

Bibliography

- [1] ALAMRI, S., TANIAR, D., AND SAFAR, M. Indexing moving objects in indoor cellular space. In *Network-Based Information Systems (NBIS), 2012 15th International Conference on* (2012), IEEE, pp. 38–44.
- [2] ALAMRI, S. M. *Adjacency-based indexing for moving objects in spatial databases*. PhD thesis, Monash University. Faculty of Information Technology. Clayton School of Information Technology, 2014.
- [3] AU, A. W. S., FENG, C., VALAEE, S., REYES, S., SOROUR, S., MARKOWITZ, S. N., GOLD, D., GORDON, K., AND EIZENMAN, M. Indoor tracking and navigation using received signal strength and compressive sensing on a mobile device. *IEEE Transactions on Mobile Computing* 12, 10 (2013), 2050–2062.
- [4] BIAN, W., GUO, Y., AND QIU, Q. Research on personalized indoor routing algorithm. In *Distributed Computing and Applications to Business, Engineering and Science (DCABES), 2014 13th International Symposium on* (2014), IEEE, pp. 275–277.
- [5] BLAKE, A., AND ISARD, M. The condensation algorithm-conditional density propagation and applications to visual tracking. In *Advances in Neural Information Processing Systems* (1997), pp. 361–367.
- [6] COMPANY, S. How a barometer works. <https://www.sciencecompany.com/How-a-Barometer-Works.aspx>. [Online; accessed 20-January-2019].
- [7] DAVIES, T. Engaging with diverse approaches to human skeletal adaptation: Climate, activity, and integration. *DIVERSE ENGAGEMENT: DRAWING IN THE MARGINS* (2010), 36.
- [8] DEVELOPER, A. Sensors Android. https://developer.android.com/guide/topics/sensors/sensors_overview.html#sensors-coords/, 2018. [Online; accessed 19 – February – 2018].

- [9] DIONTI, T. A., ADHINUGRAHA, K. M., AND ALAMRI, S. Indoor routing in three dimensional spaces. In *Information and Communication Technology (ICoIC7), 2017 5th International Conference on* (2017), IEEE, pp. 1–5.
- [10] GOVERNMENT, G. GPS Accuracy. <https://www.gps.gov/systems/gps/performance/accuracy/>, 2017. [Online; accessed 8-December-2018].
- [11] GRZECHCA, D., WRÓBEL, T., AND BIELECKI, P. Indoor localization of objects based on rssi and mems sensors. In *Communications and Information Technologies (ISCIT), 2014 14th International Symposium on* (2014), IEEE, pp. 143–146.
- [12] GUO, S., XIONG, H., ZHENG, X., AND ZHOU, Y. Indoor pedestrian trajectory tracking based on activity recognition. In *2017 IEEE International Geoscience and Remote Sensing Symposium (IGARSS)* (July 2017), pp. 6079–6082.
- [13] HOW, W. Cara Mengatur Barometer. <https://id.wikihow.com/Mengatur-Barometer>. [Online; accessed 20-January-2019].
- [14] INCEL, O., KOSE, M., AND ERSOY, C. A review and taxonomy of activity recognition on mobile phones. *BioNanoScience* 3 (06 2013).
- [15] KLASNJA, P., AND PRATT, W. Healthcare in the pocket: mapping the space of mobile-phone health interventions. *Journal of biomedical informatics* 45, 1 (2012), 184–198.
- [16] LAU, S. L., AND DAVID, K. Movement recognition using the accelerometer in smartphones. In *Future Network and Mobile Summit, 2010* (2010), IEEE, pp. 1–9.
- [17] MAZAN, F., AND KOVAROVA, A. A study of devising neural network based indoor localization using beacons: First results. *Computing and Information Systems Journal. University of the West of Scotland* 19, 1 (2015), 15–20.
- [18] MUKTI, R. Indoor Trajectory Reconstruction using Mobile Device. <http://repository.telkomuniversity.ac.id/home/catalog/id/142352/slug/indoor-trajectory-reconstruction-using-mobile-device.html>, 2018. [Online; accessed 6-Agustus-2018].

- [19] ONLINE, W. Millibar and Hectopascals. <https://www.weatheronline.co.uk/reports/wxfacts/Millibar-and-hectopascal.htm>. [Online; accessed 20-January-2019].
- [20] PERMANA, D. Y., HANDOJO, A., AND ANDJARWIRAWAN, J. Aplikasi indoor positioning system menggunakan android dan wireless local area network dengan metode fuzzy logic indoor positioning system. *Jurnal Infra* 1, 2 (2013), pp-13.
- [21] RAHOK, S. A., SHIKANAI, Y., AND OZAKI, K. Trajectory tracking using environmental magnetic field for outdoor autonomous mobile robots. In *Intelligent Robots and Systems (IROS), 2010 IEEE/RSJ International Conference on* (2010), IEEE, pp. 1402–1407.
- [22] SATHYARAJ, B. M., JAIN, L. C., FINN, A., AND DRAKE, S. Multiple uavs path planning algorithms: a comparative study. *Fuzzy Optimization and Decision Making* 7, 3 (2008), 257–267.
- [23] SCHOOL, I. Rumus Identitas Trigonometri. <https://idschool.net/sma/rumus-identitas-trigonometri-lengkap/>, 2019. [Online; accessed 13-January-2019].
- [24] THOR PRENTOW, ANDREAS THOM, H. B. J. V. Making sense of trajectory data in indoor spaces. [Online; accessed 19-February-2018].
- [25] WEEKLY, E. Sensors power side channel attacks on Android phones. <https://www.electronicweekly.com/news/design/university-electronics/sensors-power-side-channel-attacks-on-android-phones-2013-11/>, 2018. [Online; accessed 5-Agustus-2018].
- [26] WIKI, H. Barometer, Thermometer, Pedometer, Fingerprint Sensor. <https://haiwiki.info/teknologi/barometer-thermometer-pedometer-fingerprint/>, 2016. [Online; accessed 20-January-2019].
- [27] ZHENG, Y., AND ZHOU, X. *Computing with spatial trajectories*. Springer Science & Business Media, 2011.