

List of Publications - Piyush Harsh

- [1] R. Newman, P. Harsh, and P. Jayaraman, “Security analysis of and proposal for image-based authentication,” in *Security Technology, 2005. CCST '05. 39th Annual 2005 International Carnahan Conference on*, pp. 141–144. Oct., 2005.
- [2] P. Harsh and R. Newman, “Usability and acceptance of uf-iba, an image-based authentication system,” in *Security Technology, 2007 41st Annual IEEE International Carnahan Conference on*, pp. 285–291. Oct., 2007.
- [3] P. Harsh and R. Newman, “An overlay solution to ip multicast address collision prevention,” in *EuroIMSA '08: Proceedings of the IASTED International Conference on Internet and Multimedia Systems and Applications*, pp. 156–161. ACTA Press, Anaheim, CA, USA, 2008.
- [4] P. Harsh and R. E. Newman, “mdns - a proposal for hierarchical multicast session directory architecture,” in Arabnia and Clincy [5], pp. 31–37.
- [5] H. R. Arabnia and V. A. Clincy, eds., *Proceedings of the 2008 International Conference on Internet Computing, ICOMP 2008, Las Vegas, Nevada, USA, July 14-17, 2008*. CSREA Press, 2008.
- [6] P. Harsh and R. Newman, “Using geo-spatial session tagging for smart multicast session discovery,” in *SAC '09: Proceedings of the 2009 ACM symposium on Applied Computing*, pp. 22–27. ACM, New York, NY, USA, 2009.
- [7] P. Harsh and R. E. Newman, “Efficient distributed search for multicast session keywords,” in Arabnia and Clincy [8], pp. 67–73.
- [8] H. R. Arabnia and V. A. Clincy, eds., *Proceedings of the 2009 International Conference on Internet Computing, ICOMP 2009, July 13-16, 2009, Las Vegas Nevada, USA*. CSREA Press, 2009.
- [9] P. Harsh and R. Newman, *A Hierarchical Multicast Session Directory Service Architecture*, Nov 2009. <https://datatracker.ietf.org/doc/draft-mdns-rfc-informational/>. Internet Engineering Task Force, ID 19409.

- [10] P. Harsh and R. Newman, “Mode independent session directory service architecture: a unified approach for asm and ssm multicast networks,” in *SAC '10: Proceedings of the 2010 ACM Symposium on Applied Computing*, pp. 647–654. ACM, New York, NY, USA, 2010.
- [11] P. Harsh, R. Chow, and R. Newman, “Gray networking: a step towards next generation computer networks,” in *SAC '10: Proceedings of the 2010 ACM Symposium on Applied Computing*, pp. 1323–1328. ACM, New York, NY, USA, 2010.
- [12] P. Harsh and R. E. Newman, “Recovering from mdns domain failures,” in *Arabnia et. al.* [13], pp. 25–30.
- [13] H. R. Arabnia, V. A. Clincy, J. Lu, A. Marsh, and A. M. G. Solo, eds., *Proceedings of the 2010 International Conference on Internet Computing, ICOMP 2010, July 12-15, 2010, Las Vegas Nevada, USA*. CSREA Press, 2010.
- [14] L. Bhoobalan, K. and P. Harsh, “An Experimental Study and Analysis of Crowds based Anonymity,” in *The 2011 International Conference on Internet Computing*. Las Vegas, États-Unis, July, 2011.
<http://hal.inria.fr/inria-00626653/en/>.
- [15] P. Harsh, Y. Jégou, R. G. Cascella, and C. Morin, “Contrail virtual execution platform challenges in being part of a cloud federation - (invited paper),” in *Abramowicz et. al.* [16], pp. 50–61.
- [16] W. Abramowicz, I. M. Llorente, M. Surridge, A. Zisman, and J. Vayssière, eds., *Towards a Service-Based Internet - 4th European Conference, ServiceWave 2011, Poznan, Poland, October 26-28, 2011. Proceedings*, vol. 6994 of *Lecture Notes in Computer Science*. Springer, 2011.
- [17] R. G. Cascella, C. Morin, P. Harsh, and Y. Jegou, “Contrail: A reliable and trustworthy cloud platform,” in *Proceedings of the 1st European Workshop on Dependable Cloud Computing, EWDC '12*, pp. 6:1–6:2. ACM, New York, NY, USA, 2012.
<http://doi.acm.org/10.1145/2365316.2365322>.
- [18] P. Harsh, F. Dudouet, R. G. Cascella, Y. Jégou, and C. Morin, “Using Open Standards for Interoperability - Issues, Solutions, and Challenges

- facing Cloud Computing,” in *6th International DMTF Academic Alliance Workshop on Systems and Virtualization Management: Standards and the Cloud*. Las Vegas, États-Unis, Oct., 2012. <http://hal.inria.fr/hal-00720636>.
- [19] Y. Jégou, P. Harsh, R. Gioacchino Cascella, F. Dudouet, and C. Morin, “Managing OVF applications under SLA constraints on Contrail Virtual Execution Platform,” in *6th International DMTF Academic Alliance Workshop on Systems and Virtualization Management: Standards and the Cloud*. Las Vegas, États-Unis, Oct., 2012. <http://hal.inria.fr/hal-00721786>.
- [20] I. Trajkovska, P. Rodriguez, J. Cervio, P. Harsh, and J. Salvachua, “P2P incentive model for QoS based streaming systems,” in *The 11th Annual IEEE CCNC - P2P Networking and Cloud-based Content Distribution (CCNC 2014 - P2P Networking and Cloud-based Content Distribution)*. Las Vegas, NV, USA, Jan., 2014.
- [21] A. Cimmino, T. Pecorella, R. Fantacci, F. Granelli, T. F. Rahman, C. Sacchi, C. Carlini, and P. Harsh, “The role of small cell technology in future smart city applications,” *Trans. Emerging Telecommunications Technologies* **25** (2014) no. 1, 11–20.
- [22] I. Trajkovska, P. Harsh, T. M. Bohnert, and J. Salvachua, “Real-time streaming in the cloud can increase the provider’s profit and the P2P users’ benefit,” in *2014 IEEE International Conference on Consumer Electronics - Taiwan (IEEE ICCE-Taiwan 2014)*. Taipei, Taiwan, May, 2014.
- [23] P. Harsh, K. Benz, I. Trajkovska, A. Edmonds, P.-M. Comi, and T. Bohnert, “A highly available generic billing architecture for heterogenous mobile cloud services,” in *Proceedings of the 2014 International Conference on Grid & Cloud Computing & Applications, GCA ’14*, pp. 29–38. CSREA, 2014. <http://worldcomp-proceedings.com/proc/proc2014/gca.html>.
- [24] F. Dudouet, P. Harsh, S. Ruiz, A. Gomes, and T. M. Bohnert, “A case for cdn-as-a-service in the cloud: A mobile cloud networking argument,” in *Advances in Computing, Communications and*

Informatics (ICACCI, 2014 International Conference on, pp. 651–657.
Sept, 2014.

- [25] S. Patanjali, B. Truninger, P. Harsh, and T. M. Bohnert, “CYCLOPS: a micro service based approach for dynamic rating, charging & billing for cloud,” in *The 13th International Conference on Telecommunications (ConTEL 2015)*. Graz, Austria, July, 2015.