* **PLGP**: a clean-slate secure sensor network routing protocol by Parno et al.
* The original version of the protocol is vulnerable to Vampire attacks.
* PLGP consists of a topology discovery phase, followed by a packet forwarding phase.
* Discovery deterministically organizes nodes into a tree that will later be used as an addressing scheme
  + repeated on a fixed schedule
  + Discovery deterministically organizes nodes into a tree that will later be used as an addressing scheme
  + When discovery begins, each node has a limited view of the network—the node knows only itself. Nodes discover their neighbors using local broadcast, and form ever expanding “neighborhoods,” stopping when the entire network is a single group. Throughout this process, nodes build a tree of neighbor relationships and group membership that will later be used for addressing and routing.

PLGP

* At the end of **discovery**, each node should compute the same address tree as other nodes. All leaf nodes in the tree are physical nodes in the network, and their virtual addresses correspond to their position in the tree