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4 / 4 / 2008

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## PERSONAL DATA

**Name:** Saeed A. A. Aldosari  
**Business Address:** King Saud University  
Electrical Engineering Department,  
P.O. Box 800, Riyadh 11421, Saudi Arabia  
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## EDUCATION

*{King Saud University, Riyadh, Saudi Arabia}*

<u>Year</u>	<u>Degree</u>	<u>Faculty</u>	<u>Field</u>
1994	B.Sc.	Engineering	Electrical Engineering
2000	M.Sc.	Engineering	Electrical Engineering (Communications & Signal Processing)

*{Carnegie Mellon University, Pittsburgh, PA, USA}*

<u>Year</u>	<u>Degree</u>	<u>Faculty</u>	<u>Field</u>
2005	Ph.D.	Engineering	Electrical Engineering (Communications & Signal Processing)

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## CURRENT POSITION

Assistant Professor, Electrical Engineering Department, King Saud University, Riyadh, Saudi Arabia

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## POSITIONS HELD

**ACADEMIC - KING SAUD UNIVERSITY, RIYADH, SUDI ARABIA**

*Electrical Engineering Department*

1. Assistant Professor (2006-present)
  2. Lecturer (2000-2001)
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## PROFESSIONAL MEMBERSHIPS

- IEEE

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## AWARDS

### AWARD PUBLICATIONS

1. Winner of the student paper contest of the IEEE International Conference on Acoustics, Speech, and Signal Processing (ICASSP'05), Philadelphia, March 18-23, 2005.
  2. Nominated for the student paper award of the Asilomar Conference on Signals, Systems, and Computers, Pacific Groove, CA, October 30 - November 2, 2005.
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## PUBLICATIONS (*Summary*)

- Refereed Journal Papers (1)
  - Award Winning Conference Papers (1)
  - Conference Papers (10)
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## ACADEMIC SUPERVISION

### GRADUATE/UNDERGRADUATE SUPERVISION

- Ph.D. Programs: 0 students
- M.Eng. & M.Sc. Programs: 0 students
- Graduation Thesis & Summer Projects: 2 students

### GRADUATE/UNDERGRADUATE EXAMINATION & SUPERVISORY COMMITTEES

- Ph.D. Supervisory Committees: 0 students
  - Ph.D. & M.Eng. Defense Committees: 0 students
  - B.Sc. Thesis Examination Committees: 0 students
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## RECENT PUBLICATIONS (*Last Five Years*)

### Journal Papers

1. S. Aldosari, J. Moura, "Detection in sensor networks: The saddlepoint approximation," Accepted for publication in IEEE Transactions on Signal Processing, 2006.

### Conference Papers

2. S. Aldosari, J. Moura, "Topology of Sensor Networks in Distributed Detection," Accepted for presentation at The IEEE International Conference on Acoustics, Speech, and Signal Processing (ICASSP'06), Toulouse, France, May 14-19, 2006 (Invited paper)
3. S. Aldosari, J. Moura, "Distributed Detection in Sensor Networks: Connectivity Graph and Small World Networks," in Proc. The Asilomar Conference on Signals, Systems, and Computers, Pacific Grove, CA, October 30 - November 2, 2005 (Selected among the 10 finalists of the Student Paper Contest).
4. S. Aldosari, J. Moura, " Saddlepoint approximation for sensor network optimization," in Proc. The IEEE International Conference on Acoustics, Speech, and Signal Processing (ICASSP'05), Philadelphia, PA, March 18-23, 2005 (Winner of the Student Paper Contest).
5. S. Aldosari, J. Moura, "Fusion in Sensor Networks", Frontiers in Optics, Rochester, NY Oct. 12-13, 2004. (Invited)
6. S. Aldosari, J. Moura, " Detection in Decentralized Sensor Networks," in Proc. The IEEE International Conference on Acoustics, Speech, and Signal Processing (ICASSP'04), Montreal, Canada, May 17-21, 2004 (Rated among the best in its category)
7. S. Aldosari, J. Moura, " Fusion in Sensor Networks with Communication Constraints," in Proc. IEEE/ACM Symposium on Information Processing in Sensor Networks (IPSN'04), Berkley, CA, April 26-27, 2004.
8. S. A. Aldosari, S. A. Alshebeili and A. M. Al-Sanie, "Combined linear-decision feedback sequence estimation: An improved system design," in Proc. The IEEE International Symposium on Circuits and Systems (ISCAS), Sydney, Australia, May 2001
9. S. A. Aldosari, S. A. Alshebeili and A. M. Al-Sanie, "Chernoff bound on the probability of error for combined linear-decision feedback sequence estimation," in Proc. The IEEE International Conference on Communication, Computer and Power (ICCCP), Muscat, Oman, February 2001.
10. S. A. Aldosari, S. A. Alshebeili and A. M. Al-Sanie, "Effective MSE criterion for combined linear-Viterbi equalization," in Proc. The IEEE International Conference in Communication Systems (ICCS), Singapore, Singapore, November 2000.
11. S. A. Aldosari, S. A. Alshebeili and A. M. Al-Sanie, "A new MSE approach for combined linear-Viterbi equalizers," in Proc. The IEEE Semiannual Vehicular Technology Conference (VTC), Tokyo, Japan, May 2000.