

Publications:

1. Ali Mohammadkhan, Sourav Panda, **Sameer G. Kulkarni**, K. K. Ramakrishnan, and Laxmi N. Bhuyan Mayutan. 2019. P4NFV: P4 Enabled NFV Systems with SmartNICs. In Proceedings of the 5th IEEE Conference on Network Functions Virtualization and Software Defined Networking (IEEE NFV-SDN 2019).
2. **Sameer G. Kulkarni**, Guyue Liu, K. K. Ramakrishnan, and Timothy Wood. 2019. Living on the Edge: Serverless Computing and the Cost of Failure Resiliency. In Proceedings of the 25th International Symposium on Local and Metropolitan Area Networks (LANMAN '19).
3. **Kulkarni, S.G.**, Liu, G., Ramakrishnan, K.K., Arumaithurai, M. Wood, T. and Fu, X. (2018). REINFORCE: Achieving Efficient Failure resiliency for Network Function Virtualization based Services. In Proceedings of the 14th International Conference on emerging Networking Experiment and Technologies (CoNEXT 2018), ACM, (pp. 41-53).
4. **Kulkarni, S.G.**, Zhang, W., Hwang, J., Rajagopalan, S., Ramakrishnan, K.K., Wood, T., Arumaithurai, M. and Fu, X. (2017). NFVnice: Dynamic Backpressure and Scheduling for NFV Service Chains. In Proceedings of the Conference of the ACM Special Interest Group on Data Communications (SIGCOMM 2017), ACM, pp. 71-84, Los Angeles, USA, August 2017.
5. **Kulkarni, S.G.**, Arumaithurai, M., Ramakrishnan, K.K. and Fu, X. (2017). REARM: Renewable energy based resilient deployment of Virtual Network Functions. In Proceedings of 26th European Conference on Networks and Communications (EuCNC 2017), IEEE, pp. 1-6, Oulu, Finland, June 2017.
6. Tasiopoulos, A., **Kulkarni, S.G.**, Arumaithurai, M., Psaras, I., Ramakrishnan, K.K., Fu, X. and Pavlou, G. (2017). DRENCH: A Semi-Distributed Resource Management Framework for NFV based Service Function Chaining. In Proceedings of IFIP Networking 2017 Conference (IFIP Networking 2017), pp. 1-9, Stockholm, Sweden, June 2017. (Joint First Author)
7. **Kulkarni, S.G.**, Arumaithurai, M., Ramakrishnan, K.K. and Fu, X. (2017). Neo-NSH: Towards scalable and efficient dynamic service function chaining of elastic network functions. In Proceedings of 20th Conference on Innovations in Clouds, Internet and Networks (ICIN 2017), IEEE, pp. 308-312, Paris, France, March 2017.
8. **Kulkarni, S.G.**, Arumaithurai, M., Tasiopoulos, A., Psaras, Y., Ramakrishnan, K.K., Fu, X. and Pavlou, G. (2016). Name enhanced sdn framework for service function chaining of elastic network functions. In Proceedings on IEEE Conference on Computer Communications Workshops (INFOCOM WKSHPS 2016), IEEE, pp. 45-46, San Francisco, CA, USA, April 2016.
9. Hwang, K., **Kulkarni, S.G.** and Hu, Y. (2009). Cloud security with virtualized defense and reputation-based trust management. In Proceedings of 8th IEEE International Conference on Dependable, Autonomic and Secure Computing (DASC 2009), IEEE, pp. 717-722, Chengdu, China, December 2009.