LINDAWATI

School of Information System , Singapore Management University
80 Stamford Road Singapore 178902
lindawati.2008@phdis.smu.edu.sg;

PROFILE

Lecturer with vast experience in conducting lessons of IT/IS courses; IT Professional, with more than 8 years of practical experience in full life-cycle of IT Project Development; and Experienced researcher in Intelligent Systems & Decisions Analytics field.

EDUCATION

- **PhD in School of Information System, Singapore Management University**, Expected to be completed in February 2013;
- **Master in Information Technology, University of Indonesia**, Completed in January 2007;
- **Bachelor in Computer Science, Bina Nusantara University**, Completed in April 2004.

PROFESSIONAL MEMBERHIP

- **Certified Information System Auditor (CISA);**
  Obtained on July 2012;
- **Microsoft Certified Professional in Developing and Implementing Windows-based Applications with Microsoft Visual Basic.Net and Microsoft Visual Studio.Net;**
  Obtained on June 2005;
- **Microsoft Certified Professional in Designing and Implementing Databases with Microsoft SQL Server 2000 Enterprise Edition;**
  Obtained on August 2005.

TEACHING EXPERIENCE

School of Information System, SINGAPORE MANAGEMENT UNIVERSITY (SEPTEMBER 2011 – APRIL 2012) – TEACHING ASSISTANT
One of the largest university in Singapore with more than 12 years of proven track record in generating a leading edge research with global impact and produce broad-based, creative and entrepreneurial leaders for the knowledge-based economy.

Courses:
- **Computer as an Analysis Tools**
- **Computational Thinking**

Computer Science Department, BINA NUSANTARA UNIVERSITY (AUGUST 2004 – JULY 2008) – LECTURER
A private university with over 38 years of dedication towards the society and countless amounts of contributions in developing people.

Courses:
- **Sistem Basis Data (Database System)**

TEACHING EXPERIENCE CONTINUED

- **Current Popular IT II**
- **Bahasa Pemograman Object Oriented (Object Oriented Programming Language)**
- **Algoritma dan Pemograman (Algorithm and Programming)**
- **Data Warehouse**
- **Programming, Pemograman Visual (Visual Programming)**
- **Web Database**

PROFESSIONAL EXPERIENCE

LIVING ANALYTIC RESEARCH CENTRE, SINGAPORE MANAGEMENT UNIVERSITY (AUGUST 2012 - PRESENT) – RESEARCH ENGINEER
A new joint research centre between Singapore Management University (SMU) and Carnegie Mellon University (CMU) to conduct research on behavioural and social network analytics.

Responsibilities:
- **Project Management –** Liaise with external parties such as Resort World Sentosa; gathering requirements specification, implementing, testing and integrating the new application with existing applications.
- **System Testing and Audit –** Plan and conduct testing strategies and a series of experiments.

Highlighted Projects:
- **Intelligent User Guidance**
- **Wait Time Prediction**

IT DIRECTORATE, BINA NUSANTARA (SEPTEMBER 2000 – JULY 2008) – SENIOR SYSTEM ANALYST
A world class centre for innovative ICT to support Bina Nusantara Holding Company, including university, international school, business school, and international university.

Responsibilities:
- **Project Management –** Plan, monitor and control IT Projects, schedules, quality of product/service, and human resources for numerous projects.
- **System Testing and Audit –** Test and audit IT applications; Analyse business work flow and development application; and Design Information System Process Management.
- **System Analyst –** Gather, review and analyse user's requirements; Design application's interface, database and process; and run application's testing.
- **User Training –** Conduct user's training.

Highlighted Projects:
- **Marketing Information System**
- **Computer Based Test for Student Admission Test**
- **Human Resources Information System**
- **Student Advisory Centre**
- **Library Information Systems**

RESEARCH INTEREST

Analysing, modelling and designing of Intelligent Systems for supporting business and/or management decision making using Large-Scale Optimization and Meta-Heuristics Algorithm; Instance-specific Automated Meta-heuristic Design and Parameter Tuning; and Sequence and Graph Mining techniques.

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PUBLICATIONS

- Lindawati, H.C. Lau, D. Lo, Clustering of Search Trajectory and Its Application to Parameter Tuning, JORS Special Edition: Systems to Build Systems, Accepted.
- Lindawati, H.C. Lau, F. Zhu, Instance-specific Parameter Tuning via Constraint-based Clustering, CoCoMile (COmbining COnstraint solving with MIning and Learning) Workshop in ECAI (European Conference on Artificial Intelligence), 2012.
- Lindawati, H.C. Lau, D. Lo, Instance-based Parameter Tuning via Search Trajectory Similarity Clustering, LNCS: LION (Learning and Intelligent Optimization), pp. 131-145, 2011.
- A. Gunawan, H.C. Lau, Lindawati, Fine-tuning Algorithm Parameters using the Design of Experiment Approach, LNCS: LION (Learning and Intelligent Optimization), pp. 278-292, 2011.
- S. Kimbrough, A. Kuo, H. C. Lau, Lindawati and D. H. Wood, On Using Genetic Algorithms to Support Post-Solution Deliberation in the Generalized Assignment Problem. In Proc. 8th Metaheuristics International Conference (MIC), Hamburg, Germany, July 2009.

In Bahasa Indonesia:
- Lindawati, H. Martana, R. Wijaya, Application of Self-Organizing Map Algorithm on Students' Data Classification: Case Study on Study Time Prediction of Bina Nusantara University's Students. Journal of Computer Studies Faculty, Bina Nusantara University, Dec 2005
- Lindawati, Analysis Semiotic in e-Learning Effectiveness: Case Study Bina Nusantara University. Proceedings - e-Indonesia Initiatives (eII) Forum IV-2008, May 2008
- Lindawati, Data Mining with Clustering Technique on Students' Data Classification. Proceedings – Seminar Nasional Informatika 2008 – UPN Veteran Yogyakarta, May 2008

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SKILLS

- Project Management Concept (intermediate)
- Full Cycle SDLC (advance)
- .Net Framework (VB.Net and C#.Net) (intermediate)
- C/C++ Programming (intermediate)
- Ms Visual Basic Programming (advance)
- SQL Server (advance)
- Information System, Object Oriented and Database/Web Database Analysis and Design (intermediate)
- CISA and COBIT (intermediate)
- ITIL (Beginner)
- Meta-heuristic Algorithm (intermediate)
- Sequence and Graph Mining (Beginner)

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