

Résumé de l'article de François Ingelrest and David Simplot-Ryl Localized Broadcast Incremental Power Protocol for Wireless Ad Hoc Networks

Algorithm 1 LBIP setup phase

```

for each node  $N_i$  do
  Broadcast a HELLO message
end for
On receiving a message, put the sender in the 1-hop neighborhood
for each node  $N_i$  do
  Broadcast a HELLO message which contains the  $N_i$  1-hop neighborhood to compute the  $N_i$  2-hops
  neighborhood
end for
{each node has a BIP tree of its 2-hops neighborhood}

```

a

Algorithm 2 LBIP

```

The source node  $s$  sends a packet which contains instructions for relay nodes
if A node  $u$  receives a packet from a node  $v$  for the first time : then
  if The packet contains some instructions for  $u$  then
     $u$  starts constructing a BIP tree within its own 2-hop neighborhood with ranges previously com-
    puted
  end if
end if

```
