

# Thesis during summer vacation

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- Privacy-preserving communication for VANETs with conditionally anonymous ring signature
- An efficient conditionally anonymous ring signature in the random oracle model
- Secure anonymous key distribution scheme for smart grid
- User privacy and data trustworthiness in mobile crowd sensing
- An effective group formation in the cloud based on Ring signature
- k-Times Full Traceable Ring Signature
- Effective data sharing using advanced ring signature with forward security

[1] [2] [3] [4] [5] [6] [7]

## REFERENCES

- [1] S. Zeng, Y. Huang, and X. Liu, "Privacy-preserving communication for VANETs with conditionally anonymous ring signature," *International Journal of Network Security*, vol. 17, no. 2, pp. 135–141, Mar. 2015.
- [2] S. Zeng, S. Jiang, and Z. Qin, "An efficient conditionally anonymous ring signature in the random oracle model," *Theoretical Computer Science*, vol. 461, pp. 106–114, Nov. 2012.
- [3] J.-L. Tsai and N.-W. Lo, "Secure anonymous key distribution scheme for smart grid," *IEEE Trans. Smart Grid*, vol. 7, no. 2, pp. 906–914, June 2016.
- [4] D. He, S. Chan, and M. Guizani, "User privacy and data trustworthiness in mobile crowd sensing," *IEEE Wireless Communications*, vol. 22, no. 1, pp. 28–34, Feb. 2015.
- [5] V. Dhivya, H. Anandakumar, and M. Sivakumar, "An effective group formation in the cloud based on ring signature," in *Proc. IEEE ISCO 2015*. IEEE, Jan. 2015, pp. 1–4.
- [6] X. Bultel and P. Lafourcade, "k-times full traceable ring signature," in *Proc. IEEE ARES 2016*. IEEE, Aug. 2016, pp. 39–48.
- [7] E. Chandanapriya and G. Murali, "Effective data sharing using advanced ring signature with forward security," in *Proc. IEEE ICCES 2016*. IEEE, Oct. 2016, pp. 1–5.