

# **Curriculum Vitae**

Omar Aldayel

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## **Education:**

2013- Present PhD in Electrical Engineering, Pennsylvania State University, USA  
2008-2011 M.S.E in Electrical Engineering, Wireless Systems  
Royal Institute of Technology (KTH), Sweden  
2002-2007 B.S.E in Electrical Engineering, Communications (Excellent Grade)  
King Saud University, Saudi Arabia

## **Working Experience:**

2007-2008 Demonstrator, Electrical Engineering department, King Saud University, Saudi Arabia  
2011-Present Lecturer and Researcher in Electrical Engineering department  
King Saud University, Saudi Arabia  
2012-Present Part time research, Prince Sultan Advanced Technologies Research Institute (PSATRI) at microwave, antenna and radar laboratory

## **Training:**

Summer 2005 4 months at the Saudi Telecom Company (STC) in the National Network Controlling Center (NNCC).

**Research Interests:**

My research interests are in communications and signal processing, specifically in the fields of MIMO communications, statistical signal processing and analytical channel modeling.

**Publications:**

- [1] Omar Aldayel, Mats Bengtsson, and Saleh A. Alshebeili, "Evaluation of MIMO Channel Non-stationarity," in Proc. 21st European Signal Processing Conf. EUSIPCO-2013, Marrakesh, Morocco, Sept. 9-13.
- [2] Omar Aldayel, "Evaluations of MIMO Non-stationarity", Master Thesis, the Royal Institute of Technology (KTH), 9 march 2011. Link:  
[https://eeweb01.ee.kth.se/upload/publications/reports/2011/XR-EE-SB\\_2011\\_005.pdf](https://eeweb01.ee.kth.se/upload/publications/reports/2011/XR-EE-SB_2011_005.pdf)
- [3] Albert Armisen, Ali Alenezi, Efthymios Stathakis, Kiran Sami, Omar Aldayel and Sara Khosravi, "MIMO with Successive Interference Cancellation", group work project, the Royal Institute of Technology (KTH), 4 June 2009. Link:  
[http://www.s3.kth.se/signal/project\\_course/2009/red/Final\\_Report.pdf](http://www.s3.kth.se/signal/project_course/2009/red/Final_Report.pdf)