

## Analyse et conception d'algorithmes économes en énergie dans les réseaux de capteurs

Étudiants :

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### Les tâches à effectuer pour ce TER sont les suivantes :

Mieux cerner la problématique

Faire l'état de l'art. Lire les articles suivants :

- Toute l'équipe : *Julien Champ, Anne-Elisabeth Baert, and Vincent Boudet. Dynamic localized broadcast incremental power protocol and lifetime in wireless ad hoc and sensor networks. 2012*
- Toute l'équipe : *Julien Champ, Clément Saad, and Anne-Elisabeth Baert. Lifetime in wireless sensor networks*
- Toute l'équipe : *Wsnets : an event-driven simulator for large scale wireless sensor networks*
- Chloé Desdouits : *J.-H. Chang and L. Tassiulas. Energy conserving routing in wireless ad-hoc networks. INFOCOM, pages 22–31, 2000*
- Zahir Kali : *I. F. Akyildiz, W. Su, Y. Sankarasubramaniam, and E. Cayirci. Wireless sensor networks: a survey. Computer Networks, 4(38):393–422, 2002*
- Rabah Laouadi : *Q. Dong. Maximizing system lifetime in wireless sensor networks. IPSN '05: Proceedings of the 4th international symposium on Information processing in sensor networks, page 3, 2005*
- Samuel Rouquie : *V. Rodoplu and T.H. Meng. Minimum energy mobile wireless networks. Proc. of IEEE International Conference on Communications (ICC), 1998*

Faire la synthèse des connaissances acquises en lisant des articles

Programmation / simulation WSNET

Analyse des résultats de simulation



## Références

- [1] Wsnet : an event-driven simulator for large scale wireless sensor networks.
- [2] I. F. Akyildiz, W. Su, Y. Sankarasubramaniam, and E. Cayirci. Wireless sensor networks : a survey. *Computer Networks*, 4(38) :393–422, 2002.
- [3] Julien Champ, Anne-Elisabeth Baert, and Vincent Boudet. Dynamic localized broadcast incremental power protocol and lifetime in wireless ad hoc and sensor networks. 2012.
- [4] Julien Champ, Clément Saad, and Anne-Elisabeth Baert. Lifetime in wireless sensor networks.
- [5] Q. Dong. Maximizing system lifetime in wireless sensor networks. *IPSN '05 : Proceedings of the 4th international symposium on Information processing in sensor networks*, page 3, 2005.
- [6] J.-H.Chang and L.Tassiulas. Energy conserving routing in wireless ad-hoc networks. *INFOCOM*, pages 22–31, 2000.
- [7] V. Rodoplu and T.H. Meng. Minimum energy mobile wireless networks. *Proc. of IEEE International Conference on Communications (ICC)*, 1998.