

Christopher C. Lamb

CONTACT INFORMATION	Christopher C. Lamb 7400 Yarwood St. NE Albuquerque, NM 87109	home: 505.284.2379 mobile: 505.228.8090 e-mail: cclamb@ece.unm.edu
EDUCATION	Ph.D Computer Engineering <i>University of New Mexico</i> <ul style="list-style-type: none">• Concentration: Computational Intelligence• Advisor: Professor Greg Heileman• Dissertation Topic: Information Protection in Content-centric Networks M.S. Computer Science , University of New Mexico B.S. Mechanical Engineering , New Mexico State University	December 2012
CERTIFICATIONS	TOGAF 9 Certified Enterprise Architect Certified Information Systems Security Professional (CISSP)	
CLEARANCES	I currently hold a DOE Q Clearance.	
REPOSITORIES	github http://www.github.com/cclamb An assortment of public and private repositories, demonstrating active and recent development efforts using Ruby, Python, Node.js, ASM/C/C++, and Erlang in embedded, distributed, and cloud environments.	
RESEARCH INTERESTS	Dynamic Security Provisioning in Cloud Environments Software Defined Networks and Infrastructure Security in Cloud Robotics and Autonomous Systems	
EXPERIENCE	Sandia National Laboratories , Albuquerque, New Mexico <i>Principal, Research & Development, Computer Science</i> <i>Limited Term Employee</i> <i>Contractor, RESPEC</i> I most recently developed international-scale system architectures focused on protecting the federal enterprise, outlined strategies for emerging technologies (Cloud, Mobile), advised on specific counter-measure strategies and system implementation, and prototyped large scale (10^6) event data analysis, visualization, and mining systems; was also engaged in micro-controller engineering (PIC32, PIC16), service-oriented system architecture, design, and development, general software engineering, and software project management. The University of New Mexico , Albuquerque, New Mexico <i>Research Assistant Professor</i> Most recently focused on dynamic security provisioning within large scale cloud systems ranging from storage to network to consumption, ARM TrustZone and roots of trust, cloud robotic systems, and software-defined networking. Also responsible for guiding graduate student research, helping with papers, and sitting on committees. Oso Grande Technologies , Albuquerque, New Mexico <i>Vice President, Software Engineering</i> <i>Manager, Software Engineering</i> At Oso Grande Technologies I led a multi-disciplinary team brokering information via web services between national insurance aggregators and state governments; was responsible for profitability, business development, and technical architecture and development.	April 2008 – Present October 2005 – April 2008 March 2004 – October 2005

LANGUAGES AND FRAMEWORKS	Python (OpenStack, Pox)
	Ruby (Sinatra, Rails)
	HTML5/CSS/Javascript (D3, JQuery, extjs)
	Javascript (Node.js)
	Java (OSGi, JEE, Project Floodlight)
	C/C++ (PIC/MPLAB, GNU/ARM, GNU/Linux)
PATENTS	System and Methods for Usage Management in Multi-Level Security Networks (2013)
	System and Methods of Resource Usage using an Interoperable Management Framework (2012)
	System and Methods for Usage Management of Personal Medical Records (2011)
SELECTED PUBLICATIONS	Viswanath Nandina, Jose Marcio Luna, Edward J. Nava, Christopher C. Lamb, Gregory L. Heileman, and Chaouki T. Abdallah. Policy-based security provisioning and performance control in the cloud. In <i>Cloud Computing and Services Science, 2013 4th International Conference on</i> , May 2013.
	Christopher Lamb and Gregory Heileman. Content-centric information protection in cloud computing. <i>International Journal of Cloud Computing and Services Science</i> , 2(1):246–257, 2012.
	Christopher C. Lamb, Pramod A. Jamkhedkar, and Gregory L. Heileman. <i>Digital Rights Management: Technology, Standards and Applications</i> . Auerbach Publications, 2013.
	C.C. Lamb and G.L. Heileman. Overlay architectures enabling cloud computing for multi-level security environments. In <i>Services (SERVICES), 2012 IEEE Eighth World Congress on</i> , pages 116–124, june 2012.
	P.A. Jamkhedkar, C.C. Lamb, and G.L. Heileman. Usage management in cloud computing. In <i>Cloud Computing (CLOUD), 2011 IEEE International Conference on</i> , pages 525–532, july 2011.