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A. Professional Preparation:

Florida International University, Miami, FL USA	Computer Science	B.S. 1983
Florida International University, Miami FL USA	Computer Science	M.S. 1995
Twente University, Enschede, Netherlands	International MIS	Ph.D. 2012

B. Appointments:

2014-Present	Adjunct Professor, School of Computer and Information Science, FIU
2008-Present	Assistant VP, Technology Augmented Research, CIARA
2005-2008	Executive Director, CIARA
2002-2005	Director, CIARA
1998-2002	Director, Network Engineering and Telecommunications
1994-1998	Associate Director, Department of Telecommunications

C. Products:

Chung, J., Donovan, S., Bezerra, J., Morgan, H., Ibarra, J., Clark, R., & Owen, H., "Novel Network Services for Supporting Big Data Science Research". Presented at Gateways 2017, University of Michigan, Ann Arbor, MI, October 23-25, 2017. <https://gateways2017.figshare.com/>, Paper

Chung, J., Donovan, S., Bezerra, J., Morgan, H., Ibarra, J., Clark, R., & Owen, H., "Novel Network Services for Supporting Big Data Science Research". Presented at Gateways 2017, University of Michigan, Ann Arbor, MI, October 23-25, 2017. <https://gateways2017.figshare.com/>, Poster

Bezerra, J., Arcanjo, V., Ibarra, J., Kantor, J., Lambert, R., Kollross, M., Astudillo, A., Sobhani, S., Jaque, S., Petravick, D., Morgan, H., Lopez, L., "International Networking in support of Extremely Large Astronomical Data-centric Operations". Presented at Astronomical Data Analysis Software and Systems (ADASS XXVII) conference, Santiago, Chile, October 22-26, 2017. <http://www.adass.org/>

Bezerra, J., Ibarra, J., Schwarz, M., Freitas, H., Morgan, H., "Mitigating the Risks of Supporting Multiple Control Plans in a Production SDN Network: A Use Case", In Anais do SBRC/WPEIF 2017, Belem, PA, Brazil, (p.34-37)

Galiza, H., Schwarz, M., Bezerra, J. and Ibarra, J., "Moving an IP network to SDN: a global use case deployment experience at AmLight". Brazilian Symposium on Computer Networks and Distributed Systems (SBRC) Workshop on Future Internet Research and Experimentation (WPEIF), pages 15-18, Salvador Bahia Brazil, June 2016

Bezerra, J., Galiza, H., Ibarra, J. and Schwarz, M., "AmLight's OpenFlow Sniffer dissected: Troubleshooting production networks", Brazilian Symposium on Computer Networks

and Distributed Systems (SBRC) Workshop on Future Internet Research and Experimentation (WPEIF), pages 33-36, Salvador Bahia Brazil, June 2016

J. Chung, J. Cox, J. Ibarra, J. Bezerra, H. Morgan, R. Clark, and H. Owen, “AtlanticWave-SDX: An International SDX to Support Science Data Applications”, Software Defined Networking (SDN) for Scientific Networking Workshop, Nov. 2015, pp. 1-7.

J. Ibarra, J. Bezerra, H. Morgan, D. A. Cox, III, M. Stanton, I. Machado, and E. Grizendi, “Benefits brought by the use of OpenFlow/SDN in the AmLight intercontinental research and education network”, IM 2015 - 14th IFIP/IEEE Symposium on Integrated Network and Service Management, Ottawa, Canada, 11-15 May, 2015

H. L. Alvarez, D. A. Cox, J. E. Ibarra, “Openwave: Collaboration Between Industry and Government”, Managing Critical Infrastructure in a Changing Natural and Socio-Economic Environment, 2014 ICPC Plenary Meeting, Dubai, 18-20 March, 2014

C. Zhang, B. Liu, X. Su, H. Alvarez and J. Ibarra, “An Experimental Approach to Integrating NetFlow Flow-level Records and NLANR Packet-level Traces”, Proceedings of the 2nd International Conference on Internet Monitoring and Protection (IEEE Computer Society Press), Silicon Valley, July 2007.

H. Alvarez, D. Chatfield, D. Cox, E. Crumpler, C. DCunha, R. Gutierrez, J. Ibarra, E. Johnson, K. Kumar, T. Milledge, G. Narasimhan, M. Sadjadi, and C. Zhang, “Cyberbridges: A Model Collaboration Infrastructure for e-Science”, Proceedings of the 7th IEEE International Symposium on Cluster Computing and the Grid (CCGrid), Rio de Janeiro, Brazil, May 2007.

H. Alvarez, J. Ibarra, K. Kumar, C. Zhang, et. al., “CyberBridges: Integrating Advanced Grid Infrastructure with Science and Engineering”, Proceedings of the TeraGrid Conference, Madison, Wisconsin, June 2007.

E. Rubi, X. Su, I. Legrand, H. Alvarez, J. Ibarra, “Anatomy of an International Exchange Point: Distributed Network Monitoring Using MonALISA and NetFlow”, InterWorking 2006 Conference, Santiago, Chile.

H. Alvarez, J. Ibarra, “Experiences with the Digital Divide in Latin America”, 2003 Round Table on Developing Countries Access to Scientific Knowledge, The Abdus Salam ICTP, Trieste, Italy, <http://www.ejds.org/meeting2003/>

D. Synergistic Activities:

1. Florida LambdaRail Board
2. Southeast Universities Research Association (SURA) IT Committee
3. Latin American University Research and Education Networks Foundation Board
4. South American Astronomy Coordination Committee (SAACC)