

ACADEMIC CURRICULUM VITAE

Jeronimo Aguiar Bezerra

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www.ciara.fiu.edu
www.amlight.net
www.ampath.net

EDUCATION & TRAINING

- 2012 M.S. Mechatronics
Federal University of Bahia
Master Thesis Title: *Mobilidade IP com o Protocol LISP: Avaliação Prática (IP Mobility with LISP: A Practical Evaluation)*
Graduate Advisor: Prof. Dr. Luciano Porto Barreto
- 2009 B.S. Computer Science
Federal University of Bahia
Final Work Title: *Estudo sobre Segurança de Camada de Enlace em Redes de Campus (A Survey about Layer 2 Security in Campus Networks)*
Advisor: Prof. Dr. José Augusto Suruagy

APPOINTMENTS

- 2019-present IT Associate Director: Center for Internet Augmented Research and Assessment (CIARA)
- 2016-2019 IT Assistant Director: Center for Internet Augmented Research and Assessment (CIARA)
School: Florida International University
Location: 11200 S.W. 8th St PC 312, Miami, FL 33199
Description:
 - Lead the AmLight and AMPATH Academic Exchange Point's Engineering Teams, composed by four sr. network engineers, two software developers and networking interns
 - Responsible for planning, configuring, operating and for the prospection of new technologies and protocols to support AmLight's operation, including BGP, IPv6, OpenFlow, Multicast, PIM and OSPF.
 - Lead Engineer responsible for the activation of the first international 100G link from USA to South America
 - Lead of the SDN deployment in production in 2014 and its current operation, supporting 2000+ institutions with NOX, ONOS and Ryu
 - Lead Software Engineer for new OpenFlow tools to support AmLight's operation, such as the AmLight OpenFlow Sniffer, the AmLight SDNTrace or integration components – most in Python and available at Github
 - Lead Engineer of the Large Survey Synoptic Telescope Network Engineering Team responsible to plan, test and operate the multi-100G

	<p>network responsible to transfer all data generated from Base/Chile to Archive/USA</p> <ul style="list-style-type: none"> • Responsible for outreaching AmLight's capabilities to the international community, establishing new partnerships, writing papers and presenting experiences and softwares developed in more than 10 countries, including at NANOG
2014-2016	<p>Coordinator Computer System Control: Center for Internet Augmented Research and Assessment (CIARA) School: Florida International University Location: 11200 S.W. 8th St PC 312, Miami, FL 33199</p> <p>Description:</p> <ul style="list-style-type: none"> • Responsible for planning, configuring, operating and for the prospection of new technologies and protocols to support AmLight's operation, including BGP, IPv6, OpenFlow, Multicast, PIM and OSPF. • Lead of the SDN deployment in production in 2014 and its current operation, supporting 2000+ institutions • Lead Software Engineer for new OpenFlow tools to support AmLight's operation, such as the AmLight OpenFlow Sniffer, the AmLight SDNTrace or integration components – most in Python • Responsible for outreaching AmLight's capabilities to the international community, establishing new partnerships, presenting experiences and softwares developed in more than 10 countries, including at NANOG • Responsible for managing two interns and their SDN projects
2012-2014	<p>Senior Network Engineer: Brazilian National Network of Research Location: 209, Andre Tosello Ave, Campinas, SP, Brazil</p> <p>Description:</p> <ul style="list-style-type: none"> • AmLight's Sr. Network Engineer, responsible for all network engineering to connect all Latin America National Research Networks to USA's NRENs and Internet commodity. • Responsible for BGP peerings at Nap of the Americas and Amsterdam Internet Exchange Point • Responsible for BGP, IPv4, IPv6, Layer 2 and switch fabric cluster operations. • Provide support to all academic applications through AMLIGHT's backbone, to experiments as OpenFlow/SDN, Network Monitoring using PerfSonar and Hybrid Networks.
2011-2012	<p>Information Technology Manager: School: Federal University of Bahia, Brazil Location: 1, Adhemar de Barros Ave, CPD, Salvador, Bahia, Brazil</p> <p>Description:</p> <ul style="list-style-type: none"> • Lead of a team of 33 technicians and network analysts, which involved all datacenter operations and maintenance (150 servers and 70 TB of data).

- Supporting the UFBA's network, composed of 12,000 desktops, 100Km of optical fiber, 400+ D-Link, 3Com and Cisco devices, based on OSPF.
- Supporting the Internet eXchange Point of Bahia (IXP-BA - <http://ba.ptt.br>), which had 19 autonomous systems exchanging 2 Gbps of IP traffic.
- Responsibility for the operation of the Federal Research Network's Point of Presence in Bahia (PoP-BA/RNP) - that connects all universities and research centers of Bahia, Brazil-, based in one 10Gbps backbone, connect to the Brazilian Academic Network over three 10 Gbps connections.
- Supporting Salvador's Metro Network Operation, which has 16 participants, connected to it with 1 or 10Gbps links (<http://remessa.pop-ba.rnp.br>).

2011-2012

Network Researcher

School: Federal University of Bahia, Brazil

Location: 1, Adhemar de Barros Ave, CPD, Salvador, Bahia, Brazil

Description:

- Working on research related to IP Mobility in the Internet of the future project, which is focused on LISP Protocol
- Co-Advisor of four final works at the UFBA, related to network and security and author of one paper "Introducing LISP as a solution to the Internet scalability issue"

2003-2011

Network and IT Analyst

School: Federal University of Bahia, Brazil

Location: 1, Adhemar de Barros Ave, CPD, Salvador, Bahia, Brazil

Description:

- Supporting the operation of the Federal Research Network's Point of Presence in Bahia (PoP-BA/RNP)
- Supporting all projects and implementations related to networking in the UFBA and PoP-BA/RNP, as deployments of BGP, OSPF, QinQ, EAPS, Multicast, IPv6 and security, using Cisco, Extreme and Juniper devices
- Network administration of the IXP of Bahia, related to Project PTTMetro-Brazil (<http://www.ptt.br>)
- Deployment of the Salvador's Metro Ethernet network with Extreme Network devices and 100km of optical fibers
- Supporting all 50 GNU/Linux Debian servers of UFBA, from mainframe/zVM s390 to Intel amd64
- Supporting the consolidation of Intel and S/390 servers using VMWare 3.5 and IBM SAN (DS-4000 storages).

TEACHING EXPERIENCE

2016	Invited Professor: Software-Defined Networking School: Florida International University, Computer Science School Location: 11200 S.W. 8th St PC 312, Miami, FL 33199 Total: 3 hours
2007	Assistant Professor: Introduction to Voice over IP School: Federal University da Bahia, Mathematics Institute Location: Av. Ademar de Barros, S/N, Ondina, Salvador, Bahia, Brazil Total: 36 hours

RESEARCH EXPERIENCE

2011-2012	Network Researcher at Federal University of Bahia, Brazil Location: 1, Adhemar de Barros Ave, CPD, Salvador, Bahia, Brazil Description: <ul style="list-style-type: none">• Working on research related to IP Mobility in the Internet of the future project, which is focused on LISP Protocol• Co-Advisor of four Computer Science students and their final works at the Mathematics Institute of the Federal University of Bahia, related to network and security and author of one paper "Introducing LISP as a solution to the Internet scalability issue".
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REVIEW EXPERIENCE

2016	Invited Panel Reviewer - National Science Foundation (NSF) for Cybersecurity Innovation for Cyberinfrastructure (CICI) Projects Description: Evaluation of CICI funding proposals from USA Universities
2016	Invited Proposal Reviewer - National Science Foundation (NSF) 2016 Workshop for Research in Internet of Future Description: Evaluation of grants proposals from USA Universities for presentations

BOOK AUTHOR

Book: OSPF Avançado (Advanced OSPF). 2015. ISBN: 978-85-63630-57-5
Link: <https://www.scribd.com/document/317716767/OSPF-Avancado>

SENIOR PERSONAL FOR NSF PROJECTS

2015-2021	Subaward under # AST- 1202910, \$17,158,000, LSST Construction: Construction of the Large Synoptic Survey Telescope (LSST) FIU awarded for AMLIGHT to provide an Advanced International Network for the Large Synoptic Survey Telescope (LSST) through 2031 with AMLIGHT's
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long-term support for a high-speed network, linking LSST to the National Center for Super Computing Applications (NCSA) through a sub-award from the Association of Universities for Research in Astronomy (AURA).

- 2015-2020 Award# ACI- 1451018, \$5,000,000, IRNC: **Backbone: AmLight Express and Protect (ExP)**, AmLight ExP will be a reliable, leading-edge infrastructure for research and education. Total production bandwidth provided by AmLight ExP between the U.S. and South America will grow to more than 680G over the next five years.
- 2015-2020 Award# ACI- 1451024, \$3,500,000, IRNC: **RXP: AtlanticWave-Software Defined Exchange: A Distributed Intercontinental Experimental Software Defined Exchange (SDX)** A distributed experimental SDX will provide an environment for development and prototyping of functions and services essential towards advancing knowledge to support end-to-end services, capable of spanning multiple SDN domains.

HONOR AWARDS AND ACHIEVEMENTS

- 2017 Nominated for 2017 Florida International University (FIU) Service and Recognition Awards
- 2016 Awarded the Best Experience Paper at the 2015 IFIP/IEEE International Symposium on Integrated Network Management with paper titled “Benefits brought by the use of OpenFlow/SDN on the AmLight intercontinental research and education network”
- 2016 Featured researcher in Digital Time “Innovation and excellence enable new partnerships and growth”, (“Inovação e excelência viabilizam novas parcerias e crescimento” -Tempo Digital 40 Anos de STI) Magazine April 2016, Salvador, Bahia, Brazil. Tempo Digital is an institutional dissemination journal of the Information Technology Superintendence (STI) of the Federal University of Bahia (UFBA), ISBN 2448-0061

PEER REVIEWED PUBLICATIONS

Google Scholar: <https://scholar.google.com/citations?user=GkzT4uAAAAAJ&hl=en>

Chung, J., Donovan, S., **Bezerra, J.**, Morgan, H., Ibarra, J., Clark, R., and Owen, H. 2019. "Novel Network Services for Supporting Big Data Science Research," Future Generation Computer Systems (98), pp. 512-521, Paper, <https://www.sciencedirect.com/science/article/pii/S0167739X18314651>

Bezerra, J., Ibarra, J., Boertjes, D., Santillo, F., Williford, L., Morgan, H., Cox, C., and Lopez, L. 2019. "Mitigating Soft Failures Using Network Analytics and SDN to Support Distributed Bandwidth-Intensive Scientific Instruments over International Networks," in: *SubOptic Conference 2019*. New Orleans, LA.

Morgan, H., Ibarra, J., **Bezerra, J.**, Lopez, L.F., Chergarova, V., Cox III, D.A., Alvarez, G.E., Stanton, M., Hazin, A., Lotz, L. and Mammen, S., "AARCLight–New opportunities for

South Atlantic R&E Network collaboration between Africa, Brazil, and the US". Presented at UbuntuNet-Connect Conference 2018 Zanzibar, Tanzania, November 22-23, 2018.
<https://events.ubuntunet.net/event/16/contributions/149/>

Newman, H., Balcas, J., Putaswamy, S., Vlimant, J.-R., Pata, J., Lordache, C., Anderson, S., Chang, J., Boyd, D., Watanabe, L., Williams, D. S., Anderson, C., Mughal, A., Kantor, J., Kollross, M., Ibarra, J., **Bezerra**, J., Arcanjo, V., Zahir, A., Morgan, H., Yang, R., Xiang, Q., Zhang, J., Wang, X. T., Guo, D., Yu, D., Wang, M., Leet, C., Chen, S., Le, F., Lim, Y.-S., Pourbaix, Y. D., Mishra, V., Lehman, T., Yang, X., Defanti, T., Smarr, L., Graham, J., Hutton, T., Wuerthwein, F., Papadopoulos, P., Monga, I., Guok, C., Macauley, J., Sim, A., Hazen, D., Novaes, S., Iope, R., Leal, B., Gomes, M., Beruchi, A., Mambretti, J., Chen, J., Szalay, A., Malenstein, G. V., Demar, P., Winkler, L., McKee, S., Yeh, E., Ranliu, Papadopoulos, C., Shannigrahi, S., Zhang, L., Jashal, B., Mazumdar, K., Reese, D., John Hess, L. F., Lopez, L., Stanton, M., Moura, A., Jaque, S., Astudillo, A., Lyonnais, M., Wilson, R., Wilby, N. & Williford, L. "NRE-16: Global Petascale to Exascale Science Workflows Accelerated by Next Generation SDN Architectures and Applications". Demonstration at Supercomputing Conference 2018 (SC18). Dallas, TX, November 12-15, 2018. <https://sc18.supercomputing.org/experience/scinet/network-research-exhibition/>

Newman, H., Balcas, J., Putaswamy, S., Vlimant, J.-R., Pata, J., Lordache, C., Anderson, S., Anderson, C., Mughal, A., Kantor, J., Ibarra, J., **Bezerra**, J., Arcanjo, V., Zahir, A., Morgan, H., Defanti, T., Smarr, L., Graham, J., Hutton, T., Wuerthwein, F., Papadopoulos, P., Monga, I., Guok, C., Macauley, J., Novaes, S., Iope, R., Leal, B., Gomes, M., Beruchi, A., Mambretti, J., Reese, D., Hess, J., Fox, L., Lopez, L., Stanton, M., Moura, A., Jaque, S., Astudillo, A., Lyonnais, M., Wilson, R., Wilby, N. & Williford, L., "NRE-17: Large Synoptic Survey Telescope (LSST) Real Time Low Latency Transfers for Scientific Processing Demonstrations". Demonstration at Supercomputing Conference 2018 (SC18). Dallas, TX, November 12-15, 2018.
<https://sc18.supercomputing.org/experience/scinet/network-research-exhibition/>

Newman, H., Morgan, H., Ibarra, J., Cox, D., & **Bezerra**, J., "NRE-18: Americas Lightpaths Express and Protect Enhances Infrastructure for Research and Education". Demonstration at Supercomputing Conference 2018 (SC18). Dallas, TX, November 12-15, 2018. Paper <https://sc18.supercomputing.org/experience/scinet/network-research-exhibition/>

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., Petrvick, 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, (pp. 34-37)

Xu, C., Wu, X., Luo, Y., Tierney, B., **Bezerra, J.** "Pepple: Programmable network measurement for troubleshooting soft failures". In IEEE Sarnoff Symposium, 2016 37th (pp. 136-141). IEEE. Newark, NJ, USA.

Bezerra, J., Galiza, H., Ibarra, J., Schwarz, M. "AmLight's OpenFlow Sniffer dissected: Troubleshooting production networks." In Anais do WPEIF 2016 Workshop de Pesquisa Experimental da Internet do Futuro (p. 33), 2016, Salvador, BA, Brazil.

Galiza, H., Schwarz, M., **Bezerra, J.**, & Ibarra, J. "Moving an IP network to SDN: a global use case deployment experience at AmLight." In Anais do WPEIF 2016 Workshop de Pesquisa Experimental da Internet do Futuro (p. 15), Salvador, BA, Brazil.

Hendriks, L., Schmidt, R. D. O., Sadre, R., **Bezerra, J.**, Pras, A. "Assessing the Quality of Flow Measurements from OpenFlow Devices". 2016 Network Traffic Measurement and Analysis Conference. Louvain La Neuve, Belgium.

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," in Software Defined Networking (SDN) for Scientific Networking Workshop, Nov. 2015, pp. 1-7

Ibarra, J., **Bezerra, J.**, Morgan, H., Lopez, L., Cox, D., Stanton, M., Machado, I., Grizendi, E. "Benefits brought by the use of OpenFlow/SDN on the AmLight intercontinental research and education network". IFIP/IEEE International Symposium on Integrated Network Management (IM) (pp. 942-947). IEEE, 2015. Ottawa, ON, Canada.

Bezerra, J. "Mobilidade IP com o protocolo LISP: avaliação prática". Master Defense in Mechatronics, Engineering School/Federal University of Bahia, 2012

Bezerra, J., Bouças, M. "Monitoramento de serviços Web distribuídos com Zabbix". VI Workshop de Tecnologia da Informação das Instituições Federais de Ensino Superior – Goiania, Brazil, 2012

Barreto, C., **Bezerra, J.** "Relato sobre a experiência do CPD da UFBA na gestão do ambiente de EAD usando o Moodle". VI Workshop de Tecnologia da Informação das Instituições Federais de Ensino Superior – Goiania, Brazil, 2012

Valcy, I., **Bezerra, J.** "TRAIRA: Tratamento de Incidentes de Rede Automatizado". V Workshop de Tecnologia da Informação das Instituições Federais de Ensino Superior – Florianopolis, Brazil, 2011

Valcy, I., Barreto, L. P., **Bezerra, J.** "Tratamento Automatizado de Incidentes de Segurança da Informação em Redes de Campus". XI Simpósio Brasileiro em Segurança da Informação e de Sistemas Computacionais (SBSeg) - Brasília/Brasil, 2011

Bezerra, J., Barreto, L., Mendonça, L., Alvez, C., Freitas, H. "LISP as a solution for Internet scalability". I Workshop Research of the Future Internet, Gramado/Brazil, 2010.

Bezerra, J. "Estudo sobre Segurança de Camada de Enlace em Redes de Campus". Under graduation final work, Institute of Mathematics, Federal University of Bahia, Brazil. Defended in June, 2009.

Ramos, G., **Bezerra, J.**, Teixeira, J., Farias, R., & Salles, T. Data Warehouse e Data Mining, Institute of Mathematics, Federal University of Bahia/Brazil, 2009.

Bezerra, J. "Serviço de E-Mail Redundante da UFBA". I Workshop de Tecnologia da Informação das Instituições Federais de Ensino Superior - Salvador Brazil, 2007

STUDENT MENTORING

- 2019 Hajikhani, Mehdi; Degree seeking BS Florida International University
Gonzalez, Roicxy A.; Degree seeking BS Florida International University
FIU VIP Graduates Project: AmLight ExP - Learning OpenFlow/SDN network Research and Experimentation.
- 2017 Suri, Nalin; Degree seeking BS Florida International University
Alcocer, Pablo; Degree seeking BS Florida International University
NSF Research Experience for Undergrads (REU) supplement to IRNC Backbone:
AmLight ExP project with a concentration in Software Defined Networking.
- 2016 Lazarre, Jahkell; Degree seeking MS Florida International University
Lyons, Steven; Degree seeking Ph.D. Florida International University
FIU VIP Graduates Project: AmLight ExP project with a concentration in Software Defined Networking.
- 2015 Cruz, Jose; Degree seeking BS Florida International University
Feldbeine, Zeev; Degree seeking BS Florida International University
NSF Research Experience for Undergrads (REU) supplement to IRNC Backbone:
AmLight ExP project with a concentration in Software Defined Networking.
- 2014 Marin, Marcelo; Degree seeking MS Florida International University
Mcnab, Dwayne; Degree seeking BS Florida International University
Network Interns: AmLight ExP project with a concentration in Software Defined Networking.

STUDENT THESIS CO-ADVISING

- 2011 Thiago Lima Bomfim de Jesus; Graduate BS Computer Science at Federal University of Bahia (UFBA)
Thesis: Automated activity detection and containment Malicious code in campus networks: UFBA case (Detecção e contenção automatizada de atividade maliciosa em redes de campus: caso UFBA)
Advisor: Prof. Dr. Luciano Porto Barreto

- 2010 Delson Antonio do Rosario Filho; Graduate BS Computer Science at Federal University of Bahia (UFBA)
 Thesis: Detection of equipment with NAT or DHCP using sFlow (Deteccao de equipamentos com NAT ou DHCP utilizando sFlow)
 Advisor: Prof. Dr. Luciano Porto Barreto
- 2010 Italo Valcy da Silva Brito; Graduate BS Computer Science at Federal University of Bahia (UFBA)
 Thesis: TRAIRA: a tool for Automated Incident Handling (TRAIRA: uma ferramenta para Tratamento de Incidentes de Rede Automatizado)
 Advisor: Prof. Dr. Luciano Porto Barreto
- 2009 Humberto Silva Galiza de Freitas; Graduate BS Computer Science at Federal University of Bahia (UFBA)
 Thesis: The scalability of the Internet and a new perspective of routing with the LISP protocol (A escalabilidade da Internet e uma nova perspectiva de roteamento com o protocolo LISP)
 Advisor: Prof. Dr. Luciano Porto Barreto

STUDENT THESIS EVALUATOR

- 2009 Eduardo Ramos dos Santos Júnior; Graduate BS Computer Science at Federal University of Bahia (UFBA)
 Thesis: Performance Analysis of a Name Server Authoritative for ENUM applications with support for DNSSEC (Análise de Desempenho de um Servidor de Nomes Autoritativo para aplicações ENUM com suporte a DNSSEC)
 Advisor: Prof. José Augusto Suruagy Monteiro
- 2009 Ricardo Jose de Sousa Farias Junior; Graduate BS Computer Science at Federal University of Bahia (UFBA)
 Thesis: Curupira-IDS: An Intelligent Intrusion Detection System (Curupira-IDS: Um Sistema de Detecção de Intrusão Inteligente)
 Advisor: Prof. Dr. Luciano Porto Barreto

PRESENTATIONS SESSIONS AT TECHNICAL AND SCIENTIFIC MEETINGS

- J. Ibarra, H. Morgan, C. Cox, J. Bezerra. "AmLight: AmLight-ExP Links, Express route activation, In-band network telemetry". SAACC Meeting, Santiago, Chile. April 2019
- J. Bezerra, R. Pescador. "AmLight: Performance monitoring and measurement". SAACC Meeting, Santiago Chile. April 2019
- J. Ibarra, H. Morgan, C. Cox, J. Bezerra. "Global 100G: ANA-100G, GÉANT, RedCLARA/RNP, SINET Push for Greater Connectivity Around the Globe". 2019 Internet2 Global Summit, Washington, D.C. March 2019
- J. Ibarra, H. Morgan, C. Cox, J. Bezerra. "Americas Summit of Academic Networks". Americas Summit of Academic Networks, Mexico City, Mexico. January 2019

- J. Ibarra, H. Morgan, C. Cox, J. Bezerra. "AmLight Express and Protect (AmLight-ExP): Enabling Research and Education in the Americas via cooperation and collaboration". TICAL2018, Cartagena de Indias, Colombia. July 2018
- B. Leal, J. Bezerra. "Using Kytos SDN platform to enhance international big data transfers". Computing in High Energy and Nuclear Physics (CHEP 2018) Conference, Sofia, Bulgaria. July 2018
- J. Bezerra, A. Francisco, R. Mutitsuki. "AmLight's SDN Looking Glass - An SDN centralized monitoring system". TERENA Network Conference (TNC18), Trondheim, Norway. June 2018
- J. Ibarra, H. Morgan, C. Cox, J. Bezerra. "AmLight Express and Protect (AmLight-ExP)". Internet2 Global Summit, San Diego, CA. May 2018
- J. Ibarra, H. Morgan, C. Cox, J. Bezerra. "South American Astronomy Coordination Committee (SAACC) Meeting". SAACC Meeting (virtual). May 2018
- J. Bezerra, V. Arcanjo. "AmLight SDN/SDX: Updates SAACC 2018". SAACC Meeting (virtual). May 2018
- J. Chung, S. Donovan, J. Bezerra, H. Morgan, J. Ibarra, R. Clark, H. Owen. "Novel Network Services for Supporting Big Data Science Research". 12th Gateway Computing Environments Conference, Ann Arbor, MI. October 2017
- J. Bezerra, J. Kantor, S. Jaque, L. Corral, V. Arcanjo, J. Ibarra, R. Lambert, M. Kollross, A. Astudillo, S. Sobhani, D. Petravick, H. Morgan and L. Lopez. "International Networking in support of Extremely Large Astronomical Data-centric Operations". ADASS 2017, Santiago, Chile. October 2017
- J. Bezerra, A. Francisco, R. Mutitsuki. "AmLight's SDN Looking Glass – A Network Monitoring System for SDN Networking". I2 TechEx, San Fransisco, CA. October 2017
- S. Donovan, R. Clark, J. Bezerra. "From Network Administrator to Domain Scientist: Challenges with creating usable high speed network". I2 TechEx, San Fransisco, CA. October 2017
- J. Bezerra. "GOLE Updates: AMPATH". 17th Annual Global LambdaGrid Workshop, Sydney, Australia. September 2017
- J. Bezerra, A. Francisco. "AmLight's SDN Looking Glass: Centralizing SDN monitoring for troubleshooting". 17th Annual Global LambdaGrid Workshop, Sydney, Australia. September 2017
- H. Morgan, J. Bezerra. "Large Synoptic Survey Telescope (LSST) Scaling Issues and Network Needs". First National Research Platform Workshop, Bozeman, MT. August 2017
- J. Bezerra, "Handling Network Events in a Production SDN Environment", TERENA Network Conference (TNC17) 2017, Linz, Austria, June 2017

- H. Morgan, J. Ibarra, J. Bezerra, H. Galiza, M. Schwarz, "Mitigating the Risks of Supporting Multiple Control Planes in a Production SDN Network: A Use Case", SBRC/WPEIF 2017, Belem, Brazil, May 2017
- M. Schwarz, J. Bezerra. "Inter-domain SDN Data Plane Validation: Next Steps at AmLight", Internet2 Global Summit 2017, Washington, DC, April 2017
- J. Bezerra, S. Donovan, R. Clark, "Design and Demo of AtlanticWave/SDX", Super Computing Conference SC16, Salt Lake City, UT, Nov 2016
- J. Bezerra, S. Donovan, R. Clark, "Challenges When Designing A Distributed SDX", Meeting with Software Defined Exchange Working Groups, Princeton University, NJ, Oct 2016
- J. Ibarra, H. Morgan, D. Cox, J. Bezerra. "AmLight backbone transition to SDN: Celebrating the second anniversary", Global Lambda Interconnection Facility Workshop, Miami, FL, Sep 2016
- S. Donovan, R. Clark, J. Bezerra. " Challenges When Designing a Distributed SDX", Internet2 Technology Exchange, Miami, FL, Sep 2016
- J. Bezerra, M. Schwarz. "Troubleshooting AmLight: Handling Network Events in a Production SDN Environment", Internet2 Technology Exchange, Miami, FL, Sep 2016
- J. Ibarra, H. Morgan, D. Cox, J. Bezerra. "Creating New Opportunities for U.S.-Latin America R&E Collaborations", Internet2 Technology Exchange, Miami, FL, Sep 2016
- C. Griffin, J. Bezerra. "Interconnecting Spectrum Between Multiple Domains to Support Science Applications: A Use case", Internet2 Technology Exchange, Miami, FL, Sep 2016
- J. Bezerra. "Assessing the Quality of Flow Measurements from OpenFlow Devices", Internet2 Technology Exchange, Miami, FL, Sep 2016
- H. Galiza, M. Schwarz, J. Ibarra, J. Bezerra. "Deploying SDN experiments in Latin America: the ONOS and SDN-IP application use case at AmLight", TICAL2016, Buenos Aires, Argentina, Sep 2016
- H. Galiza, M. Schwarz, J. Ibarra, J. Bezerra. "Moving an IP network to SDN: A global use case deployment experience at AmLight", SBRC/WPEIF 2016, Salvador, Brazil, Jun 2016
- J. Ibarra, J. Bezerra, H. Galiza, M. Schwarz. "AmLight's OpenFlow Sniffer dissected: Troubleshooting production networks", SBRC/WPEIF 2016, Salvador, Brazil, Jun 2016
- J. Ibarra, H. Morgan, D. Cox, J. Bezerra. "International Research Network Connections", Internet2 Global Summit 2016, Chicago, IL, May 2016
- J. Ibarra, H. Morgan, D. Cox, J. Bezerra. "SDN Optimized Advanced Network Services for Experiments", Internet2 Global Summit 2016, Chicago, IL, May 2016

- J. Bezerra. "ONOS Lightning Talk: Migrating AmLight from Legacy to SDN: Challenges, Results and Next Steps", Open Networking Summit 2016, Santa Clara, CA, Mar 2016
- J. Bezerra. "AtlanticWave-SDX: An International SDX to Support Science Data Applications", Super Computing Conference SC15, Austin, TX, Nov 2015
- J. Bezerra. "SDN Testbeds @ AmLight: One Year Later", Second SwitchOn Workshop Sao Paulo, Brazil, Oct 2015
- J. Bezerra. "SDN tools at AmLight: an OpenFlow sniffer", Internet2 Technology Exchange, Oct 2015
- J. Bezerra, M. Schwarz. "Coexisting Production and Experimental Testbeds at AmLight: A Secure Approach", Internet2 Technology Exchange, Oct 2015
- J. Bezerra. "Running production and experimentation on at AmLight SDN", 15th Annual Global LambdaGrid Workshop, Sep 2015
- H. Galiza, J. Bezerra. "AmLight SDN: Updates since last year", CLARA Tech 2015, Viña Del Mar, Chile, Jul 2015
- J. Bezerra. "SDN @ AmLight: One year later", NITRD Workshop, Berkeley, CA, Jul 2016
- J. Ibarra, H. Morgan, J. Bezerra. "Use of SDN in the AmLight intercontinental research and education network", TERENA /TNC15 Porto, Portugal, June 2015
- J. Bezerra. "Benefits brought by the use of OpenFlow/SDN in the AmLight intercontinental research and education network", IFIP/IEEE IM2015 Ottawa, Canada, May 2015
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