

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

Nom du groupe : WSN

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Les tâches à effectuer pour ce TER sont les suivantes :

- Mieux cerner la problématique (toute l'équipe).
- Faire l'état de l'art. Lire les articles suivants :
 - Toute l'équipe : *J. Champ, A.E. Baert, and V. Boudet. Dynamic localized broadcast incremental power protocol and lifetime in wireless ad hoc and sensor networks. Wireless and Mobile Networking, pages 286–296, 2009*
 - Toute l'équipe : *J. Champ, C. Saad, and A.E. Baert. Lifetime in wireless sensor networks. In Complex, Intelligent and Software Intensive Systems, 2009. CISIS'09. International Conference on, pages 293–298. IEEE, 2009*
 - Toute l'équipe : *Wsnnet : an event-driven simulator for large scale wireless sensor networks*
 - Chloé Desdouits : *Jae-Hwan Chang and Leandros 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 (Samuel Rouquie).
- Réfléchir à de nouvelles solutions (toute l'équipe).
- Programmation / simulation WSNET (Chloé Desdouits, Rabah Laouadi, Zahir Kali).
- Analyse des résultats de simulation (toute l'équipe).

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] J. Champ, A.E. Baert, and V. Boudet. Dynamic localized broadcast incremental power protocol and lifetime in wireless ad hoc and sensor networks. *Wireless and Mobile Networking*, pages 286–296, 2009.
- [4] J. Champ, C. Saad, and A.E. Baert. Lifetime in wireless sensor networks. In *Complex, Intelligent and Software Intensive Systems, 2009. CISIS'09. International Conference on*, pages 293–298. IEEE, 2009.
- [5] Jae-Hwan Chang and Leandros Tassiulas. Energy conserving routing in wireless ad-hoc networks. *INFOCOM*, pages 22–31, 2000.
- [6] 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.
- [7] V. Rodoplu and T.H. Meng. Minimum energy mobile wireless networks. *Proc. of IEEE International Conference on Communications (ICC)*, 1998.