



NIT451 – Distributed Networks

We have focused on many key elements of distributed networks in our course: clocks, broadcast, consensus, etc. Each of these topics are areas of continuous and active research. The goal of the project is for you to discover some of this work for yourself and to demonstrate proficiency in reading and explaining recent research and its context.

Your report should be 3 pages in total total. The report must demonstrate both group members have read and understood the paper well.

The report should be **in your own words**: explain the problem the work solves; explain the context of the problem; situate the work with other related work; explain the key aspects of the work. The report should explain what makes the work interesting/exciting/promising; explain what limits the work; highlight any future directions that the work seems to put forward.

List of papers (each group should choose only one):

- Achour Mostéfaoui, Matthieu Perrin, Michel Raynal, Jiannong Cao, “Crash-Tolerant Causal Broadcast in $O(n)$ Messages” Information Processing Letters, Elsevier, 2019, 151, pp.1-9. 10.1016/j.ipl.2019.105837.
- Silvia Bonomi , Giovanni Farina, and Sébastien Tixeuil, “Reliable Broadcast in Dynamic Networks with Locally Bounded Byzantine Failures”.