CHAPTER VIII

PUBLICATIONS

1. Vit Niennattrakul, Dararat Srisai, and Chotirat Ann Ratanamahatana. 2010. Shape-based Template Matching for Time Series Data. Knowledge-based Systems. (In press).

2. Sura Rodpongpun, Vit Niennattrakul, and Chotirat Ann Ratanamahatana. 2010. Efficient Subsequence Search on Streaming Data Based on Time Warping Distance. ECTI Transaction CIT 5,1:1-7.

3. Pawan Nunthanid, Vit Niennattrakul, and Chotirat Ann Ratanamahatana. 2011. Discovery of Variable-Length Time Series Motif. In Proceedings of the 8th International Conference on Electrical Engineering/Electronics, Computer, Telecommunications, and Information Technology (ECTI-CON'11), Khon Kean, Thailand.

4. Warissara Meesrikamolkul, Vit Niennattrakul, and Chotirat Ann Ratanamahatana. 2011. Multiple Shape-based Templates Matching for Time Series Data. In Proceedings of the 8th International Conference on Electrical Engineering/Electronics, Computer, Telecommunications, and Information Technology (ECTI-CON'11), Khon Kean, Thailand.

5. Vit Niennattrakul, Pongsakorn Ruengroughhirunya, and Chotirat Ann Ratanamahatana. 2010. Exact Indexing for Massive Time Series Databases under Time Warping Distance. Data Mining and Knowledge Discovery 21,3:509-541.

6. Vit Niennattrakul, Chotirat Ann Ratanamahatana, and Eamonn Keogh. 2010. Data Editing Techniques to Allow the Application of Distance-Based Outlier Detection to Streams. In Proceedings of the 10th IEEE International Conference on Data Mining (ICDM'10), pp. 947-952, Sydney, Australia.

7. Doruk Sart, Abdullah Mueen, Walid Najjar, Vit Niennattrakul, and Eamonn Keogh. 2010. Accelerating Dynamic Time Warping Subsequnce Search with GPUs and FPGAs. In Proceedings of the 10th IEEE International Conference on Data Mining (ICDM'10), pp. 1001-1006, Sydney, Australia.

8. Supasate Choochaisri, Vit Niennattrakul, Saran Jenjaturong, Chalermek Intanagonwiwat, and Chotirat Ann Ratanamahatana. 2010. SENVM: Server Environment Monitoring and Controlling System for a Small Data Center using Wireless Sensor Network. In Proceedings

of the First International Computer Science and Engineering Conference (ICSEC'10), pp. 23-28, Bangkok, Thailand.

9. Vit Niennattrakul, Chotirat Ann Ratanamahatana. 2009. Shape Averaging under Time Warping. In Proceedings of the 6th International Conference on Electrical Engineering/Electronics, Computer, Telecommunications, and Information Technology (ECTI-CON'09), pp. 626-629, Pattaya, Thailand.

10. Vit Niennattrakul, Dachawut Wanichsan, and Chotirat Ann Ratanamahatana. 2009. Accurate Subsequence Matching on Data Stream under Time Warping Distance. In Proceedings of the 6th International Conference on Electrical Engineering/Electronics, Computer, Telecommunications, and Information Technology (ECTI-CON'09), pp. 752-755, Pattaya, Thailand.

11. Vit Niennattrakul, Dachawut Wanichsan, and Chotirat Ann Ratanamahatana. 2009. Accurate Subsequence Matching on Data Stream under Time Warping Distance. In Proceedings of Workshops of the 13th Pacific-Asia Conference on Knowledge Discovery and Data Mining (PAKDD'09), pp. 752-755, Pattaya, Thailand.

12. Pongsakorn Ruengrounghirunya, Vit Niennattrakul, and Chotirat Ann Ratanamahatana. 2009. Speeding up Similarity Search on Large Time Series Dataset Under Time Warping Distance. In Proceedings of the 13th Pacific-Asia Conference on Knowledge Discovery and Data Mining (PAKDD'09), pp. 981-988, Bangkok, Thailand.

13. Vit Niennattrakul and Chotirat Ann Ratanamahatana. 2009. Meaningful Subsequence Matching on Data Stream under Time Warping Distance. In Proceedings of the 13th Pacific-Asia Conference on Knowledge Discovery and Data Mining (PAKDD'09), pp. 1013-1020, Bangkok, Thailand.

14. Pongsakorn Ruengrounghirunya, Vit Niennattrakul, and Chotirat Ann Ratanamahatana. 2008. Efficient Similarity Search under Fast Index Structure for Time Series Data, The 12th National Computer Science and Engineering Conference (NCSEC'08), pp. 278-285, Pattaya, Thailand. (Best paper award)

15. Chotirat Ann Ratanamahatana, Eamonn Keogh, and Vit Niennattrakul. 2008. Making Image Retrieval and Classification More Accurate Using Time Series and Learned Constraints. Artificial Intelligence for Maximizing Content Based Image Retrieval. Idea Group Publishing.

16. Vit Niennattrakul, Chotirat Ann Ratanamahatana. 2007. Inaccuracies of Shape Averaging

Method Using Dynamic Time Warping for Time Series Data. In Proceedings of the 7th International Conference on Computational Science (ICCS'07), pp. 513-520, Beijing, China.

17. Vit Niennattrakul and Chotirat Ann Ratanamahatana. 2007. On Clustering Multimedia Time Series Data Using K-Means and Dynamic Time Warping. In Proceedings of the International Conference on Multimedia and Ubiquitous Engineering (MUE'07), pp. 733-738, Seoul, South Korea.

18. Vit Niennattrakul and Chotirat Ann Ratanamahatana. 2007. Making Hand Geometry Verification System More Accurate Using Time Series Representation with R-K Band Learning. In Proceedings of the 11th National Computer Science and Engineering Conference (NCSEC'07), pp. 616-623, Bangkok, Thailand.

19. Vit Niennattrakul, Dachawut Wanichsan, and Chotirat Ann Ratanamahatana. 2007. Hand Geometry Verification Using Time Series Representation. In Proceedings of the 11th International Conference on Knowledge-Based & Intelligent Information & Engineering Systems (KES'07), pp. 824-831, Vietri sul Mare, Italy.

20. Vit Niennattrakul and Chotirat Ann Ratanamahatana. 2007. Learning DTW Global Constraint for Time Series Classification. In Workshop and Challenge on Time Series Classification (WCTSC) in conjunction with the 13th ACM SIGKDD International Conference on Knowledge Discovery and Data Mining (SIGKDD'07), San Jose, California, USA.

21. Vit Niennattrakul and Chotirat Ann Ratanamahatana. 2006. Clustering Multimedia Data Using Time Series. In Proceedings of the International Conference on Hybrid Information Technology (ICHIT'06), pp. 372-379, Cheju Island, South Korea.