

# Curriculum Vitae

## Wg.Cdr.Dr. TOSSAPON BOONGOEN

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### Education and Training

Oct 2014 – Sep 2015      Air Command and Staff College, Royal Thai Air Force, Thailand  
Apr-Aug 2011              Squadron Leader School, Royal Thai Air Force, Thailand  
Jun 2009 – Aug 2010      Research Fellow, at Aberystwyth University, UK  
Jun 2007 – May 2009      Postdoctoral in Artificial Intelligence (Application of Artificial Intelligence to Anti-Terrorism), at Aberystwyth University  
Oct 1998 – Oct 2003      PhD in Artificial Intelligence (Text Mining and Natural Language Processing), at Cranfield University, UK

### Employment

Jun 2017 – Present      Lecturer, School of Information Technology, Mae Fah Luang University, Thailand  
Oct 2016 – May 2017      Associate Professor, Department of Mathematics and Computer Science, Royal Thai Air Force Academy (RTAFA), Thailand  
Oct 2013 – Sep 2016      Assistant Professor, Department of Mathematics and Computer Science, RTAFA  
Sep 2010 – Sep 2013      Lecturer, Department of Mathematics and Computer Science, RTAFA  
Jun 2009 – Aug 2010      Research Fellow, Department of Computer Science, Aberystwyth University, UK  
Jun 2007 – Jun 2009      Postdoctoral Research Associate, Department of Computer Science, Aberystwyth University  
Jan 2004 – May 2007      Lecturer, Department of Mathematics and Computer Science, RTAFA

### Research Experiences

Research Projects and Grants:

- PI for research project on 'Behavior modeling for suspect car detection' (Research Grant of Defence Technology Institute, Sep 17 – Aug 18)
- Co-I for research project on 'Big data and machine learning for GOTO data handling' (Research Grant of STFC-NARIT Newton Fund, Feb 17 – Jan 18)
- Co-I for research project on 'Smart Airbase Security' (Research Grant of Royal Thai Air Force, Apr 17 – Mar 18)
- PI for research project on 'Constrained optimization for adaptive UAV (Unmanned Aerial Vehicle) design' (Research Grant of Royal Thai Air Force, Oct 15 – Sep 16)
- Senior Research Consultant for research project on 'Automatic Vehicle Recognition System' (Research Grant of Defence Technology Institute, Oct 14 – Sep 17)

- PI for project on 'Tactical CCTV Image Analysis & Interpretation for Security Awareness and Anti-Terrorism' (Research Grant by Ministry of Defense, Oct 12 – Sep 14)
- PI for research project on 'Decision Support System for Crime Investigation and Anti-Terrorism: Link Analysis and Evidence Ontology' (Research Grant by Thailand Toray Science Foundation, Apr 14 – Mar 16)
- Co-I for research project on 'Analysis of Student Academic Behavior using Data Mining Techniques' (Research Grant by Mae Fah Luang University, Oct 13 – Feb 14)
- Co-I for project on 'Advanced Ensemble Approach to Improved Face Clustering & Identity Recognition' (Research Grant by Ministry of Science and Technology, Oct 14 – Sep 15)

Academic Supervision of PhD Research Projects:

- '*Cluster-based approach to impute missing values in microarray data*', at Mahanakorn Technology University, Thailand
- '*Behavior modeling for suspect vehicle detection*', at Mahanakorn Technology University, Thailand
- '*A Noise-induced generation of cluster ensemble*', at Mae Fah Luang University, Thailand
- '*An enhanced discretization method*', at Mae Fah Luang University, Thailand
- '*Fuzzy compositional modeling*', at Aberystwyth University, UK
- '*Link-based cluster ensembles*', at Aberystwyth University, UK

Program Committee of Conferences:

- IEEE International Conference on System, Man and Cybernetics, 2012-17
- International Conference on Soft Computing and Intelligent Systems, 2012-14
- IAENG International Multi Conferences of Engineers and Computer Scientists, 2013-17
- World Conference on Information Systems and Technologies, 2013-17
- International Conference on Fuzzy Systems and Knowledge Discovery, 2014-17
- International Conference on Advanced Data and Information Engineering, 2015-17
- Portuguese Conference on Artificial Intelligence, 2015-17
- Asian Conference on Defence Technology, 2016-17
- International Conference on Computational Intelligence in Information Systems, 2016-17

Editor/Reviewer of Journal Publications:

- Associate editor, *Applied Microbiology and Biotechnology (AMB) Express*, Springer (from Jan 2011)
- Editor, American Journal of Intelligent Systems, Scientific and Academic Publishing (from Jun 2012)
- Editor, *International Journal of Collaborative Intelligence*, Inderscience (from Jan 2013)
- Editor, *International Journal of Information and Decision Sciences*, Inderscience (from Apr 2014)
- Editor, *International Journal of Intelligent Systems Technologies and Applications*, Inderscience (from Mar 2015)
- Reviewer of journal publication for *IEEE Transactions on Systems, Man and Cybernetics (Part B)*, *IEEE Transactions on Fuzzy Systems*, *Knowledge Based Systems*, *Expert Systems with Applications*, *International Journal of Machine Learning and Cybernetics*, and *Neural Computing and Applications*.