

Aura C. Matias, Ph.D.

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11 September 1960
Quezon City, Philipipnes
Married to: Renato B. Matias
Children: Raymund Arthur C. Matias
 Anthony Ray C. Matias
 Alyssa Rae C. Matias
Grand daughter: Kyla Denise H. Matias



C U R R E N T E M P L O Y M E N T / A P P O I N T M E N T S

National Academy of Science & Technology (NAST)

Department of Science & Technology (DOST)
ACADEMICIAN

Since July 15, 2011

Department of Industrial Engineering & Operations Research

University of the Philippines
Diliman, Quezon City
PROFESSOR 12

January 1, 2015 – present

University Council Committee on Academic Programs & Policies

University of the Philippines Diliman
CHAIRMAN
MEMBER

September 2011 – December 2015
January 2016-present

College Committee on Energy Engineering Program

College of Engineering, University of the Philippines
Diliman, Quezon City (UPCOE)
MEMBER

September 2004 – present

College Committee on Environmental Engineering Program

College of Engineering, University of the Philippines
Diliman, Quezon City (UPCOE)
MEMBER

September 2016 – present
September 2004 – May 2008

International Journal of Human Factors in Manufacturing & Service Industries

John Wiley Publications, U.S.A.
MEMBER, EDITORIAL BOARD

July 1996 - present

Technical Panel for Engineering, Technology and Architecture (TPETA)

Commission on Higher Education
MEMBER, TASK FORCE FOR INDUSTRIAL
ENGINEERING PROGRAMS

May 1996 – present

Task Force for Industrial Engineering Program & Task Force for the Monitoring of Centers of Excellence & Centers of Development (COE/COD)

Office of Programs and Standards-Engineering and Architecture Unit
Commission on Higher Education (CHED)

MEMBER, INDUSTRIAL ENGINEERING
PROGRAMS

January 1, 2004 – present

**Public Management Development Program (PMDP)
Development Academy of the Philippines
(DAP)**

FACULTY ADVISER

September 15, 2016 – present

**Multi-Sectoral Advisory Board (MSAB),
51st Engineer Brigade, AFP**

VICE CHAIRPERSON

May 1, 2015 – present

Voyager Innovations, Inc.

INDEPENDENT DIRECTOR

June 1, 2015 – present

U.P. Engineering Research & Development Foundation, Inc.

SECRETARY & TREASURER
VICE-PRESIDENT FOR OPERATIONS
MEMBER

September 1, 2016-present

August 1, 2010-August 31, 2016

Since 1999

**Diliman Integrated Technical
Consultancy, Inc. (DITCI)**

GENERAL MANAGER

May 1, 2014 – present

F O R M E R P O S I T I O N S H E L D

College of Engineering

University of the Philippines
Diliman, Quezon City

DEAN

August 1, 2010-August 31, 2016

National Engineering Center

University of the Philippines
Diliman, Quezon City

EXECUTIVE DIRECTOR

July 1, 2010 – 31 August 2016

DEPUTY EXECUTIVE DIRECTOR &
FACULTY-IN-CHARGE, CONTINUING
ENGINEERING EDUCATION SERIES
AND PROJECT MANAGEMENT OFFICE

January 16, 1996 – March 2002

Engineering Research & Development for Technology (ERDT)

Department of Science & Technology/Science Education Institute (DOST-SEI)

PROGRAM LEADER

01 August 2010 – 31 August 2016

National Renewable Energy Board (NREB)

Department of Energy
INDEPENDENT OBSERVER

01 February 2011 – 31 August 2016

International Journal of Industrial Engineering and Management Systems

Asia Pacific Industrial Engineering and Management Society (APIEMS)
REGIONAL EDITOR

January 2003 – December 2015

Department of Industrial Engineering & Operations Research

University of the Philippines
Diliman, Quezon City
CHAIRMAN

November 1, 2004 – July 30, 2010

**Philippine Journal of Operations
Research**

Operations Research Society of the Philippines
CO-EDITOR
EDITOR

April 2006 – March 2009
February 1998 – January 2002

College Committee on BioEngineering Program

College of Engineering, University of the Philippines
Diliman, Quezon City (UPCOE)
MEMBER

September 2004 – May 2007

University Council Committee on Faculty Development, Conduct & Welfare

University of the Philippines Diliman
CO-CHAIRMAN

January 31, 2004 – January 30, 2007

College Committee on Construction Technology and Management

College of Engineering, University of the Philippines
Diliman, Quezon City (UPCOE)
MEMBER

May 31, 1996 – April 30, 1997

A R E A S O F S P E C I A L I Z A T I O N

HUMAN FACTORS ENGINEERING

OCCUPATIONAL SAFETY AND HEALTH

OPERATIONS RESEARCH

PRODUCTIVITY AND QUALITY MANAGEMENT

ENVIRONMENT & SOCIAL SUSTAINABILITY

E D U C A T I O N

Purdue University West Lafayette, Indiana, USA PH.D. INDUSTRIAL ENGINEERING (HUMAN FACTORS)	<i>May 4, 1996</i>
University of the Philippines Diliman, Quezon City M.S. INDUSTRIAL ENGINEERING (PRODUCTION SYSTEMS/OPERATIONS RESEARCH)	<i>April 1989</i>
University of the Philippines Diliman, Quezon City B.S. INDUSTRIAL ENGINEERING	<i>March 1982</i>
U.P. Integrated School (<i>with honors</i>) U.P. Elementary School Diliman, Quezon City	<i>April 1977</i> <i>April 1973</i>

P R O F E S S I O N A L E X P E R I E N C E

Short Term Consultant	SSLDIP Beneficiary Survey, World Bank September 1 – October 31, 2016
Project Leader & Principal Consultant	Assessment of Water Demand under the Manila Water Franchise Area, Manila Water Company, Inc./National Center for Transportation Studies Foundation, Inc. 2 July, 2016 – December 31, 2016
Project Leader & Principal Consultant	Assessment of Water Demand under the Maynilad Franchise Area, Maynilad Water Services, Inc./National Center for Transportation Studies Foundation, Inc. April 27, 2016 – December 26, 2016
Program Coordinator	Philippine Learning Center for Environment and Social Safeguards/World Bank Environment & Social Management of Construction, Cebu City, March 1-4, 2016 Indigenous People & Social Assessment, Davao City – March 8-11, 2016 Forum on Sustainable Finance, Shangrila Hotel – May 30-31, 2016 Environmental Assessment & EA Tools, Eastwood Richmond Hotel – September 20-23, 2016 Protecting Natural Habitats and Physical Cultural Resources in Infrastructure Projects, Subic Bay Travelers Hotel – September 27-30, 2016

Program Coordinator	Philippine Learning Center for Environment and Social Safeguards/World Bank Safeguards Forum – June 16-17, 2014 Training of Trainers – October 13-17, 2014 Involuntary Resettlement - September 22-25, 2015 Safeguards Supervision – September 28-October 1, 2015 Environment & Social Management of Construction – November 23-25, 2015
Principal Consultant	Comprehensive Organizational Review, Performance Assessment and Audit of National Commission on Culture and Arts, (NCCA-CORPAA Project), Mapua TechServe/UPNEC October 3, 2013 - April 30, 2015
Principal Consultant	Business Plan for the Philippine Core Learning Center of Excellence in Environment and Socially Sustainable Infrastructure / World Bank November 21, 2013 – February 14, 2014
Principal Consultant	World Bank Beneficiary Assessment Survey for the GPOBA Improved Access to Water Services Project in the East Zone of Metro Manila August 30, 2013 – November 30, 2013
Project Leader and Principal Consultant	Market Study of Public Utility Electric Vehicles, Manila Electric Company/National Center for Transportation Studies July 16 – December 15, 2011
Project Leader & Principal Consultant	Assessment of Water Demand under the Manila Water Franchise Area, Manila Water Company Inc./National Center for Transportation Studies Foundation, Inc. February 15 – September 30, 2011
Project Leader & Principal Consultant	Assessment of Water Demand under the Maynilad Franchise Area, Maynilad Water Services, Ince/National Center for Transportation Studies Foundation, Inc. January 27 – September 30, 2011
Team Leader	Business Area Realignment Study, Phillip Morris-Fortune Tobacco Corporation (PMFTC) May 17 – August 17, 2010
Project Manager	Public Assessment of Sewerage and Sanitation Services (PASS) Project, DENR/MWSS-RO January 19 – December 30, 2010
Principal Researcher	Survey Work for Increasing Sewerage Connections in Estero de Paco, Quezon City, AECOM International Development/USAID, Bangkok, Thailand March 1-26, 2010
Project Leader	Census Survey for Manila Water Company, Inc. (MWCi) September 22-October 30, 2009

Chief of Party	Twinning Agreement on Developing and Implementing a Customer Feedback System for Concessionaire Performance in Yangcheng, China Water Company, Eco-Asia/USAID/MWSS-RO, Jiangsu Province, PROC April 27-May 3, 2009
Principal Researcher	Philippine Quality Award (PQA) Program Evaluation, Development Academy of the Philippines-Center for Quality & Competitiveness December 1, 2008-March 30, 2009
Principal Consultant	GPOBA Project, MWCI/UPERDFI July 15-September 15, 2008
Lead Consultant	Systems Improvement Project, ABS-CBN News and Current Affairs Division February 6 – April 2, 2008
Lead Consultant	Business Model Review and Assessment of the PNOC-AFC Industrial Park February 4 – March 4, 2008
Project Manager and PAWS Specialist	Public Assessment of Water Service (PAWS) Project – Metropolitan Waterworks and Sewerage System-Regulatory Office Phase II Years 3-5: Nov 5, 2007 - Nov 2010 Phase II Year 2: March 15, 2006-April 30, 2007 Phase I: February 10, 2003-March 31, 2004
Lead Survey & Statistical Expert	IDR Project, Corruption Resistance Review Employee Survey – Center for Governance, Development Academy of the Philippines, March 1 – April 30, 2007 February 1-March 15 2006
Project Manager and Senior Consultant	Process Mapping and Work Measurement of Branch Banking Operations in the Philippine National Bank, February 15 –June 15 2006
Lead Researcher	Rapid Comprehensibility Testing of the Global Harmonized System (GHS) of Classification and Labelling of Chemicals, Board of Investments, February 1–22, 2006.
Senior Consultant	Assessment of the Impact of the Implementation of the 4-day Workweek – Center for Governance, Development Academy of the Philippines, May-August 2005
Sub-Group Leader	Usage and Design Characterization Survey of Tricycle Passengers and Drivers; Development of Standards for Tricycle Operations – DOST-PCIERD, June 2002 – February 5, 2004

Senior Consultant	Development of a Service Performance Assessment Model (SPAM) of Center Management Operations for Globe Wireless, Inc. – Simplex Foundation, Inc., June 15 – November 7, 2003
Senior Consultant	Documentation and Process Review of the Branch Banking and Loan Operations of Philippine Savings Bank – Simplex Foundation, Inc., July 18, 2002-December 8, 2002
Project Manager & Technical Consultant	On-the-Job Training and Re-engineering of the Monitoring and Reporting System of the Metropolitan Water & Sewerage System Regulatory Office – World Bank/MWSS-RO/Renardet/Louis Berger, “Transition Activities for the PPA Pilot Project”, July 15, 2001 – March 1, 2002
Project Manager & Technical Consultant	Public Performance Assessment (PPA) Pilot Project for the Metropolitan Water & Sewerage System Regulatory Office – World Bank/MWSS-RO/Renardet/Louis Berger, “Transfer of Technology Component”, November 15, 1999 – June 30, 2001
Technical Advisor	Advisory Board, Center for Urban Management and Environment – A joint project of Organization Development & Management Technologies, Inc. and Professional Estates Ventures Corporation, August 1999 – July 2001
Technical Consultant	Industrial Initiatives for Sustainable Development – USAID /Chemonics /DENR-EMB /DTI /PCG, Interim Results Team, December 1, 1999 – December 2000
Senior Consultant	National Comprehensive Occupational Rehabilitation Program for the Employees Compensation Commission – ECC/UP College of Public Health, September 1998 – September 2000
Senior Consultant	A Study of Eye Injuries Among Workers of Selected High-Risk Establishments in the Philippines – DOH/UP College of Public Health, January 1999-December 2000
Senior Consultant	Philippine Climate Change Mitigation Program – USAID/Hagler Bailly/DOE/PNOC/NPC, “Market Assessment of Fuel Cell Technology Applications in the Philippines”, November 16, 1998 – September 10, 1999
Senior Consultant	Technology Application and Promotion Institute – Department of Science and Technology (TAPI-DOST), Manufacturing Productivity Extension Program (MPEX), 1996-1997
Graduate Assistant	Radiological and Environmental Management, Purdue University, West Lafayette, IN, USA August 1994 – December 1995
Industrial Engineer	Bruce Industries, Inc., Carson, California, USA October 1985 – January 1986

Associate Professor Assistant Professor Instructor	Department of Industrial Engineering and Operations Research, University of the Philippines (Diliman) January 1996 – December 2014 June 1989 – December 1995 June 1982 – May 1989
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C E R T I F I C A T I O N S / A W A R D S / G R A N T S

Engineer Registry/Certifications:

ASEAN Engineer (AE 0502), ASEAN Engineers Register, ASEAN Federation of Engineering Organizations (AFEO) Governing Board, 10 November 2013.

Certified Professional Industrial Engineer (PIE), Philippine Institute of Industrial Engineering/Industrial Engineering Certification Board (PIIE-IECB), Since March 6, 2008.

Awards:

2015 The Outstanding Science Administrator Award (Dioscoro L. Umali Medal), National Science & Technology Week, Department of Science and Technology, SMX Convention Center, July 24, 2015.

2010 Top 100 Outstanding Engineers, U.P. Alumni Engineers (UPAE), May 28, 2010

2007 Outstanding Professional Awardee for Engineering & Technology, U.P. Alumni Association (UPAA), June 23, 2007

2007 Outstanding Engineering Professor (Confucian Award), UPERDFI, April 22, 2007

2006 Achievement Award for Engineering Research, National Research Council of the Philippines (NRCF), Manila Hotel, March 8, 2007

“Effectivity Award (Pinakamagaling Magturo)”, 2007 Industrial Engineering Days: Taking IE UP, Engineering Student Council, February 23, 2007

2006 Outstanding Industrial Engineering Professor, “Alay sa Inhinyero”, U.P. Engineering Society, August 25, 2006

2004 The Outstanding Women in the Nation’s Service (TOWNS), TOWNS Foundation, Inc., October 28, 2004

2004 Outstanding Industrial Engineering Professor, “Alay sa Inhinyero”, U.P. Engineering Society, August 27, 2004

2003 Outstanding Faculty Researcher, UPERDFI, April 27, 2003

2002 Gawad Chanselor Awardee, Pinakamahasay na Guro sa Gawaing Ekstensyon, February 22, 2002

2001 International Publication Award, President’s Awards, University of the Philippines, March 5, 2003

Grants/Scholarships:

Ambrosio Magsaysay Professorial Chair, July 2016-June 2017

Class of 56 Professorial chair, July 2007 – June 2016

Cristy Hernandez Professorial Chair for Associate Professor in Engineering, July 2003 – June 2007

PHINMA teaching Grant, January 1, 1997 – December 31, 2001

UPERDFI Teaching Grant, February 1, 1996 – December 31, 1997

DOST-ESEP Ph.D. Scholarship, August 1992 – December 1995

P U B L I C A T I O N S

Books/Monographs/Manuals:

Custodio, B., Matias, A., Soriano, V., “Work-related Musculoskeletal Symptoms among Small Scale Gold Miners and Extraction Workers in the Philippines”, *Advances in Safety Management and Human Factors*, Vol. 491 (2016), pp. 495-501.

Matias, A.C. & Rustico, E.Z., “Assessment of Possible Factors Affecting Severity of Muscle Fatigue among Convenience Store Employees”, *Procedia Manufacturing*, Vol. 3 (2015), pp. 3432-3439.

Kurata, Y.B., Bano, R.P., Matias, A.C., “Effects of Workload on Academic Performance among Working Students in an Undergraduate Engineering Program”, *Procedia Manufacturing*, Vol. 3 (2015), pp.3360-3367

Rustico, E.Z., Matias, A.C., Grepo, L.C., “Manpower Utilization in the Powder Coating Production of a Powder Coating Company”, *Procedia Manufacturing*, Vol. 3 (2015), pp. 332-339

Novabos, C. & Matias, A.C., “How Good is this Destination Website: A User-centered Evaluation of Provincial Tourism Websites”, *Procedia Manufacturing*, Vol. 3 (2015), pp. 3478-3485

Kurata, Y.B., Matias, A.C., Grepo, L.C., “Manpower Utilization in the Hotdog Meat Processing Production of a Meat Processing Company”, *Procedia Manufacturing*, Vol. 3 (2015), pp. 340-345.

Matias, A., Baraquel, K., Barrios, M., Millare, L. and Ocampo, C., Chapter 35: Perceptions of Traffic Enforcers on Road Traffic Noise and Its Potential Non-Auditory Effects. *Advances in Ergonomics in Manufacturing* (Trzcielinski, Stefan & Karwowski, Waldemar, Editors), CRC Press, Taylor & Francis Group, pp. 328-335, 2013.

Matias, A., Macaranday, R., Mangubat, J., Reyes, R. and Tan, J., Chapter 55: A Study on Shoe Sizing Systems: Foot Anthropometry of Filipino Children aged 7-12. *Advances in Ergonomics in Manufacturing* (Trzcielinski, Stefan & Karwowski, Waldemar, Editors), CRC Press, Taylor & Francis Group, pp. 500-507, 2013.

- Matias, A. & Seva, R., Chapter 15: Usability in Philippines. Global Usability (Douglas, Ian & Liu, Zhengjie, Editors), 1st Edition, Springer, 2011.
- Matias, Aura C., Chapter: Ergonomics Hazards in the Workplace. Manual for the 1st International Post-graduate Course on Occupational Health and Safety, College of Public Health, University of the Philippines, Diliman. October 20-28, 2008.
- Matias, Aura C., Galinato, Primavera, and Somera, Lina. Chapter: Workplace Ergonomics. Post-graduate Course Manual, College of Public Health, University of the Philippines, Diliman. 2003.
- Matias, A., Chapter 52: Work Measurement. Handbook of Industrial Engineering (Salvendy, G., Editor) 3rd Edition, John Wiley & Sons, Inc. October 2001. (Received the UP President's International Publication Award, March 2003)
- Matias, A., Filmer, CMA and Zamora, E. (Editors). Operations Research in Development. Proceedings of the 2nd International Conference on OR/MS and 3rd International Conference on Operations Research in Development (ICORMS-ICORD 1997), Manila, Philippines. Operations Research Society of the Philippines (ORSP) and the International Federation of Operational Research Societies (IFORS). 2000. ISBN 971-92280-0-8.

Refereed Journals:

- Daway, Rhey David S., & Matias, A., Developing the Bounded Inventory Level Policy as an Inventory Control Mechanism for Reentrant Lines. Philippine Industrial Engineering Journal. Vol. 11 No. 1, February 2011.
- Matias, A., & Dela Cuesta, L., Associated Effects of Shiftwork on Health & Productivity Among Outbound Call Center Agents. Philippine Industrial Engineering Journal. Vol. 2 No. 1, February 2005.
- Camagay, MD, Sigua, RG, Vergel, KN, Matias, AC, and Danao, LM, Development of Emission and Engine Testing Procedures and Standard Sidecar Design Prototype for Tricycles. Journal of the Eastern Asia Society for Transportation Studies, Vol. 6, pp. 3151-3166, 2005.
- Cook, Peter D., Stevens, Jonathan and Matias, Aura C., Public Performance Assessment: A Tool for Improving the Accountability and Transparency of Water Distribution. World Bank Bulletin, August 2002.
- Matias, A., A Historical Review of Telecommunications Technology in the Philippines. Paper submitted to UP Center for Integrative Studies, November 1999.
- Matias, A., The Continuing Engineering Education Program of the National Engineering Center, University of the Philippines. AEESEAP Journal of Engineering Education, December 1998, Vol. 28 No. 1 & 2, pp 8-11.
- Matias, A. and Salvendy, G., Carpal Tunnel Syndrome Causation among VDT Operators. Occupational Ergonomics: Journal of the International Society for Occupational Ergonomics and Safety. Vol. 1 No. 1, 1998.
- Matias, A. and Salvendy, G, Predictive Models of Carpal Tunnel Syndrome Causation Among VDT Operators. Ergonomics: International journal of

research and practice in Human Factors and Ergonomics, Vol. 41 No. 2, February 1998

Matias, A. and Salvendy, G., Predictive Models of Carpal Tunnel Syndrome among office personnel. Design of Computing Systems: Cognitive Considerations. (Eds:G. Salvendy, M. Smith & R. Koubek), Proceedings of the 7th International Conference on Human-Computer Interaction (HCI '97), San Francisco, California, USA. August 24-29,1997. Elsevier Publishing, Inc. pp. 529-532.

Matias, A., A Productivity Index Model for Philippine Engineering Schools. Philippine Engineering Journal, December 1996, Vol. XVII No. 2. pp 29-38.

Conference Proceedings:

Grepo, Lorelie C., & Matias, Aura C., Development of a User-based Evaluation Checklist for Learning Management Systems. Proceedings of the 2nd Southeast Asian Network of Ergonomic Societies (SEANES) Conference, Meritus Pelangi Beach & Spa Resort, Langkawi, Malaysia, July 9-12, 2012.

Daway, Rhey David S. & Matias, Aura C., Developing the Bounded Inventory Level Policy as an Inventory Control Mechanism for Re-entrant Lines. Proceedings of the 4th PIIE Research Conference, Mandarin Oriental Hotel, March 13, 2010.

Co, Damirson & Matias, Aura C., The Associated Effects of Shift Work on Absenteeism and Productivity Among Inbound Customer Service Representativess. Proceedings of the 4th PIIE Research Conference, Mandarin Oriental Hotel, March 13, 2010.

Bauyon, Lisa & Matias, Aura C., An Ergonomic Evaluation and Analysis for Identifying Risk Factors that Contribute to Musculoskeletal Disorder and Other Related Illness Exposures in Sugarcane Harvesting. Proceedings of the 4th PIIE Research Conference, Mandarin Oriental Hotel, March 13, 2010.

Grepo, Lorelie C. & Matias, Aura C., Application of Work Measurement in the Analysis of the True Copy of Grades Processing at the UP College of Engineering. Proceedings of the 4th PIIE Research Conference, Mandarin Oriental Hotel, March 13, 2010.

Daway, Rhey David S. & Matias, Aura C., A Simulation Study on the Performance of a Reentrant line Operated under the Bounded Inventory Level Policy”, Proceedings of the 3rd ORSP National Conference, Manila, November 20, 2009.

Mancenido, Michelle V. & Matias, Aura C., The Holistic Integrated Approach: An Alternative Approach to Performance Measurement in Law Enforcement Organizations. Proceedings of the 3rd ERDT Conference, EDSA Shangrila Hotel, Makati City, September 11, 2009.

Encinas, Catherine S. & Matias, Aura C., A Sustainability Assessment Framework for Philippine Solar Energy Projection Off-Grid Stand-Alone Applications. Proceedings of the 3rd ERDT Conference, EDSA Shangrila Hotel, Makati City, September 11, 2009.

- Mancenido, Michelle V. & Matias, Aura C., The Holistic Integrated Approach: An Alternative Approach to Performance Measurement in Law Enforcement Organizations. Proceedings of the 3rd ERDT Conference, EDSA Shangrila Hotel, Makati City, September 11, 2009.
- Matias, A., Risk Assessment of Personal Protective Equipment of Filipino Firefighters. Proceedings of the 1st International Conference of Applied Ergonomics, Las Vegas, Nevada, USA, July 14-17, 2008.
- Ma Teodora E. Gutierrez and Aura C. Matias, Online Learner's Interactions and Characteristics Affecting Satisfaction and Academic Performance: A Philippines Case Study. Proceedings of the 2007 International Conference of the Australasian Society for Computer Learning in Tertiary Education (ASCILITE 2007), Nanyang Technological University, Singapore, December 2-5, 2007.
- Matias, A., Development of a Multi-Criteria Decision Model for the Evaluation of Water Distribution Services by Private Concessionaires in the Philippines. Proceedings of the 7th International Conference of the Asia-Pacific Operational Research Societies (APORS 2006), Manila, Philippines, January 16-18, 2006.
- Matias, A. and Lorenzo, L., Measuring Customer Service Quality in the Evaluation of Water Distribution Service by a Public Utility Agency. Proceedings of the 6th International Conference of the Asia Pacific Industrial Engineering and Management Conference (APIEMS 2005), Manila, Philippines. December 4-7, 2005.
- Dela Cuesta, L. & Matias, A., Associated Effects of Shiftwork on Productivity & Health in Outbound Call Center Operations in the Philippines. Proceedings of the 11th International Conference on Human-Computer Interaction, Las Vegas, NV, July 22-27, 2005.
- Matias, A., Perspectives of Ergonomics Awareness and Practice in the Philippines. Proceedings of the Congress and International Conference of the Southeast Asian Ergonomics Society (SEAES), Bali, Indonesia, May 23-25, 2005
- Vergara, A. and Matias, A. Anthropometric Data Of Selected Filipinos in Metro Manila for Residential Seat Design: A Pilot Study, Proceedings of the 15th Triennial Congress of the International Ergonomis Association (IEA 2003), Seoul, Korea. August 24-29, 2003.
- Meriales, C. and Matias, A. Usability of Hierarchical Task Analysis for Fitting the Task of Filipinos with Cognitive Disability, Proceedings fo the International Conference on Cognitive Ergonomics, Stockholm, Sweden. May 2001.
- Matias, A. and Salvendy, G. and Kuczek, T., Carpal Tunnel Syndrome among Computer Office Personnel: Causations and Predictions. Advances in Applied Ergonomics, Proceedings of the 1st International Conference on Applied Ergonomics, Istanbul, Turkey. April 15-20, 1996.

Unpublished works:

Matias, A., Predictive Models of Carpal Tunnel Syndrome (CTS) Causation Among VDT Operators. Ph.D. Dissertation, School of Industrial Engineering, Purdue University, West Lafayette, IN, USA. May 1996.

Matias, A., The Development of a Productivity Index for Engineering Schools using Multi-Attribute Analysis. M.S. Thesis, Department of Industrial Engineering and Operations Research, University of the Philippines, Diliman, Quezon City. April 1989.

P A P E R S P R E S E N T E D I N
C O N F E R E N C E / C O N G R E S S E S / C O N V E N T I O N S

Keynote/Plenary Speeches:

Matias, A., "Global Leaders in Engineering Education". 1st Engineering Women's Summit, Century Park Hotel, Manila, September 23, 2016.

Matias, A., "Engineering Career Opportunities". 14th Philippine Schools Overseas Conference, Diamond Hotel, May 18, 2016.

Matias, A., "DOST-Enterprise", IDEA Global Entrepreneurship Symposium 2015, Radisson Blu Hotel, Cebu City, February 26, 2015.

Matias, A., "ERDT: Challenges & Opportunities", International Conference on Electrical, Electronics and Computer Engineering, University of Perpetual Help, Las Pinas, February 12, 2015

Matias, A., "ERDT: Industry-Academe Collaboration", SEIPI National Convention, SMX Convention Center, June 7, 2013.

Matias, A., "Ergonomics and Safety for All: Academia, Industry and Community". Asia Pacific Symposium on Advancements in Ergonomics and Safety (ERGOSYM 2011), Universiti Malaysia Perlis, December 5, 2011.

Matias, A., "Utilizing Philippine Mining Products in Local Manufacturing Industries". 4th AUN/SEED Net Regional Conference on Natural Resources & Materials/ 4th Metallurgical Engineers Conference (METCON), Subic Travelers Resort & Hotel, Olongapo City, Zambales, October 27, 2011.

International/Regional Conferences:

Matias, A. & Ferreira, S., "Philippine Learning Center for Environment & Sustainability: Opportunities, Challenges and Lessons Learned from 1st Two Years of Operation", IAIA 2016 International Conference, Nagoya Congress Center, Japan, May 12-13, 2016.

Matias, A.C. & Rustico, E.Z., "Assessment of Possible Factors Affecting Severity of Muscle Fatigue among Convenience Store Employees", 7th International Conference on Applied Human Factors & Ergonomics and Affiliated Conferences (AHFE 2015), Ceasar's Palace, Las Vegas, USA, July 26-30, 2015

- Kurata, Y.B., Bano, R.P., Matias, A.C., "Effects of Workload on Academic Performance among Working Students in an Undergraduate Engineering Program", 7th International Conference on Applied Human Factors & Ergonomics and Affiliated Conferences (AHFE 2015), Ceasar's Palace, Las Vegas, USA, July 26-30, 2015
- Rustico, E.Z., Matias, A.C., Grepo, L.C., "Manpower Utilization in the Powder Coating Production of a Powder Coating Company", 7th International Conference on Applied Human Factors & Ergonomics and Affiliated Conferences (AHFE 2015), Ceasar's Palace, Las Vegas, USA, July 26-30, 2015
- Novabos, C. & Matias, A.C., "How Good is this Destination Website: A User-centered Evaluation of Provincial Tourism Websites", 7th International Conference on Applied Human Factors & Ergonomics and Affiliated Conferences (AHFE 2015), Ceasar's Palace, Las Vegas, USA, July 26-30, 2015
- Kurata, Y.B., Matias, A.C., Grepo, L.C., "Manpower Utilization in the Hotdog Meat Processing Production of a Meat Processing Company", 7th International Conference on Applied Human Factors & Ergonomics and Affiliated Conferences (AHFE 2015), Ceasar's Palace, Las Vegas, USA, July 26-30, 2015.
- Matias, A. & Indardaya, Abdulah P., "Designing an Arm Support to Minimize UECTD Risk among Filipino Electronic Technicians using QFD, KANO Model, TRIZ and Anthropometry", 6th International Conference on Human Factors and Ergonomics and Affiliated Conferences 2014, Krakow, Poland, June 19-23, 2014.
- Matias, A., Baraquel, K., Barrios, M., Millare, L. and Ocampo, C., "Perceptions of Traffic Enforcers on Road Traffic Noise and Its Potential Non-Auditory Effects. 4th International Conference on Applied Human Factors & Ergonomics (AHFE 2012), Hilton Hotel, Union Square, San Francisco, USA, July 21-25, 2012.
- Matias, A., Macaranday, R., Mangubat, J., Reyes, R. and Tan, J., "A Study on Shoe Sizing Systems: Foot Anthropometry of Filipino Children aged 7-12. 4th International Conference on Applied Human Factors & Ergonomics (AHFE 2012), Hilton Hotel, Union Square, San Francisco, USA, July 21-25, 2012.
- Grepo, Lorelie C., & Matias, Aura C., Development of a User-based Evaluation Checklist for Learning Management Systems. Proceedings of the 2nd Southeast Asian Network of Ergonomic Societies (SEANES) Conference, Meritus Pelangi Beach & Spa Resort, Langkawi, Malaysia, July 9-12, 2012.
- Matias, A., Risk Assessment of Personal Protective Equipment of Filipino Firefighters. Proceedings of the 1st International Conference of Applied Ergonomics, Las Vegas, Nevada, USA, July 14-17, 2008.
- Ma Teodora E. Gutierrez and Aura C. Matias, Online Learner's Interactions and Characteristics Affecting Satisfaction and Academic Performance: A Philippines Case Study. Proceedings of the 2007 International Conference of the Australasian Society for Computer Learning in Tertiary Education (ASCILITE 2007), Nanyang Technological University, Singapore, December 2-5, 2007.

- Matias, A., Development of a Multi-Criteria Decision Model for the Evaluation of Water Distribution Services by Private Concessionaires in the Philippines. Proceedings of the 7th International Conference of the Asia-Pacific Operational Research Societies (APORS 2006), Manila, Philippines, January 16-18, 2006.
- Matias, A. and Lorenzo, L., Measuring Customer Service Quality in the Evaluation of Water Distribution Service by a Public Utility Agency. Proceedings of the 6th International Conference of the Asia Pacific Industrial Engineering and Management Conference (APIEMS 2005), Manila, Philippines. December 4-7, 2005.
- Dela Cuesta, L. & Matias, A., Associated Effects of Shiftwork on Productivity & Health in Outbound Call Center Operations in the Philippines. 11th International Conference on Human-Computer Interaction, Las Vegas, NV, July 22-27, 2005.
- Matias, A., Perspectives of Ergonomics Awareness and Practice in the Philippines. Congress and International Conference of the Southeast Asian Ergonomics Society (SEAES), Bali, Indonesia, May 23-25, 2005
- Vergara, A. and Matias, A. Anthropometric Data Of Selected Filipinos in Metro Manila for Residential Seat Design: A Pilot Study, 15th Triennial Congress of the International Ergonomis Association (IEA 2003), Seoul, Korea. August 24-29, 2003.
- Meriales, C. and Matias, A. Usability of Hierarchical Task Analysis for Fitting the Task of Filipinos with Cognitive Disability, Stockholm, Swedem, 2002.
- Matias, A. and Y. Aoshima. Recent Developments on the ASEAN Virtual University of Science and Technology, 1st International Conference on Learning and Teaching On-line (LTO 2001), Guangzhou, China. January 10-12, 2001.
- Matias, A., ASEAN Virtual University of Science and Technology, International Conference on Engineering Education (AEESEAP 2000). Triennial Conference of the Association for Engineering Education in Southeast Asia and the Pacific. Bali, Indonesia, August 23-25, 2000.
- Matias, A. ASEAN Virtual University of Science and Technology, International Millennial Conference on Engineering Education (IMCEE 2000), Philippine Association for Technological Education, Inc. (PATE), Manila Midtown Hotel, Manila. January 27-29, 2000.
- Matias, A., Country reaction Paper: Mutual Recognition in APEC Countries. Mid-term Conference on Engineering Education, Association for Engineering Education in Southeast Asia and the Pacific (AEESEAP), Chulalongkorn University, Bangkok, Thailand. May 11-16, 1999.
- Matias, A. and Salvendy, G., Predictive Models of Carpal Tunnel Syndrome among office personnel. 7st International Conference on Human-Computer Interaction (HCI '97), San Francisco, California, USA. August 24-29, 1997. Elsevier Publishing, Inc. pp. 529-532.

Matias, A. and Salvendy, G. and Kuczek, T., Carpal Tunnel Syndrome among Computer Office Personnel: Causations and Predictions. *Advances in Applied Ergonomics*, 1st International Conference on Applied Ergonomics, Istanbul, Turkey. April 15-20, 1996.

National Conferences:

Matias, A., "CHED Memo", UP Diliman General Education Conference, NIP Auditorium, September 28, 2015.

Matias, A., "UPNEC Philippine Quality Challenge Experience", 2nd National Symposium on Workplace Cooperation for Quality & Profitability, ISSI, UP Diliman, March 22, 2013.

Matias, A., Is Pain at the Workplace Preventable?: Ergonomic Interventions, 100th National Convention Philippine Medicine Association (PMA), EDSA Shangrila Hotel, May 25, 2007.

Matias, A., EFFECTS OF SHIFTWORK ON OUTBOUND CALL CENTER AGENTS, 29th National Convention Philippine College of Occupational Medicine (PCOM), Heritage Hotel, March 30, 2007.

Matias, A., OPERATIONS RESEARCH EDUCATION IN THE UNIVERSITY OF THE PHILIPPINES DILIMAN, 10th Anniversary and National Congress of the Operations Research Society of the Philippines (ORSP), Makati Shangrila Hotel, February 16, 2007.

Matias, A., ADDING VALUE TO THE WORKPLACE, 4th National Industrial Engineering Congress, PIIE, Mandarin Oriental Hotel, February 27, 2004.

Matias, A., et.al., GENDER PREFERENCE OF PATIENTS IN THE SELECTION OF ATTENDING PHYSICIANS, 1st PIIE Research Conference, Mandarin Oriental Hotel, October 10-11, 2003.

Matias, A., et.al., AN ERGONOMIC EVALUATION AND DESIGN OF THE SCUBA DIVING MASK FOR THE FILIPINO FACE, 1st PIIE Research Conference, Mandarin Oriental Hotel, October 10-11, 2003.

Matias, A., INTEGRATING ERGONOMICS AND WORK MEASUREMENT, 3rd National Industrial Engineering Congress, PIIE, Mandarin Oriental Hotel, February 28, 2003.

Matias, A., ERGONOMICS FOR HEALTH CARE PROVIDERS, Symposium on Ergonomics for Health Care Providers. Department of Health (DOH), San Lazaro Theatre, Manila. May 30, 2002.

Matias, A., ERGONOMICS: ADDRESSING THE LEADING OCCUPATIONAL HAZARDS, 2nd Environmental & Occupational Health Convention, Department of Health (DOH), GSIS Ampitheatre, Manila. April 17, 2003.

Matias, A. HEALTH AND SAFETY CONCERNS OF SHIFTWORK, National Convention of the Philippine College of Occupational Medicine (PCOM), EDSA Shangrila Hotel, Mandaluyong City. February 26, 2002.

Matias, A. INDUSTRIAL ENGINEERING PROFESSIONAL CERTIFICATION, 1st National Industrial Engineering Congress, PIIE, Mandarin Oriental Hotel, March 1-2, 2001.

Matias, A. HEALTH EFFECTS OF HUMAN-COMPUTER INTERACTION (HCI) ENVIRONMENTS, National Convention of the Philippine College of Occupational Medicine (PCOM), Manila, February 20, 2001.

Matias, A. WORK ORGANIZATION AND PSYCHOSOCIAL FACTORS, National Convention of the Philippine College of Occupational Medicine (PCOM), Manila, February 14, 2000.

Matias, A. INTERVENTIONS IN THE WORKPLACE FOR THE AGING WORKER. National Convention of the Philippine College of Occupational Medicine (PCOM), Manila, February 15, 1999.

C O N F E R E N C E S / S E M I N A R S / T R A I N I N G S
A T T E N D E D

1. Short Course on "Restrictions on Hazardous Substances (ROHS)", CoE-NEC Environmental Engineering Program, July 25, 2005, UP National Engineering Center
2. Fieldwise Seminar on Environmental Engineering, AUN/SEEDNet, August 30-31, 2005, Manila Hotel
3. PATE National Conference, November 10-11, 2005, University of Sto. Tomas, Manil
4. Energy Technology Conference on "Energy Mgt and Conservation Today, Tomorrow's Security", Energy Mgt Assoc of the Phil (ENMAP), December 5-7, 2006, Renaissance Makati City Hotel
5. 74th General Assembly of the National Research Council of the Philippines (NRCP), March 8-9, 2007, Manila Hotel
6. UNESCO-IHP Intl Conference on Hydrology and Water Resource Management for Hazard Reduction and Sustainable Devt (HRSD 2007, November 19-23, 2007, Intercontinental Hotel
7. ORSP National Forum on Natural Resouce Management, July 28, 2007, UP National Engineering Center
8. 75th General Assembly of the National Research Council of the Philippines (NRCP), February 12, 2008, Manila Hotel
9. 10th National Congress of the Philippine Institute of Industrial Engineeris (PIIE), March 6-7, 2008, Mandarin Oriental Hotel
10. Zonal Orientation for the Policies & Standards for BSIE, Crown Regency Hotel, April 18, 2008
11. Lakbay Aral: Tour of Manila Water Company Balara Filtration Plant, MWCI, May 9, 2008
12. SAS Solutions Overview, SAS Philippines, Makati City, June 10, 2008
13. 30th Annual Scientific Meeting, National Academy of Science & Technology, Manila Hotel, July 9-10, 2008
14. UP College of Engineering Faculty Conference, Subic Villa Resort, Zambales, August 29-30, 2008
15. 1st International Post-Graduate Course on Occupational Health and Safety, October 20-25, 27, 28, 2008, College of Public Health, University of the Philippines Manila
16. Symposium on Water Safety Plan, AusAid/WHO, Beta Epsilon Multimedia Room, UP College of Engineering, November 26, 2008
17. Lean Six Sigma Symposium, IE/OR Department, Engineering Theatre, UP College of Engineering, November 28, 2008
18. Basic First Aid Training, UP National Engineering Center, January 15, 2009
19. 2nd ERDT Conference, February 20, 2009

20. 11th PIIE National Congress, Mandarin Oriental Hotel, March 6, 2009
21. 76th NRCP General Assembly, Manila Hotel, March 11, 2009
22. ORST Technical Forum on OR Education, Asia Pacific College, March 14, 2009
23. PCHRD Technical Forum, Pan Pacific Hotel, March 16, 2009
24. Industry Forum on Service Science, Management and Engineering, COMSTE/IBM, EDSA Shangri-la Hotel, April 16, 2009
25. 3rd ERDT Conference, EDSA Shangri-la Hotel, Makati City, September 11, 2009
26. 3rd OR National Conference, "OR:Paving the Road to Recovery", ORSP, Dusit Hotel, Makati City, November 13, 2009
27. International Conference on Safe Hospitals, EDSA Shangri-la Hotel, December 2-3, 2009
28. Energy Congress, February 16, 2010
29. 4th ERDT Conference, Hotel Sofitel, Manila, February 19, 2010
30. 1st ARISE Conference, "Advancing Research in Industrial and Systems Engineering", Department of Industrial Engineering & Operations Research, Engineering Theatre, UP College of Engineering, UP Diliman, February 23, 2010
31. 77th NRCP General Assembly, Manila Hotel, March 10, 2010
32. 10th PIIE National Congress and 4th Research Conference, "75 Years of IE in the Philippines: A Celebration of Excellence", Mandarin Oriental Hotel, March 12-13, 2010
33. PCIERD@28 National Convention, "Taking the Extra Mile in Facing Global Climate Challenges", Hyatt Regency Hotel, March 17, 2010
34. 5th ERDT Conference, Hotel Sofitel, Manila, September 10, 2010
35. PATE National Conference, National University, Manila, September 17, 2010
36. PhilDev Forum, Fairmont Hotel, San Jose, CA USA, September 25, 2010
37. 1st Global Engineering Dean's Conference (GEDC), Marina Sands Hotel, Singapore, October 18-20,2010.
38. 17th AUN/SEED-Net Steering Committee Meeting, Brunei Darrusalam, November 8, 2010.
39. 6th ERDT Conference, Diamond Hotel, Manila, February 18, 2011.
40. 1st ERDT Congress, "*The Inventive Engineer: Patents and Commercialization*", PICC, February 24, 2012.
41. 7th ERDT Conference, Manila Hotel, Manila, September 15, 2011.
42. 8th ERDT Conference, PICC, Manila, February 24, 2012.
43. ERDT R&D Summit, Diamond Hotel, Manila, December 7, 2012.
44. STS Workshop, DAP Tagaytay City, February 16-17, 2013
45. NRCP General Membership Meeting, Manila Hotel, March 13, 2013. UP College of Engineering Recipient of the 2013 NRCP Outstanding Research Institution Award.
46. 2nd ERDT Congress, "*K2M: Knowledge to Market (Engineering to Enterprise)*", PICC, Manila, June 14, 2013
47. Guest Speaker, PCIEERD Anniversary, New World Hotel, June 28, 2013
48. NAST Annual Scientific Meeting, Manila Hotel, July 10, 2013.
49. UPD General Education Conference, NIP, October 17-18, 2013.
50. NAST International Symposium on Emerging Technologies for a Greener Earth, Manila Hotel, October 22, 2013.
51. Conference Chair, SB13 Manila Conference: Sustainable Buildings, Infrastructures and Communities in Emerging Economies, Acacia Hotel, Manila, Philippines, November 25-27,2013.
52. APIEMS Conference & 9th ERDT Conference, Radisson Blu Hotel, Cebu City, December 4-6, 2013

53. 3rd ERDT Congress, *"Science and Technology for Disaster Preparedness and Resiliency"*, SMX Convention Center, Manila, July 25, 2014.
54. 10th ERDT Conference, Palawan, November 13, 2014
55. AUN-QA Tier 1 Training, Novotel Platinum Hotel, Bangkok, January 27-31, 2015
56. Convenor, NAST RTD on "Design for Healthy Work & Living Environments", Hotel Jen, February 5, 2015.
57. Panelist, USAID STRIDE CARWIN Grants Deliberation, February 11, 2015.
58. Speaker, RTU Symposium, Momarco Resort, Tanay, March 13, 2015.
59. PBDI Consortium, Launch, Dusit Hotel, March 17, 2015.
60. Temasek Foundation-NUS Institutional Leadership Training, MSI, March 23-25, 2015.
61. DOST-SEI RTD on S&T Priority Courses, Astoria Plaza, April 22, 2015.
62. Asian Engineering Deans Summit, NUS, Singapore, May 11-13, 2015.
63. NAST RTD on AEC Impact on Innovation Framework, Crowne Plaza Hotel, May 21, 2015.
64. AUN-SEED Net Workshop, Bangkok, June 12, 2015.
65. Panel Discussant, "Ensuring Patient Safety into Technology Design", 1st ASEAN Patient Safety Congress, Sofitel, June 26, 2015.
66. Plenary Panel Discussant, PIIE/ICPR Conference, Marriot Hotel, July 5, 2015.
67. 37th NAST Annual Scientific Meeting, Manila Hotel, July 8-9, 2015.
68. 11th ERDT Conference & 4th ERDT Congress, SMX Convention Center, Manila, July 20, 2015
69. 3rd International Conference on the Human Side of Service Engineering, Ceasar's Palace, Las Vegas, USA, July 26-29, 2015.
70. 16th International Conference on the Human Aspects of Advanced Manufacturing: Managing Enterprise of the Future, Las Vegas, USA, July 26-29, 2015.
71. AESEAP, Bandung, Indonesia, August 19-21, 2015.
72. Participant, UP-CIDS Policy Discussion Series on ASEAN Integration: Implications on Philippine Higher Education and Professionals, September 8, 2015.
73. 2015 Innovation Summit, September 21, 2015.
74. 4th National Climate Change Conference, NAST, Hotel Jen, September 23, 2015.
75. Guest Speaker, Camp Atienza Day, 51st Engineer Brigade, Camp Atienza, October 8, 2015.
76. Panel Reviewer, DOST-Newton Fund, Marco Polo Hotel, October 13, 2015.
77. Opening Message, Regional Conference on Electrical Engineering, Acacia Hotel, October 16, 2015.
78. NAST RTD on Information Sharing, NAST Bicutan, October 29, 2015.
79. MI Representative, AUN-SEED Net Steering Committee Meeting, Bangkok, Thailand, November 26-27, 2015.
80. 12th ERDT Conference, December 9, 2015.
81. EPDP Conference 2016, New World Hotel, January 13, 2016.
82. AUN-QA Tier 2 Training, Diamond Hotel, January 21-27, 2016.
83. PIIE General Membership Meeting & CIE Oath-taking, Marriot Hotel, January 29, 2016.
84. CEO Forum, Meralco Lighthouse, February 16, 2016.
85. PSYSC Anniversary, Tejeros Hall, AFP Club, Camp Aguinaldo, March 5, 2016.
86. Welcome Remarks & Critique, "Pagtuturo sa Inhenyeriya", Forum ng Komisyon ng Wikang Filipino, Maynilad Room, UP College of Engineering, March 30, 2016.
87. BPI Science Award and Environmental Forum, Mind Museum, April 5, 2016.
88. COE Junior Faculty Conference, Cristina Villas Resort, Antipolo City, April 9-10, 2016.
89. Welcome Remarks, PHILGEOS 2016 Conference, NIP Auditorium, April 20, 2016.
90. Discussant, Philippine Lidar National Conference on Assessment and Sustainability, Microtel UP Technohub, April 22, 2016.
91. DRRM Summit 2016, Hive Hotel, May 4, 2016.

92. NAST Policy Forum on STEM K-12, H2O Hotel, Manila, June 23, 2016.
93. NAST Policy Forum on Human Resource Development, Astoria Plaza, Ortigas, June 30, 2016.
94. 38th NAST Annual Scientific Meeting, Manila Hotel, July 13-14, 2016.
95. Speaker, NAST Lecture Series and Symposium for the Youth, Marco Polo Hotel, Davao City, August 16, 2016.
96. Guest Speaker, 2016 Panasonic Scholarship Program, Maynilad Room, September 1, 2016.
97. RTD on the RxBox, NIH Conference Room, UP Manila, September 8, 2016.
98. NAST Policy Forum on the Precautionary Principle: Implications for Public Policy, Hotel Jen, Manila, September 8, 2016.
99. Speaker, "Initiatives and Researches supported by DOST through ERDT", Better Mine Workshop, Microtel UP Technohub, September 9, 2016.
100. Guest Speaker, "PIE and ASEAN Engineer Registry for Industrial Engineering Professionals", Mapua Alumni Association, MIT Makati, September 17, 2016.
101. Guest Speaker, "Faculty Development", DMMME Academic Productivity Incentive Workshop, Tanay Rizal, September 23, 2016.
102. Training on Natural Habitats and Preservation of Cultural Resources, UPNEC/World Bank, Subic Bay Travelers Hotel, September 27-30, 2016.
103. NAST Policy Forum on the Bataan Nuclear Power Plant, Astoria Plaza, November 25, 2016.
104. Scientific Career Service Oath-taking, Acacia Hotel, Alabang, November 28, 2016.

A D D I T I O N A L P R O F E S S I O N A L A C T I V I T I E S

RESOURCE PERSON FOR SHORT COURSES, SEMINARS AND LECTURES

Work Design and Work Measurement
Value Engineering
Operations Research Methods
Total Quality Management (TQM)
Industrial Engineering Tools and Techniques
Industrial and Office Ergonomics
Safety Engineering
Human Factors Engineering

TECHNICAL CONSULTANCY, RESEARCH AND DEVELOPMENT

Productivity Studies
Human Factors Studies
Occupational Hazard and Ergonomic Assessments
Project Feasibility Studies
Consumer
Technology and Environmental Risk Assessments

P R O F E S S I O N A L M E M B E R S H I P S

INTERNATIONAL:

PHI KAPPA PHI HONOR SOCIETY (CHAPTER 045 UNIVERSITY OF THE PHILIPPINES)
MEMBER, COUNCIL OF ADVISERS, SINCE JULY 2016
PRESIDENT 2010-2012; 2013-2015
ASSISTANT TREASURER 2007-2010
AUDITOR 2004-2007
SECRETARY 2001-2004
FACULTY INDUCTEE, APRIL 2000

ASSOCIATION OF ENGINEERING EDUCATORS IN SOUTHEAST ASIA AND THE PACIFIC
(AEESEAP)
Secretary General, 1997-2000
Honorary Member, 2000
COUNTRY REPRESENTATIVE, 2010-2016

ASEAN UNIVERSITY NETWORK/SCIENCE & ENGINEERING EDUCATION NETWORK
(AUN/SEED NET)
HOST INSTITUTION REPRESENTATIVE, 2010-2016

ALPHA PI MU HONOR SOCIETY
OMEGA RHO HONOR SOCIETY
ORDER OF THE ENGINEER
INSTITUTE OF INDUSTRIAL ENGINEERS (IIE), SENIOR MEMBER
INTERNATIONAL ERGONOMICS ASSOCIATION (IEA), COUNCIL MEMBER
HUMAN FACTORS AND ERGONOMICS SOCIETY (HFES)
OPERATIONS RESEARCH SOCIETY OF AMERICA (ORSA)
AMERICAN SOCIETY FOR ENGINEERING EDUCATION (ASEE)
SOCIETY OF WOMEN ENGINEERS, PURDUE CHAPTER (SWE)
INTERNATIONAL ASSOCIATION FOR CONTINUING ENGINEERING EDUCATION
(IACEE), INDIVIDUAL MEMBER

LOCAL:

NATIONAL RESEARCH COUNCIL OF THE PHILIPPINES (NRCP)
DIVISION VII, SECTION HEAD (ENGINEERING EDUCATION), 2010-2011
DIVISION VII, SECTION HEAD (INDUSTRIAL PROCESSES & SYSTEMS), 1998-2002
REGULAR MEMBER, SINCE 1999
ASSOCIATE MEMBER, 1996-1999

PHILIPPINE ASSOCIATION FOR TECHNOLOGICAL EDUCATION (PATE), INC.
NRC DIRECTOR, 2010-2012

PHILIPPINE ERGONOMICS SOCIETY (PHILERGO)
PRESIDENT, 2002-2010
FOUNDING MEMBER, 2002

PHILIPPINE INSTITUTE OF INDUSTRIAL ENGINEERS (PIIE)
CHAIR, IE CERTIFICATION BOARD, 2002-PRESENT
VICE-PRESIDENT FOR PUBLICATION, 1998-2000
FOUNDING MEMBER, 1998

OPERATIONS RESEARCH SOCIETY OF THE PHILIPPINES (ORSP)
BOARD MEMBER, APRIL 2005-MARCH 2009
COUNCIL OF ADVISERS, 1999-LIFETIME
TREASURER, MAY 1998 – APRIL 1999
PRESIDENT, APRIL 1996-MARCH 1998

PHILIPPINE SOCIETY OF YOUTH SCIENCE CLUBS, INC. (PSYSC)
BOARD MEMBER, JUNE 2011-MAY 2019

ASSOCIATION OF MANAGEMENT AND INDUSTRIAL ENGINEERS OF THE PHILIPPINES
(AMIEP)
SECRETARY AND DIRECTOR, 1990-1993

U.P. ALUMNI ENGINEERS
ASSISTANT TREASURER, 2003-2004
TREASURER, 1997-2003

UP ELEMENTARY 1973 & UP INTEGRATED SCHOOL 1977 ALUMNI ASSOCIATION,
INC.
TREASURER, 1998 – 2010