

1145-94-1228 **Elie Alhajjar*** (eliealhajjar@gmail.com). *A Case Study of the Noordin Terrorist Network.*

In this talk we provide a new methodology to study dark networks. Our main idea is to transform a set of unweighted graphs into one weighted graph that encompasses the contributions of each actor. The goal is to identify the key players in the network based upon the metrics used. Our toy example is the Noordin terrorist network, whose data was published in 2006. We represent this network as a graph with 139 nodes connected through relations stemming from several attributes and we assign weights to the edges via a collapsing function. We then use this model to analyze the central components of the network. (Received September 20, 2018)