CV Luis M. Vicente, PhD

PROFESSIONAL PREPARATION

- Ph.D. in Electrical and Computer Engineering (completed on May 2009),
  University of Missouri, Columbia, MO.
- Master of Science in Electrical Engineering (completed on Aug. 1996),
  Florida International University, Miami, FL.
- Telecommunication Engineer (completed on Feb. 1990),
  Universidad Politécnica de Madrid, Madrid, Spain.

APPOINTMENTS

- Sponsored Research Projects Coordinator, Polytechnic University of Puerto Rico (PUPR), San Juan, PR, March. 2011-present;
- Coordinator, Master of Science in Electrical Engineering and Master of Engineering in Electrical Engineering, Polytechnic University of Puerto Rico (PUPR), San Juan, PR, Aug. 2009-present;
- Associate Professor for the Electrical Engineering program, PUPR, Dept. Electrical & Computer Engineering and Computer Science (ECECS), San Juan, PR, Aug. 2009-present;
- Assistant Professor for the Electrical Engineering program, PUPR, Dept. Electrical & Computer Engineering (ECE), San Juan, PR, March 2003- Aug. 2009;
- Software Engineer at Voyetra Inc. Yonkers, NY, USA, May 1998 – Aug 2002.
- Software Engineer at Siemens Corp. Madrid, Spain, Oct. 1997 - May 1998.
- Software Engineer at Software A.G. Inc. Madrid, Spain, Jun 1997 - Oct. 1997.
- Software Engineer at Voyetra Inc. Yonkers, NY, USA, Sept. 1996 - May 1997.
- Student/Lab. Assistant at Florida International University Miami, FL, USA. Dec. 1994 - Sept. 1996.
- Electronic Engineer at SENER Ingenieria y Sistemas, S.A. Tres Cantos, Madrid, Spain, Feb 1990 - Oct 1994.

Nationality:	Spanish.
Residency:	U.S. Resident since March 2005.
Field of Research:	Statistical and Adaptive Signal Processing, Beamforming, Array Signal Processing.

RECENT PUBLICATIONS

Angel A. Lebrón, **Luis M. Vicente**, "Analysis of Different Robust Methods for Linear Array Beamforming" in Proc. CAHSI 2011, San Juan, Puerto Rico, March 2011.

Karlos E. Collazo Ortiz, **Luis M. Vicente**, "An Improved 2D DFT Parallel Algorithm Using Kronecker Product" in Proc. CAHSI 2011, San Juan, Puerto Rico, March 2011.

K. C. Ho and **L. M. Vicente**, *"Sensor allocation for source localization with decoupled range and bearing estimation"*, *IEEE Trans. Signal Process.*, Dec. 2008

Y. Li, **L. Vicente**, K. C. Ho, C. Khan, Daniel P. K. Lun, and Y. H. Leung, *"A study of partially adaptive concentric ring array,"* J. Circuits, Systems, and Signal Processing, Springer, vol. 27, no. 5, pp. 733–748, Jan. 2008.

L. M. Vicente and K. C. Ho, *"Optimizing the Performance of the Partial Adaptive Concentric Ring Array in the Presence of Prior Knowledge,"* in Proc. IEEE SAM, Darmstadt, Germany, July. 2008

Vicente L.M. and Ho, K. C., *"Combined Beamspace and Element Space Technique for Partial Adaptive Concentric Ring Array".* EUSIPCO.07, Poznan, Poland, Sept. 3-7, 2007.

L. M. Vicente, K. C. Ho, and C. Khan, *"An improved partial adaptive narrow-band beamformer using concentric ring array,"* in Proc. IEEE ICASSP, Tolouse, France, May 2006, vol. 4, pp. IV-1037- IV-1040.

SYNERGISTIC ACTIVITIES

- Local co-chair at the Third International Workshop on Computational Advances in Multi-Sensor Adaptive Processing, CAMSAP 2011.

Reviewer

- icEIC ,Education, Informatics, and Cybernetics Intl. Conference, 2011.
- EURASIP Signal Processing, an International Journal, 2011.

- WSEAS Transaction on Signal Processing Journal, 2010.
- Journal of Electromagnetic Waves and Applications (JEMWA). Progress in Electromagnetic Research (PIER, PIER B,C,M, PIER Letters), 2010.
- International Symposium on Optical Engineering and Photonic Technology: OEPT 2009 and 2010.
- 6th and 7th International Conference on Computing, Communications and Control Technologies: CCCT 2008 and 2009.
- IEEE-EURASIP Journal on Advances in Signal Processing, 2007.
- IEEE-EURASIP Journal on Wireless Communications and Networking, 2007.
- IEEE-EURASIP International Symposium on Signal Processing and its Applications, ISSPA 2007.

Courses instructed at the Graduate level
- Pattern Recognition.   Array Signal Processing.   Non-linear Control Systems.
- Industrial Instrumentation   Photovoltaic Solar Energy.

Recent courses instructed at the Undergraduate level
- Random Processes.   Signals and Systems.   Software Applications for Electrical Engineering.

RECENT CONFERENCES AND SEMINARS ATTENDED

1. DoD HPC Modernization Program 2011 Users Group Conference, Portland Or, June 2011
2. TAPIA11, Richard Tapia Celebration of Diversity in Computing, San Francisco, CA, April, 2011.
3. First Meeting of Institutions of High Education (IES): Inclusion of Disabled Students in Distance Learning, San Juan, PR, Mar. 2011.
4. CAHSI 2011, Computing Alliance of Hispanic-Serving Institutions, 5th Annual Meeting, San Juan, PR, Mar. 2011.
5. CDC11, NSF-Sponsored Academic Workshop for Underrepresented Ethnic Minorities and People with Disabilities at the level of Assistant Professor, Associate Professor, and Senior Doctoral Student, Los Angeles, CA, Feb. 2011.
6. Teragrid Outreach Workshop, San Juan, PR, Dec. 2010.
7. SC10, International Conference for High Performance Computing, Networking, Storage and Analysis, New Orleans, La, Nov. 2010.
8. ICSTE 2010, 2nd International Conference on Software Technology and Engineering. San Juan, PR, Oct 2010.
9. NCSI2010, Parallel and Cluster Computing Intermediate workshop, Oklahoma University, Norman, OK, Aug. 2010.
10. NDISW, CGS (Council of Graduate School), New Deans Institute and Summer Workshop, San Juan, PR, July 2010.
11. DoD HPC Modernization Program 2010 Users Group Conference, Schaumburg Il, June 2010.
12. DoD CSE-HPC Faculty Training Mini Workshop on Grid and Cluster Computing held at the Polytechnic University of Puerto Rico, San Juan, PR, Apr. 2010.
13. NSF Research Days Seminar held at the Polytechnic University of Puerto Rico, San Juan, PR, Feb. 2010.
14. Federal Proposals Writing and Funds Management for Engineers Training Seminar held at the Polytechnic University of Puerto Rico, San Juan, PR, Jan. 2010.
15. Title V Funding Opportunities & Title V Project Management and Evaluation Strategies, San Juan, PR, Jan. 2010.

Graduate Thesis Advisor
Two graduated, three students currently working towards their Master Thesis in the area of Array Signal Processing.