



GILBERT M. TUMIBAY, Ph.D.

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Education:

January 2006 – February 2010

Doctor of Philosophy major in Information Technology

Hannam University, Daejeon City, South Korea

January 2002 – August 2003

Master of Science in Information Technology

Hannam University, Daejeon City, South Korea

June 1998 – May 2000

Master of Arts in Management

Major in Business Management (incomplete)

Nueva Ecija University of Science and Technology

Cabanatuan City, Nueva Ecija

June 1991 – April 1995

Bachelor of Science in Accountancy

Wesleyan University-Philippines

Cabanatuan City, Nueva Ecija

Employment:

March 1, 2022 – Present

Visiting Professor

Solbridge International School of Business

(www.solbridge.ac.kr), Woosong University, Daejeon City,

Republic of Korea

June 1, 2020 – February 28,
2022

Bachelor of Science in Information Technology (BSIT)

Program Chair

Angeles University Foundation (www.auf.edu.ph)

Angeles City

May 1, 2012 – February 28,
2022

Faculty Member, College of Computer Studies and

Graduate School

Angeles University Foundation

Angeles City

May 1, 2012 – May 31, 2020

Doctor of Information Technology (DIT) and Master in

Information Technology (MIT) Program Chair

Angeles University Foundation

Angeles City

Nov. 1, 2018 – Oct. 31, 2019	Business Development Consultant (Part-time job) <i>TORO Philippines (www.torocloud.com)</i> Clark Freeport Zone, Pampanga
April 1, 2017 – Oct. 31, 2018	President for Operations <i>ToroCloud, Philippines</i> Clark Freeport Zone, Pampanga
May 1, 2012 – Mar. 31, 2017	Dean, College of Computer Studies <i>Angeles University Foundation</i> Angeles City, Philippines
March – December 2009	Lecturer, Linton Global College <i>Hannam University, Daejeon City, South Korea</i>
July 2011 – April 2012	Dean, College of Computer Studies <i>Wesleyan University-Philippines</i> Cabanatuan City, Nueva Ecija
June 2010 – June 2011	Director, Information and Communication Technology (ICT) Department <i>Wesleyan University-Philippines</i> Cabanatuan City, Nueva Ecija
January 1996 – May 2003 and June 2007 – April 2012	Faculty in Computer Science and Info. Technology <i>Wesleyan University-Philippines</i> Cabanatuan City, Nueva Ecija
March 2002 – April 2012	IT Consultant / Computer Programmer <i>Zabat Accounting Office</i> MacArthur Highway, Cabanatuan City
June 2003 – May 2007	Dean, College of Computer Science <i>Wesleyan University-Philippines, Maria Aurora Branch</i> Maria Aurora, Aurora Province

Awards Received:

- **International Publications Award (IPA) for Three (3) Scopus-Indexed Publications**
Angeles University Foundation, General Assembly, August 13, 2021
- **Best Paper Award – International Higher Education Research Forum (IHERF) 2016, “Incident Response Information System using Web and SMS Platforms”, September 17, 2016**

Certifications:

- **Microsoft Technology Associate (MTA) – Database Administration Fundamentals**
Certiport, March 23, 2021

Membership and Participation in Accrediting Organizations:

- **Philippine Association of Accrediting Schools, Colleges and Universities (PAASCU)**
Member, Commission on Information Technology Education (CITE), May 2019 – February 2022
Accreditor, Twenty-three (23) schools accreditation visits from January 2013 to February 2022.
- **Commission on Higher Education (CHED), Regional Quality Assessment Team (RQAT)**
Assessor, January 2006 – present

Membership and Participation in Professional and Other Organizations:

- **Philippine Society of Information Technology Educators – (PSITE) National**
Vice President for Luzon, Academic Year (AY) 2018 - 2019
Board Member, AY 2019 – 2024
- **Angeles University Foundation Multi-Purpose Cooperative (AUFMPC)**
Chairman, Audit Committee, 2020 - 2021
- **Metro Clark ICT Council (MCICTC)**
Director, 2016 - 2018
Chairman of the Board, 2015 - 2016
President, 2014 - 2015
Vice President, 2013 - 2014
- **Philippine Society of Information Technology Educators – Region 3 (PSITE-R3)**
Board Member, AY 2017-2018
Vice President, AY 2016-2017
President, AY 2014–2016
Vice President, AY 2013–2014
Chair, Committee on Education, AY 2012–2013
- **Council of Information Technology Education Deans – Region 3 (CDITE-R3)**
Angeles-Pampanga Coordinator, AY 2014-2016
Auditor, AY 2016-2018
- *former Member, National Professional Science Master’s Association (NPSMA)*
- *former Member, Korean Society of Industrial and Systems Engineer (KSISE)*
- *former Member, Korean Institute of Maritime Information and Communication Sciences (KIMICS)*
- *former Member, Board of Trustees (4 years) Wesleyan University-Philippines Multi-purpose Cooperative*

Research Publications and Conference Presentations:

- *Member, Organizing Committee, International Conference on Information Technology Education (ICITE) 2021. icite.psite.org, October 27-29, 2021*
- *Member, Organizing Committee, Virtual National Convention of Information Technology Educators (NATCON) 2021, February 24-26, 2021*
- *Conference Chair, International Conference on Emerging Technologies (ICET) 2019, Hannam University, Daejeon City, South Korea (www.hannam-icet.org)*

- *Convention Chair*, National Convention of Information Technology Education (NCITE) 2018. St. Paul University, Tuguegarao City, Philippines
- *Organizing Chair*, Hansung Univeristy and Angeles University Foundation 1st International Research Colloquium. May 26-27, 2017, Hansung University, Seoul, South Korea
- *Local Management Chair*, International Conference on Green and Human Information Technology (ICGHIT) 2016 (2016.icghit.org/main).
- *Section Editor*, International Journal of Information and Communication Technology (ISSN: 2089-3809).
- *Associate Editor*, Philippine Society of Information Technology Educators (PSITE) Region 3 Research Journal.
- *Member, Organizing Committee*, 1st International Student Research Conference on Computing Studies, February 17-18, 2016. Angeles City, Philippines.
- *Member, Organizing Committee*, 2nd International Student Research Conference on Computing Studies, January 28-29, 2016. Angeles City, Philippines.

Publications, Conference Proceeding and Research Presentations:

- Jerreck Reynald Navalta and Gilbert M. Tumibay, "*Scholar's Academic Performance Monitory Model with Dual Notification Facility*", Presented during the 6th International Research Conference on Information Technology Education (Virtual Conference), Clark, Philippines, May 7, 2021.
- Eugene Perez and Gilbert M. Tumibay, "*Professional Organization Conference and Convention Management System*", Presented during the 6th International Research Conference on Information Technology Education (Virtual Conference), Clark, Philippines, May 7, 2021.
- Jehan D. Bulanadi and Gilbert M. Tumibay, "*Forestland Rehabilitation Impact Indicators and Spatiotemporal Visualization*", United International Journal for Research & Technology, Vol. 2, Issue 4, Feb. 2021, ISSN: 2582-6832.
- Ronald S. Santos and Gilbert M. Tumibay, "*Geographical Information System of Dengue Fever: A Case Study in the Philippines*", International Journal of Research in Technology and Management (JJRTM), Vol. 2, Issue 5, October 2020, ISSN:2454-6240 <http://www.ijrtm.com>
- Rachel T. Alegado and Gilbert M. Tumibay, "*Statistical and Machine Learning Methods for Vaccine Demand Forecasting: A Comparative Analysis*", Journal of Computer and Communications, 2020-08 pp. 37-49, Scientific Research Publishing, ISSN Online: 2327-5227.
- Mayleen Dorcas B. Castro and Gilbert M. Tumibay, "*Classifying Relevant Video Tutorials for the School's Learning Management System Using Support Vector Machine Algorithm*", Global Journal of Engineering and Technology Advances, 2020, 02(03), 001-009, <http://www.gieta.com>.
- Eunice B. Custodio and Gilbert M. Tumibay, "*Applicability of Skyline Query Algorithm for Career Identification of K-12 Graduates*", Global Journal of Engineering and Technology Advances, 2020, 02(03), 010-015, <http://www.gieta.com>.
- Jehan D. Bulanadi, Gilbert M. Tumibay and Mary Ann F. Quioc, "*Artificial Neural Network (ANN) with Back-Propagation Algorithm Forecasting Model and Spatiotemporal Data Visualization for Forestland Rehabilitation*", Test Engineering & Management, January-February 2020, pp. 4241-4250. ISSN: 0193-4120.

- Jehan D. Bulanadi, Gilbert M. Tumibay and Mary Ann F. Quioc. *“Spatiotemporal Data Analysis and Forecasting Model for Forestland Rehabilitation”*, International Journal of Computing Sciences Research, Vol. 3, No. 4, pp. 229-245, January 2020, ISSN: 2546-0552.
- Everly M. Chua and Gilbert M. Tumibay, *“Crime Data Forecasting Using Exponential Smoothing”*, International Journal of Advanced Trends in Computer Science and Engineering (**Scopus Indexed**), Volume 9, No.1.1, 2020, ISSN: 2278-3091.
- Jehan D. Bulanadi, Gilbert M. Tumibay and Mary Ann F. Quioc, *“Spatiotemporal Data Analysis and Forecasting Model for Forestland Rehabilitation”*, International Journal of Computing Sciences Research, 2019, Vol. 3, No. 4, pp. 229-245, ISSN print: 2546-0552; ISSN online 2546-115X.
- Mayleen Dorcas B. Castro and Gilbert M. Tumibay, *“A Literature Review: Efficacy of Online Learning Courses for Higher Education Institution Using Meta-Analysis”*, Education and Information Technologies (**Scopus Indexed**), Springer, Published: November 4, 2019, ISSN 1360-2357.
- Jehan D. Bulanadi, Gilbert M. Tumibay and Mary Ann F. Quioc. *“Forecasting Model for Forestland Rehabilitation (ANN) with Back Propagation Algorithm and Spatiotemporal Visualization”*. Proceedings of the 7th ICT Research Congress. University of Makati, City of Makati, October 26, 2019. ISSN: 2704-3894.
- Mary Jane C. Rabena and Gilbert M. Tumibay, *“Application of Data Mining Technique for Faculty Teaching Evaluation based on Performance Criteria”*, Proceedings of the 7th ICT Research Congress. University of Makati, City of Makati, October 26, 2019. ISSN: 2704-3894.
- Mary Jane C. Rabena and Gilbert M. Tumibay, *“Development of an Analytic Hierarchy Process Model for Faculty Evaluation based on Performance Criteria”*, 2019 Asia-Pacific Consortium of Researchers and Educators Convention and International Conference (APCoRE) Journal of Proceedings. September 19-20, 2019, ISSN: 2704-4572.
- Rolaida L. Sonza and Gilbert M. Tumibay, *“Decision Tree Algorithm in Identifying Specific Interventions for Gender and Development Issues”*, Journal of Computer and Communications, 2020, 8, 17-26, Scientific Research Publishing, ISSN: 2327-5227.
- Rachel T. Alegado and Gilbert M. Tumibay, *“Forecasting Measles Immunization Coverage Using ARIMA Model”*, Journal of Computer and Communications, 2019-07, 157-168, Scientific Research Publishing, ISSN: 2327-5227.
- Arnold P. Dela Cruz and Gilbert M. Tumibay, *“Predicting Tuberculosis Treatment Relapse: A Decision Tree Analysis of J48 for Data Mining”*, Journal of Computer and Communications, 2019, 7, 243-251, Scientific Research Publishing, ISSN: 2327-5227.
- Rolaida L. Sonza and Gilbert M. Tumibay, *“A Method for an Intervention for Gender and Development Issues and Problems”*, Proceedings of 2019 the 9th International Workshop on Computer Science and Engineering (**Scopus Indexed**), Hongkong, June 15-17, 2019, pp. 317-323, ISBN: 978-981-14-1684-2.
- Everly M. Chua and Gilbert M. Tumibay, *“Comparative Analysis of Seasonal Auto-Regressive Integrated Moving Average in Forecasting Crime Incidents”*, Proceedings of International Conference on Emerging Technologies, November 13-15, 2019, Hannam University, Daejeon City, South Korea (www.hannam-icet.org).

- Jaspreet K. Dol and Gilbert M. Tumibay, *“Ecryptoforcaster: Crypto Curreny Time Series Analysis and Forecasting”*, Proceedings of International Conference on Emerging Technologies, November 13-15, 2019, Hannam University, Daejeon City, South Korea (www.hannam-icet.org).
- Agiela Omar M. Algassir and Gilbert M. Tumibay, *“Libyan Tracking and Disaster Monitoring Portal Using Social Media Chronological Feed Method”*, Proceedings of International Conference on Emerging Technologies, November 13-15, 2019, Hannam University, Daejeon City, South Korea (www.hannam-icet.org).
- Romack L. Natividad (La Verdad Christian College), Ma. Theresa S. Jimenez (College of Subic Montessori) and Gilbert M. Tumibay (Angeles University Foundation), *“Incident Response Information System using Web and SMS Platforms” **Best Paper Award***, International Higher Education Research Forum (IHERF) 2016, September 14-17, 2016, Tagaytay International Convention Center, Tagaytay City.
- Richmon L. Carabeo (Eastwoods Professional College of Science and Technology) Ruel V. Reyes (Angeles University Foundation) and Gilbert M. Tumibay (Angeles University Foundation), *“Streamlining the Rural Health Medicine Distribution with Supply Expiration Monitoring using an Information System Model” **Finalist – Best Paper Award***, International Higher Education Research Forum (IHERF) 2016, September 14-17, 2016, Tagaytay International Convention Center, Tagaytay City.
- Rusty M. Palacay (Eastwoods Professional College of Science and Technology) and Gilbert M. Tumibay (Angeles University Foundation), *“Automating the Basic Services of Barangay Units with Data Analytics for Law-enforcement”*, International Higher Education Research Forum (IHERF) 2016, September 14-17, 2016, Tagaytay International Convention Center, Tagaytay City.
- Ma. Theresa S. Jimenez (College of Subic Montessori), Rosanna A. Esquivel (Angeles University Foundation) and Gilbert M. Tumibay (Angeles University Foundation), *“Raising Awareness on Biodiversity Conservation through a Knowledge Management System Model”*, International Higher Education Research Forum (IHERF) 2016, September 14-17, 2016, Tagaytay International Convention Center, Tagaytay City.
- Gilbert M. Tumibay (Angeles University Foundation), Fernand T. Layug (Sta. Rita College of Pampanga), Daisy S. Yap (Angeles University Foundation) and Mar Stephen B. Sembrano (Mabalacat City College), *“Increasing the Value of Farm Products: Connecting Farmers and Consumers Through an E-Commerce System”*, ACM International Conference Proceeding Series (**Scopus Indexed**), 2016, August 17-19, 2016. Suwon, South Korea.
- Gilbert M. Tumibay (Angeles University Foundation), Seungcheon Kim (Hansung University), Kyutae Lee (Kongju National University) and Sungcheol Yu (LG Hitachi, Korea), *“Smart Pet Care System Based on IoT”*, International Conference on Green and Human Information Technology (ICGHIT) 2016, February 24-26, 2016. Clark, Pampanga, Philippines.
- Zapanta, J., Natividad, D., Pantaleon, Y. Solis, K., Tumibay, G. M. and Yap, Daisy S., *“Cloud-based Medical Repository Database with SMS Query Model”*, 2nd International Student Research Conference on Computing Studies, January 28-29, 2016. Angeles City, Philippines.
- Tan, N. A., Tumibay, G. M. and Esquivel, R. A., *“Cloud-based Information Management System Model for Public Schools of Angeles City, Philippines”*, The 5th Education for Rural Transformation (ERT) International Symposium, September 17-19, 2014. Kathmandu, Nepal.
- Castro, A. S. and Tumibay, G. M., *“The Registrar: Online Document Verification and Tracing System”*, 12th PSITE Region 3 General Assembly, July 25, 2014, Bustos, Bulacan.

- Tumibay, G. M., Tan, N., Da Costa, F., Reyes, K., Hombrebueno, L., Vidigal, G., Vieira, P. and Castro, E. Q. *"A Cloud-based K-12 School Management System"*, I.T. Chronicles, Vol. 5, Dec. 2012.
- Tumibay, G. M., Kim, C., Oh, H. and Kim, K. *"An Empirical Study on Technology Acceptance for e-Commerce in Developing Countries"*, 2009 Korean Society of Industrial and Systems Engineering Conference, Nov. 21, 2009, pp. 93-99.
- Tumibay, G. M., Kim, C. and Sung, K. *"An Empirical Study on Information Technology Acceptance for Back Office Systems in Developing Countries"*, International Journal of Korea Institute of Maritime Information and Communication Sciences, Vol. 7, No. 4, December 2009, pp. 431-436.
- Tumibay, G. M., Kim, C., Oh, H. and Kim, K. *"A Study on Information Technology Acceptance for B2C e-Commerce in Developing Countries"*, Journal of the Society of Korea Industrial and Systems Engineering, Vol. 32, No. 4, December 31, 2009, pp. 134-141.