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PROFESSIONAL PREPARATION

I.U.P.F.A.N., Venezuela - Electronics Engineering	B.Sc.	12/1983
University of Pittsburgh - Telecommunications	M.Sc.	05/1994
University of Pittsburgh - Information Science - Telecommunications	Ph.D.	12/2000

APPOINTMENTS

Associate Professor	Aug. 2007–Present	University of South Florida , Tampa, FL.
Assistant Professor	Aug. 2001–Aug. 2007	University of South Florida , Tampa, FL.
Consultant	Oct. 2000–Jul. 2001	Telcordia Technologies Inc. , Red Bank, NJ.
Research Assistant	Apr. 1997–Sep. 2000	University of Pittsburgh , Pittsburgh, PA.
Consultant	Jan. 1997–Apr. 1997	INTESA (SAIC Subsidiary) , Venezuela.
Telecom Supervisor	Jan. 1985–Dec. 1996	LAGOVEN, S.A , Venezuela.

PUBLICATIONS

Five technical publications

1. Miguel A. Labrador, Alfredo Perez, and Pedro Wightman, “Location-Based Information Systems – Developing Real-Time Tracking Applications”, *Taylor and Francis, Chapman & Hall/CRC Computer and Information Science Series*, 2010.
2. Alfredo Perez, Miguel A. Labrador, and Sean Barbeau, “G-Sense: A Scalable Architecture for Global Sensing and Monitoring”, *IEEE Network Magazine*, Vol. 24, No. 4, pp. 57-64, July 2010.
3. Sean J. Barbeau, Miguel A. Labrador, Nevine L. Georggi, Philip L. Winters and Rafael A. Perez, “LAISYC – A Location-Aware Framework to Support Intelligent Real-time Applications for GPS-Enabled Mobile Phones”, *IEEE Pervasive Computing*, July 2010.
4. Cesar Guerrero and Miguel A. Labrador, “Traceband: A Fast, Low Overhead and Accurate Tool for Available Bandwidth Estimation and Monitoring”, *Computer Networks*, 54, (2010), pp. 977-990.
5. Miguel A. Labrador and Pedro Wightman, “Topology Control in Wireless Sensor Networks – with a Simulation Tool for Teaching and Research”, *Springer*, 2009.

Five educational publications

1. Beth Taylor and Miguel A. Labrador, “Computer Science TransfEr Programs (CSTEP): Transferring Community College Students to Four Year Universities”, Poster in *8th Annual National Institute for the Study of Transfer Students Conference*, January 27-29, 2010.
2. Michelle Kobus, Cesar Guerrero, Miguel A. Labrador, and Rafael Perez, “CSTEP: Transferring Computer Science Community College Students to Four-year Universities”, *Proceedings of ASEE*, 2009.
3. Cesar D. Guerrero, Miguel A. Labrador, and Rafael A. Perez, “REU Sites: Much More than a Research Experience for Undergraduates”, *Proceedings of ASEE Annual Conference and Exposition*, March 2008.
4. Cesar D. Guerrero, Miguel A. Labrador and Rafael Perez, “Graduate Students Mentoring in REU Sites”, *Proceedings of ASEE SE 2007*, April 2007.
5. Mary J. Granger, Guy-Alain Amoussou, Miguel A. Labrador, Sue Perry and Kelly M. Van Busum, “Research Experience for Undergraduates: Rewarding and Fun”, *Proceedings of ACM SIGCSE 2006 (Panel)*, pp. 558-559, March 2006.

MOST RELEVANT FUNDED-PROJECTS

1. Travel Assistant Device (TAD). Three phases for a total of \$450,000. Transportation Research Board of the National Academies - Transit-IDEA Program and Florida Department of Transportation. 2007-2010. Co-Principal Investigator. In collaboration with Phil Winters, Rafael Perez, Sean Barbeau, and Nevine Georggi from USF’s Center for Urban Transportation Research (CUTR).
2. Location-based Services for Real-time Tracking of Tactical Equipment and Users. Two phases for a total of \$300,000. 2008-2010. TACLAN, iGov. Sole Principal Investigator.
3. Available Bandwidth Estimation Techniques for Wireless Ad Hoc Networks. Two phases for a total of \$300,000. 2008-2010. TACLAN, iGov. Sole Principal Investigator.
4. REU Site in Computer Science and Engineering. Initial grant and renewal. National Science Foundation. Six years since summer 2005. Total funding \$600,000. Principal Investigator.
5. BPC-DP: CSTEP: Computer Science TransfEr Programs. National Science Foundation. 2007-2011. Total funding \$600,000. Principal Investigator.

SERVICE ACTIVITIES

1. Participated in NSF panels for the REU and BPC programs.
2. Given several invited talks, key note speeches, and tutorials.
3. Editorial board member of the International Journal of Distributed Sensors, Computer Communications, Journal of Network and Computer Applications, and Revista Colombiana de Computación.
4. Lead guest editor, of the special issue “Advanced Location-Based Services,” Computer Communications, spring 2008.
5. Technical Program Co-Chair, IEEE Latincom 2010, Workshop Chair, 8th International Conference on Ad-Hoc Networks and Wireless, Ad Hoc Now 2009, Exhibit and Sponsorship Co-Chair, 2007 IEEE International Conference on Wireless and Mobile Computing, Networking and Communications (WiMOB), New York, June 2007, Publicity Chair, IEEE International Symposium on Wireless Pervasive Computing 2007, San Juan, Puerto Rico, February 2007, Local arrangements Chair, IEEE LCN 2006 and Chair, Transport Layer Protocols over Wireless

Networks Symposium, 58th IEEE Vehicular Technology Society (VTC 2003) Conference, Orlando, FL, October 4-9, 2003.

6. Member of the Technical Program Committee and conference session chair of many conferences over many years, such as IEEE Globecom, IEEE ICC, IEEE LCN, IEEE IPCCC, IEEE Latincom, and others.
7. Reviewer for many journals, such as IEEE Communications Magazine, IEEE Transactions on Wireless Communications, IEEE Sensors Journal, and IEEE Journal of Selected Areas in Communications, among others.
8. Committee member of many departmental and university-wide committees, such as Graduate Program Committee, Tenure and Promotion Committee, Faculty Evaluation Committee, Faculty Search Committee, Graduate Diversity Advisory Council, Undergraduate Research Advisory Board, USF Commencement and Convocations Committee, and others.
9. Director of the Research Experience for Undergraduates Program (<http://www2.eng.usf.edu/reu/>) for the Department of the Computer Science and Engineering since the program's creation in spring 2002.
10. Elected Secretary of the IEEE Technical Committee on Computer Communications (TCCC) (<http://www.comsoc.org/~tccc/>). Two-year term (December 2001 to 2003).

RECENT HONORS AND AWARDS

1. 2010 Diversity Honor Roll Award given by the Office of Diversity and Equal Opportunity, USF, April 8, 2010.
2. Inducted as a charter member in the USF Academy of Inventors, October 5, 2009.
3. 2008 USF Excellence in Innovation Award, for the highly innovative work done in the area of Location-Aware Information Systems.
4. College of Engineering's nominee for the 2008 U.S. Professor of the Year Award.
5. 2006-2007 USF Outstanding Undergraduate Teaching Award.
6. 2005 American Society for Engineering Education (ASEE), Southeastern Section New Faculty Research Award, April 2005.
7. Elevated to the position of Senior Member of the IEEE, August 200
8. Granted patent "System and Method to Assure Node Connectivity in an Ad Hoc Network", U.S. Patent No. 7,512,079, March 31, 2009. Miguel A. Labrador and Venkatesh Ramarathinam. Filed sixteen (16) provisional patents through USF's Division of Patents and Licensing.

COLLABORATORS AND OTHER AFFILIATIONS

Collaborators

Phil Winters and Sean Barbeau (USF Center for Urban Transportation Research), Carlos Soto (Hillsborough Community College), Rafael Perez (USF).

Graduate Advisors

University of Pittsburgh: Sujata Banerjee (chair), David Tipper, Taieb Znati, Richard Thompson, Panos Chrysanthis.

Thesis Advisees

Graduated thirteen Master of Science and five Ph.D. students. Currently working with five Ph.D. students.