1145-VN-2322   **Mehmet Emin Aktas*** (`maktas@uco.edu`), 100 N University Drive, Box 129, Edmond, OK 73034. *Using Network Topology in Fingerprint Identification.* Preliminary report.

Classical fingerprint identification methods utilize three different levels of features: Level 1 features (pattern), Level 2 features (minutiae points) and Level 3 features (pores and ridge shape). In this paper, we report an on-going work concerning a new method of identification which uses network topology. We represent fingerprint as weighted networks and employ the network topology, that takes all these three level features into consideration, for fingerprint identification. (Received September 25, 2018)