

เอกสารอ้างอิง

- [1] Philippe Bonnet, Johannes Gehrke, Tobias Mayr, and Praveen Seshadri. Query processing in a device database system. Technical Report TR99-1775, Cornell University, October 1999.
- [2] Cristian Borcea, Chalermek Intanagonwiwat, Porlin Kang, Ulrich Kremer, and Liviu Iftode. Spatial programming using smart messages: Design and implementation. In *Proceedings of the 24th International Conference on Distributed Computing Systems (ICDCS 2004)*, Tokyo, Japan, March 2004.
- [3] Cristian Borcea, Deepa Iyer, Porlin Kang, Akhilesh Saxena, and Liviu Iftode. Cooperative Computing for Distributed Embedded Systems. In *Proceedings of the 22nd International Conference on Distributed Computing Systems (ICDCS)*, pages 227–236, July 2002.
- [4] A. Boulis, C.Han, and M. Srivastava. Design and implementation of a framework for efficient and programmable sensor networks. In *Proceedings of the First International Conference on Mobile Systems, Applications, and Services (Mobisys 2003)*, pages 187–200, San Francisco, CA, May 2003.
- [5] Shimin Chen, Phillip B. Gibbons, and Suman Nath. Database-centric programming for wide-area sensor systems. In *International Conference on Distributed Computing in Sensor Systems (DCOSS)*, June 2005.
- [6] Dan Coffin, Dan Van Hook, Ramesh Govindan, John Heidemann, and Fabio Silva. Network routing application programmer's interface (api) and walk through 8.0. Technical Report 01-741, USC/ISI, March 2001.
- [7] Oracle Corporation. Pro*c/c++ precompiler programmer's guide release 9.2, 2002.

- [8] Martin Grabmuller. *Constraint Imperative Programming*. Diploma Thesis, Technische Universitat Berlin, 2003.
- [9] Ramakrishna Gummadi, Omprakash Gnawali, and Ramesh Govindan. Macro-programming wireless sensor networks using kairo. In *International Conference on Distributed Computing in Sensor Systems (DCOSS)*, June 2005.
- [10] John Heidemann, Fabio Silva, Chalermek Intanagonwiwat, Ramesh Govindan, Deborah Estrin, and Deepak Ganesan. Building efficient wireless sensor networks with low-level naming. In *Proceedings of the ACM Symposium on Operating Systems Principles*, Banff, Canada, October 2001.
- [11] Wendi Rabiner Heinzelman, Anantha Chandrakasan, and Hari Balakrishnan. Energy-efficient communication protocol for wireless microsensor networks. In *Proceedings of the Hawaii International Conference on System Sciences*, Maui, Hawaii, January 2000.
- [12] Liviu Iftode, Cristian Borcea, Andrzej Kochut, Chalermek Intanagonwiwat, and Ulrich Kremer. Programming computers embedded in the physical world. In *Proceedings of the 9th IEEE International Workshop on Future Trends of Distributed Computing Systems (FTDCS)*, San Juan, Puerto Rico, May 2003.
- [13] Chalermek Intanagonwiwat, Deborah Estrin, Ramesh Govindan, and John Heidemann. Impact of network density on data aggregation in wireless sensor networks. In *Proceedings of the International Conference on Distributed Computing Systems*, Vienna, Austria, July 2002. IEEE.
- [14] Chalermek Intanagonwiwat, Ramesh Govindan, and Deborah Estrin. Directed diffusion: A scalable and robust communication paradigm for sensor networks. In *Proceedings of the Sixth Annual ACM/IEEE International Conference on Mobile Computing and Networking (Mobicom'2000)*, Boston, Massachusetts, August 2000.

- [15] Chalermek Intanagonwiwat, Ramesh Govindan, Deborah Estrin, John Heidemann, and Fabio Silva, Directed Diffusion for Wireless Sensor Networking. *IEEE/ACM Transactions on Networking*, Volume 11, Issue 1, Pages 2-16. February, 2003.
- [16] Ulrich Kremer, Liviu Iftode, Jerry Hom, and Yang Ni. Spatial Views: Iterative Spatial Programming for Networks of Embedded Systems. Technical Report DCSTR-493, Rutgers University, June 2002.
- [17] Bhaskar Krishnamachari, Deborah Estrin, and Stephen B. Wicker. The impact of data aggregation in wireless sensor networks. In *DEBS'02*, pages 575–578, Vienna, Austria, July 2002.
- [18] P. Levis and D. Culler. A tiny virtual machine for sensor networks. In *Proceedings of the ACM Conference on Architectural Support for Programming Languages and Operating Systems (APLOS)*, October 2002.
- [19] Samuel Madden, Michael Franklin, Joseph Hellerstein, and Wei Hong. TAG: a Tiny AGgregation Service for Ad-Hoc Sensor Networks. In *Proceedings of the 5th Symposium on Operating Systems Design and Implementation (OSDI)*, December 2002.
- [20] Ryan Newton, Arvind, and Matt Welsh. Building up to macroprogramming: An intermediate language for sensor networks. In *Proceedings of the Fourth International Conference on Information Processing in Sensor Networks (IPSN'05)*, April 2005.
- [21] The Castle project. <http://www.cs.berkeley.edu/projects/parallel/castle/split-c/>.
- [22] Matt Welsh. Exposing resource tradeoffs in region based communication abstractions for sensor networks. In *Proceedings of the 2nd ACM Workshop on Hot Topics in Networks (HotNets-II)*, November 2003.
- [23] Matt Welsh and Geoff Mainland. Programming sensor networks using abstract regions. In *Proceedings of the First USENIX/ACM Symposium on Networked Systems Design and Implementation (NSDI 2004)*, March 2004.



Output จากโครงการวิจัยที่ได้รับทุนจาก สกอ. และ สกว.

1. ผลงานตีพิมพ์ในวารสารวิชาการนานาชาติ (ระบุชื่อผู้แต่ง ชื่อเรื่อง ชื่อวารสาร ปี เล่มที่ เลขที่ และหน้า)
 - กำลังอยู่ในระหว่างการจัดทำ จะส่งตามมาภายหลัง

2. การนำผลงานวิจัยไปใช้ประโยชน์
 - เชิงวิชาการ (มีการพัฒนาการเรียนการสอน/สร้างนักวิจัยใหม่) แนวคิดการโปรแกรมเชิงมหภาคนี้ นำไปสู่การสร้างนักวิจัยทางด้านนี้มากขึ้น โดยเฉพาะอย่างยิ่งนิสิตในที่ปรึกษาของหัวหน้าโครงการวิจัยนี้ ทั้งในระดับปริญญาตรี โท และ เอก ดังมีรายชื่อดังนี้
 - (a) นายภูริ เฉลิมเกียรติสกุล
 - (b) นายณภัทร รัตนศิรินทรวุธ
 - (c) นายศุภเสฏฐ์ ชูชัยศรี

