



Curriculum Vitae

Faculty Name: Kiranmai Bellam **Work Address:** P.O. Box 519; MS 2515
Prairie View, TX 77446

Position Title: Associate professor
Office Location: SR Collins Suite 317
Office Phone: 936-261-9883
Email Address: kibellam@pvamu.edu

Education:	Degree and Area of Study	Institution Name	Degree Date
	Ph.D., Computer Science	Auburn University	May 2009
	M.S., Computer Science	New Mexico Tech	Dec 2006
	B.S., Information Technology	Madras University	Dec 2003

Teaching Experience	Position Title	Institution Name	Position Dates (Beginning and End)
	Associate Professor	Prairie View A & M University	Sept 2015 - Present
	Assistant Professor	Prairie View A & M University	Aug 2009 - 2015

Professional Publications: K. Bellam, Y. Yang, S. Frizell and T. Robinson, "Storage disk systems energy conservation and reliability improvement", *International Journal on Recent and Innovation Trends in Computing and Communication*, Vol. 2, 2014

K. Bellam, "Cloud Based Data Backup of DFDR's for Emergency and Safety protocols", International Conference on Safety By Design (Abstract) (ICSBD 2013), August 2013

Y. Yang, L. Li, and K. Bellam, "VMATHLAB, a 3D-Game-Like System for College Math Learning Enhancement," *International Journal of Computer Theory and Engineering* vol. 4, no. 4, pp. 579-583, 2012

A. Lodgher, K. Bellam, "Teaching Innovation to Graduate Students in Computer Information Systems (CIS)", *Communications of the International Information Management Association (CIIMA)*, 2012

A. Lodgher and K. Bellam "Design and Implementation of CRM Applications using open source SugarCRM", 23rd Annual International Information Management Association (IIMA), October 2012

M. Nijim, Y. Lee, and K. Bellam, "HyBuM: Hybrid Energy Efficient Architecture for Mobile Storage Systems", 9th IEEE International Conference on Information Technology: New Generations, Las Vegas, Nevada, April 2012

A. Lodgher and K. Bellam, "Emerging Consumer Technology Applications developed at PVAMU", IEEE Consumer Communications & Networking Conference (CCNC), Las Vegas, Nevada, Jan 2012

K. Bellam, "Effects of Power State Transitions on Reliability and Energy Efficiency of Parallel Storage Systems", High Performance Computing & Simulation Conference (HPCS 2011), July 2011

K. Bellam and X. Qin "Reliability Aware Power Conservation Model for Storage Systems", 4th IEEE Intn'l Conf on Computer Science and Information Technology (ICCSIT 2011), June 2011

M. Nijim, Z. L. Zong, K. Bellam, S. Yin, and X. Qin, "Quality of Security Adaptation in Parallel Disk Systems", *Journal of Parallel and Distributed Computing*, Vol, 71, Issue 2, pp. 288-301, Feb. 2011

F. Shen, X. Qin, A. Salazar, A. Manzanares, and K. Bellam, "An Energy-Efficient Reliability Model for Parallel Disk Systems," *Sixth Int'l Conf. Information Technology*, Las Vegas, Nevada, Apr. 2009

X.-J. Ruan, A. Manzanares, K. Bellam, X. Qin and Z. Zong, "DARAW: A New Write Buffer to Improve Parallel I/O Energy-Efficiency," *Proc. 24th Annual ACM Symposium on Applied Computing*, Honolulu, Hawaii, March 2009.

X. Qin, M. Alghamdi, M. Nijim, Z.-L. Zong, K. Bellam, X.-J. Ruan, and A. A. Manzanares, "Improving Security of Real-Time Wireless Networks through Packet Scheduling," *IEEE Transactions on Wireless Communications*, vol. 7, no. 9, pp. 3273-3279, Sept. 2008

K. Bellam, A. Manzanares, X. Ruan, and X. Qin, "Integrating Security and Reliability in Real-time Embedded Systems", *Journal of Autonomic and Trusted Computing(JoATC)*, Mar 2008.

A. Roth, A. Manzanares, **K. Bellam**, X. Qin, X. Ruan and M. Nijim, "Energy Conservation for Real-Time Disk Systems with I/O Burstiness," *Proc. IEEE Int'l Workshop Next Generation Autonomous Storage and High Performance Computing*, St. Thomas, Virgin Islands, Aug. 2008.

M. Nijim, X. Qin, Z.-L. Zong, X.-J. Ruan and K. Bellam, "Security-Aware Cache Management for Cluster Storage Systems," *Proc. the 17th Int'l Conf. Computer Communications and Networks (ICCCN)*, St. Thomas, Virgin Islands, Aug. 2008.

K. Bellam, A. Manzanares, X. Ruan, X. Qin, and Y.-M. Yang, "Improving Reliability and Energy Efficiency of Disk Systems via Utilization Control," *Proc. IEEE Symposium on Computers and Communications (ISCC'08)*, Marrakech, Morocco, July 2008. [Best Paper Award]

**Additional
Trainings/Skills:** None