

Unsourced multiple access: a survey

Le but de ce projet est d'étudier les différentes méthodes d'accès aléatoires et les nouveaux paradigmes émergents aussi bien en codage qu'en détection multi-utilisateurs.

- [1] Liva, Gianluigi and Yuri Polyanskiy. "Unsourced Multiple Access: A Coding Paradigm for Massive Random Access." *ArXiv abs/2408.09874* (2024): n. pag.
- [2] A. Fengler, P. Jung and G. Caire, "SPARCs for Unsourced Random Access," in *IEEE Transactions on Information Theory*, vol. 67, no. 10, pp. 6894-6915, Oct. 2021, doi: 10.1109/TIT.2021.3081189.
- [3] A. Fengler, S. Haghighatshoar, P. Jung and G. Caire, "Non-Bayesian Activity Detection, Large-Scale Fading Coefficient Estimation, and Unsourced Random Access With a Massive MIMO Receiver," in *IEEE Transactions on Information Theory*, vol. 67, no. 5, pp. 2925-2951, May 2021, doi: 10.1109/TIT.2021.3065291
- [4] M. Ozates, M. Kazemi, and T. M. Duman, "Unsourced Random Access Using ODMA and Polar Codes," *IEEE Wireless Commun. Lett.*, vol. 13, no. 4, pp. 1044–1047, Apr. 2024.
- [5] A. K. Pradhan, V. K. Amalladinne, K. R. Narayanan and J. -F. Chamberland, "Polar Coding and Random Spreading for Unsourced Multiple Access," *ICC 2020 - 2020 IEEE International Conference on Communications (ICC)*, Dublin, Ireland, 2020, pp. 1-6, doi: 10.1109/ICC40277.2020.9148687.