

# Jiradett Kerdetsri, PhD

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## EDUCATION

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- **Sirindhorn International Institute of Technology** Pathumthani, Thailand  
*Ph.D. in Engineering and Technology* 2011 - 2015
- **University of Melbourne** Victoria, Australia  
*Master in Geographic Information Technology* 2008 - 2009
- **US Naval Postgraduate School** California, USA  
*Master in Computer Science* 2001 - 2003
- **Air Force Academy** Bangkok, Thailand  
*Bachelor in Civil Engineering* 1994 - 1999

## EXPERIENCE

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- **Bank of Thailand** Oct 2018 - Present  
*Deputy Director, Data Analytics Unit*
  - : Leading the core-data scientist team to make use of micro/granular data and alternative data (big data)
  - : To augment insights found from aggregated data through the use of artificial intelligence, machine learning, text processing, and network theory.
- **Defense Technology Institute** Ministry of Defence Jul 2009 - Oct 2018  
*Director, Data Communication Laboratory*
  - **Research topics:** Big data, Data analytics, Artificial Intelligence, Machine (deep) Learning (mainly on Computer Vision), Opportunistic Network, MANET, Tactical Network, etc.
  - : Lead and manage data communication laboratory for research and functional projects.
  - : Software implementations mainly on JAVA, PHP, and Python.
  - : Project manager for software implementation, basic research and research publication.
  - : Manage and maintain organization KPI on research publications.
  - : Organizing the international conference on defense research.
  - : Provide knowledge management for basic research, ICT projects, and research publications.
  - : Support director of research and development with technical reports.
  - : Coach and mentor the associate researchers on research methodology.
  - : Suggest technology initiatives and implementation plans for related defense research projects.
- **International Hospitality Management School Vatel** May 2013 - Sep 2018  
*Lecturer*
  - : Implemented and managed ICT curriculum for VATEL.
  - : Teaching information technology for the hospitality business course.
- **Something Aussie** Melbourne, Australia Jan 2008 - Jan 2009  
*IT Administrator*
  - : Managed IT infrastructure for the shop, including online payment, PoS, CRM, and website.
  - : Responsible for sales and marketing.
  - : Maintained the website and online orders.
  - : Supported the PR team, and social media marketing.
- **Supreme Command Headquarters** Ministry of Defence Mar 2003 - Jul 2009  
*Computer Programmer*
  - : Implemented and develop the application for Command, Control, Communications, Computers, & Intelligence (C4I) system.
  - : Worked on data analytics for Geographic Information System (GIS) and spatial analysis.
  - : Worked with US Department of Defence on Multinational Communications Interoperability Program (MCIP).
  - : Developed communication application for Counter Terrorist Operations Center (CTOC).

- : Worked with the United Nations for the peacekeeping mission.

- **Air Force**

*Construction office*

*Oct 2000 – Oct 2001*

- : Responsible for Air Force assets including construction design, build, and maintenance.
- : Provided drawing and building designs.
- : Controlled the construction team according to building plan.

- **Air Force**

*Student Pilot*

*Oct 1999 – Oct 2000*

- : Trained on CT-4 aircraft.
- : Trained on Bell-206 helicopter.

## PUBLICATIONS

### JOURNALS

- [1] Jiradett Kerd Sri and Tawiwat Veeraklaew. "Visualization of Spatial Distribution of Random Waypoint Mobility Models". In: *Journal of Computers* 12.4 (2017), pp. 309–316.
- [2] Jiradett Kerd Sri and Komwut Wipusitwarkun. "Dynamic Rendezvous Based Routing Algorithm on Sparse Opportunistic Network Environment". In: *International Journal of Distributed Sensor Networks* 11.2 (2015), p. 819178. DOI: 10.1155/2015/819178.
- [3] Jiradett Kerd Sri and Komwut Wipusitwarkun. "DORSI : Data-wise Opportunistic Routing with Spatial Information". In: *Journal of Convergence Information Technology* 8.August (2013), pp. 91–103.
- [4] Jiradett Kerd Sri, Tawiwat Veeraklaew, and Settapong Malisuwan. "Randomized Replication based on Multilevel of Security for Opportunistic Network". In: *International Journal of Electronics and Electrical Engineering* 1.2 (2013), pp. 115–119. DOI: 10.12720/ijeee.1.2.115-119.
- [5] Jiradett K. and Ornin S. "The Safety of WiMAX Insolid Propellant Rocket Production". In: *International Journal of Electronics and Communication Engineering* 5.6 (2011), pp. 747–749. ISSN: eISSN: 1307-6892. URL: <https://publications.waset.org/vol/54>.

### CONFERENCE PROCEEDINGS

- [1] Jiradett Kerd Sri and Tawiwat Veeraklaew. "Opportunistic Network Informatics using Deep Learning". In: *2018 International Conference on Information and Social Science*. Apr. 2018.
- [2] J. Kerd Sri et al. "A long-range low-power wireless sensor network based on U-LoRa technology for tactical troops tracking systems". In: *2017 Third Asian Conference on Defence Technology (ACDT)*. Jan. 2017, pp. 32–35. DOI: 10.1109/ACDT.2017.7886152.
- [3] J. Kerd Sri and T. Veeraklaew. "Analysis of energy and mobility model on opportunistic routing algorithms". In: *2015 11th International Conference on Heterogeneous Networking for Quality, Reliability, Security and Robustness (QSHINE)*. Aug. 2015, pp. 60–65.
- [4] Jiradett Kerd Sri and Komwut Wipusitwarkun. "Data-wise Routing in Virtualization Environment (DRIVE) with multiple level of security for tactical network". In: *2012 IEEE/SICE International Symposium on System Integration (SII)*. IEEE, Dec. 2012, pp. 933–938. ISBN: 978-1-4673-1497-8. DOI: 10.1109/SII.2012.6427357.
- [5] J. Kerd Sri and K. Wipusitwarkun. "Data-wise Routing in Virtualization Environment (DRIVE) with multiple level of security for tactical network". In: *2012 IEEE/SICE International Symposium on System Integration (SII)*. Dec. 2012, pp. 933–938. DOI: 10.1109/SII.2012.6427357.
- [6] J. Kerd Sri and K. Wipusitwarkun. "Network virtualization for military application: Review and initial development of conceptual design". In: *2012 14th International Conference on Advanced Communication Technology (ICACT)*. Feb. 2012, pp. 61–66.
- [7] Jiradett K., Ornin S., and Teeranun S. "The use of RFID in solid propellant rocket production management system". In: *publication description World Academy Science Engineering and Technology*. July 2010.

## BOOKS

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- [1] Jiradett Kerdsri. *iPhone 5s/c Complete user guide*. SE-EDUCATION, 2013. ISBN: 9786167240343.
- [2] Jiradett Kerdsri. *Samsung Galaxy S4 the Complete Manual*. SE-EDUCATION, 2013. ISBN: 9786167240329.
- [3] Jiradett Kerdsri. *Samsung Galaxy Note 2*. SE-EDUCATION, 2012. ISBN: 9786167240312.
- [4] Jiradett Kerdsri. *Mac OS X Mountain Lion*. SE-EDUCATION, 2012. ISBN: 9786167240299.
- [5] Jiradett Kerdsri. *Samsung Galaxy S3: How to use*. SE-EDUCATION, 2012. ISBN: 9786167240275.
- [6] Jiradett Kerdsri. *Wiki, Knowledge Management System*. SE-EDUCATION, 2007. ISBN: 9789749560136.
- [7] Jiradett Kerdsri. *SNMP over Wi-Fi wireless networks*. Storming Media, 2003. ISBN: 1423503287.