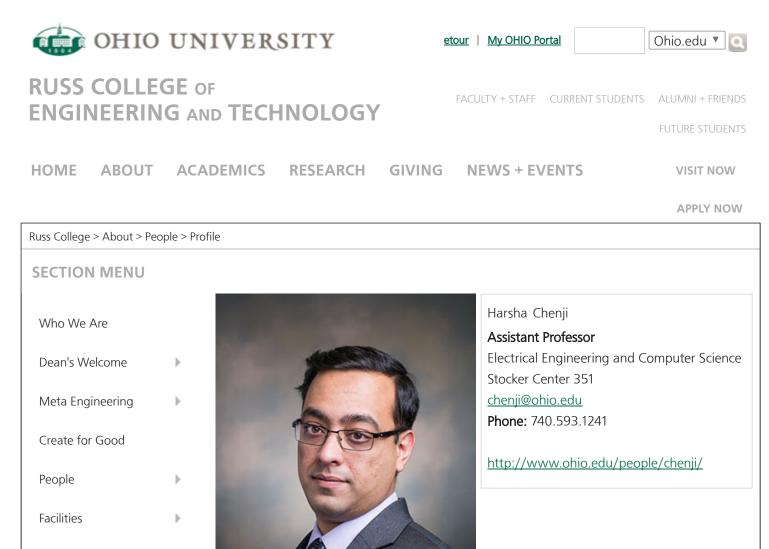
Harsha Chenji



Multimedia

Research Interests: wireless mobile and sensor networks, mobile computing, cyber-physical systems, systems research

Technical Report (1)

Chenji, H., Hassanzadeh, A., Won, M., Li, Y., Zhang, W., Yang, X., Stoleru, R., Zhou, G. (2011). A wireless sensor, adhoc and delay tolerant network system for disaster response. Technical Report LENSS-09-02.

Conference Proceeding (16)

Saadou, A., Chenji, H. (2017). A Network-centric Model of Situational Awareness.
 36th Military Communications Conference (MILCOM), 2017.

8/24/2017

Harsha Chenji

- Atakora, M., Chenji, H. (2017). Overcoming Alignment Delay in RF+FSO Networks. 13th International Wireless Communications and Mobile Computing Conference (IWCMC).
- Atakora, M., Chenji, H. (2016). Optimal Multicasting in Hybrid RF/FSO DTNs. 2016 IEEE Global Communications Conference: Optical Networks and Systems (Globecom2016 ONS).
- Chenji, H., Stewart, G., Wu, Z., Javaid, A., Devabhaktuni, V., Bhasin, K., Wang, B. (2016). An architecture concept for cognitive space communication networks. 34th AIAA International Communications Satellite Systems Conference (ICSSC).
- Wu, Z., Chenji, H., Stewart, G., Javaid, A., Devabhaktuni, V., Bhasin, K., Wang, B. (2016). Intelligent Channel Sensing based Secure Cross Layer Cognitive Networking for Resilient Space Communication. 2016 National Aerospace and Electronics Conference (NAECON).
- Chenji, H., Haas, Z. (2015). Enhancement of wireless bandwidth utilization through user's QoE. Wireless Communications and Networking Conference (WCNC), 2015 IEEE; 2038–2043.
- Chenji, H., Haas, Z., Xue, P. (2015). Low Complexity QoE-aware Bandwidth Allocation for Wireless ContentDelivery. Tampa, USA: IEEE MILCOM; 425-431.
- Chenji, H., Stoleru, R. (2014). Pareto optimal cross layer lifetime optimization for Disaster Response Networks. IEEE COMSNETS; 1–8.
- Won, M., Stoleru, R., Chenji, H., Zhang, W. (2013). On optimal connectivity restoration in segmented sensor networks. EWSN; 131–148.
- Chenji, H., Smith, L., Stoleru, R., Nikolova, E. (2013). Raven: Energy aware QoS control for DRNs. 464–471.
- Nikolova, E., Stoleru, R., Smith, L., Chenji, H. (2013). Raven: Energy aware QoS control for DRNs. 464–471.
- Chenji, H., Zhang, W., Won, M., Stoleru, R., Arnett, C. (2012). A wireless system for reducing response time in Urban Search & Rescue. 215–224.
- Wang, D., Ahmadi, H., Abdelzaher, T., Chenji, H., Stoleru, R., Aggarwal, C. (2011). Optimizing quality-of-information in cost-sensitive sensor data fusion. 1–8.
- Stoleru, R., Wu, H., Chenji, H. (2011). Secure neighbor discovery in mobile ad hoc networks. 35–42.
- Chenji, H., Stoleru, R. (2010). Mobile sensor network localization in harsh environments. IEEE DCOSS; 244–257.
- Chenji, H., Barooah, P., Stoleru, R., Kalmár-Nagy, T. (2008). Distributed cut detection in sensor networks. 373–374.

Book, Chapter in Scholarly Book (1)

• Chenji, H., Stoleru, R. (2014). *Delay-tolerant networks (DTNs) for emergency communications*. Advances In Delay-Tolerant Networks (DTNs): Architecture and Enhanced Performance; 105.

Journal Article, Academic Journal (10)

• Zhang, W., Suresh, M., Stoleru, R., Chenji, H., others, . (2014). On Modeling the Coexistence of 802.11 and 802.15. 4 Networks for Performance Tuning. *10.* Wireless Communications, IEEE Transactions on; 13: 5855–5866.

8/24/2017	Harsha Chenji
	 Chenji, H., Zhang, W., Stoleru, R., Arnett, C. (2013). DistressNet: A disaster response system providing constant availability cloud-like services. <i>8.</i> Ad Hoc Networks; 11: 2440–2460.
	 Chenji, H., Stoleru, R. (2013). Towards Accurate Mobile Sensor Network Localization in Noisy Environments. <i>99.</i> IEEE Transactions on Mobile Computing; 1–1. Barooah, P., Chenji, H., Stoleru, R., Kalmár-Nagy, T. (2012). Cut detection in wireless sensor networks. <i>3.</i> Parallel and Distributed Systems, IEEE Transactions on; 23: 483–
	 490. Stoleru, R., Wu, H., Chenji, H. (2012). Secure neighbor discovery and wormhole localization in mobile ad hoc networks. <i>7</i>. Ad Hoc Networks; 10: 1179–1190. Liao, C., Chenji, H., Barooah, P., Stoleru, R., Kalmár-Nagy, T. (2011). Detecting Separation in Robotic and Sensor Networks. arXiv preprint arXiv:1102.3396. George, S., Zhou, W., Chenji, H., Won, M., Lee, Y., Pazarloglou, A., Stoleru, R., Barooah, P. (2010). DistressNet: a wireless ad hoc and sensor network architecture for situation management in disaster response. <i>3</i>. Communications Magazine, IEEE;
	 48: 128–136. Chenji, H. (2010). Implementing a Real LoST Civic Database Using ALI Records. Chenji, H., Barooah, P., Stoleru, R., Kalmár-Nagy, T. (2008). Demo abstract: Distributed cut detection in sensor networks. 6th ACM Conference on Embedded Networked Sensor Systems (SenSys' 08). Kim, J., Song, W., Schulzrinne, H., Zacchi, A., Jain, A., Chenji, H., Magnussen, C., Norton, C., Magnussen, W., Schworer, I., others, . (2008). The Next Generation 9-1-1
	Proof-Of-Concept System. ACM SIGCOMM Demo.

Russ College of Engineering and Technology

Stocker Engineering and Technology Center 155 | Athens OH 45701 | Tel: 740.593.1474 | Fax: 740.593.0659 | Contact Us

Ohio University | 1 Ohio University | Athens OH 45701 | 740.593.1000 <u>ADA Compliance</u> | © 2017 <u>Ohio University</u>. All rights reserved.