EURASIP Journal on Advances in Signal Processing (2013-2014)
- Associate Editor of Circuits, Systems & Signal Processing (2012- present)
- TPC member of European Signal Processing Conference (EUSIPCO) (2009 , 2010 and 2011)
- Productivity Researcher of the CNPq (the Brazilian National Council for Scientific and Technological Development, Ministry of Science and Technology) (2011-present)
- Ad-hoc consultant for CAPES and CNPq Brazilian public funding agencies (2011-present)

SCIENTIFIC PRODUCTION

- 40 journal articles published and accepted
- 90 conference papers
- 5 book chapters
- 1 patent

LIST OF PUBLICATIONS

[41] CAVALCANTE, I. V., de ALMEIDA, A. L. F, HAARDT, M. ; Joint Channel Estimation for Three-Hop MIMO Relaying Systems, *IEEE Signal Processing Letters*, to appear, 2015.

[40] HUANG, L. de ALMEIDA, A. L. F., SO, H. C. ; Target Estimation in Bistatic MIMO Radar via Tensor Completion, *Elsevier Signal Processing*, accepted for publication, 2015.

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- [30] XI, H., de ALMEIDA, A. L. F., Channel Estimation for MIMO Multi-Relay Systems Using a Tensor Approach, *EURASIP Journal on Advances in Signal Processing*, vol. 2014, pp. 163, 2014.
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[3] de ALMEIDA, A. L. F., FAVIER, G. , MOTA, J. C. M., Multiuser MIMO Systems Using STFMA PARAFAC Tensor Modeling. In: Cavalcanti, F. R. P., Andersson, S. N. (Org.), *Optimizing Wireless Communication Systems*, 1 ed. New York: Springer, 2009, v. 1, p. 421-457.

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Ph.D. Dissertation:

de ALMEIDA, A.L.F. , *Tensor Modeling and Signal Processing for Wireless Communication Systems*, PhD. dissertation, University of Nice Sophia Antipolis (UNS), Sophia Antipolis, France, November, 2007.

Conference Paper:

[90] MARINHO, M. A. M. ; COSTA, J. P. C. L. ; ANTREICH, F. ; de ALMEIDA, A. L. F.; Multidimensional Array Interpolation Applied to Direction of Arrival Estimation. In: Workshop on Smart Antennas (WSA), 2015, Ilmenau. Proceedings of WSA'2015, 2015. v. 1. p. 1-6.

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[85] de ALMEIDA, André L.F. ; KIBANGOU, A. Y. . Distributed Large-Scale Tensor Decomposition. In: IEEE Internacional Conference on Acoustics, Speech and Signal Processing (ICASSP 2014), 2014, Florence. Proceedings of IEEE ICASSP2014, 2014. v. 1. p. 1-5.

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[83] CAVALCANTE, I. V. ; de ALMEIDA, A. L. F. ; HAARDT, M. . Tensor-Based Approach to Channel Estimation in Amplify-and-Forward MIMO Relaying Systems. In: IEEE Sensor Array and Multichannel Signal Processing Woskshop (SAM2014), 2014, A Coruña. Proceedings of IEEE SAM2014, v. 1. p. 1-4.

[82] MARINHO, M. A. M. ; de FREITAS, E. P. ; COSTA, J. P. C. L. ; de ALMEIDA, A. L. F. . Using MIMO Techniques to Enhance Communication Among Static and Mobile Nodes in Wireless Sensor Networks. In: IEEE International Conference on Advanced Information Networking and Applications, (IEEE AINA 2013), Barcelona, 2013. v. 1. p. 1-5.

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