

# **Distributed Network Synchronization**

**Author(s) - Institution(s):**

Arie Reichman, Ruppin

**Corresponding author email:** arier@ruppin.ac.il

**Corresponding WG group:** WG2, WG3

**Abstract:**

Synchronization in a wireless mesh communication network can be achieved by sending messages among nodes that include information regarding the time of the node and its accuracy. The nodes that receive such messages may adjust their time according to the received messages. This paper proposes a robust algorithm with two stages: acquisition and tracking, and applicability to any network architecture. The performance is presented by simulation results.