

CHRISTIAN MALACAPO MORTEL

Assistant Professor III
Romblon State University



PROFILE

He is a registered mechanical engineer who had professional field experiences in elevator installation and HVAC-R (heating, ventilating, Air -conditioning, refrigerating) installations and commissioning before engaged in a teaching profession. He teaches mechanical engineering subjects for 8 years with research papers presented in an international, national and local Conferences. He also published his research work in a Scopus-Indexed conference proceedings.

CONTACT

09454186124

EMAIL:

xtian_mortelme@rsu.edu.ph.

RESEARCH INTERESTS

Design and Development of Machines
Optimization of Machines
Computational Fluid Dynamics Simulations

ELIGIBILITY

- Registered Mechanical Engineer 84.35% Rating
- National Certificate II in Refrigeration and Air-conditioning
- National Certificate II in Driving

EDUCATION

Master of Engineering (Mechanical Engineering)

Technological Institute of the Philippines
Cubao, Quezon City
CHED Scholar
June 2016 – March 2018

Bachelor of Science in Mechanical Engineering

Romblon State University
Odiongan, Romblon
With Academic Distinction, Leadership and Journalism Awards
June 2008 – March 2013

Romblon National High School

Romblon, Romblon
June 2004 – March 2008

Bagacay Elementary School

Romblon, Romblon
2004

WORK EXPERIENCE

Romblon State University

Assistant Professor III – Permanent
November 2022 – Present

Designations:

Chairperson, BSME Program (August 2021-Present)

Major Accomplishments:

- Submitted the necessary documents for application for Certificate of Program Compliance (COPC);
- Lead the program in the preparation and submission of the documents for the AACCUP Level 4 Accreditation; and
- Strategize interventions to increase the performance rate in the Board Examination.

Team Leader, Inventory of the Buildings, Electrical and mechanical Equipment

Land Use Development and Infrastructure Plan (LUDIP)

Major Accomplishments:

- Submitted the Phase 1 of the project which is the Inventory of the all Buildings, electrical and Mechanical equipment of the Main Campus and satellite campuses; and
- Acquired equipment to be used in the building integrity assessment and mechanical and electrical evaluation.

Romblon State University

Instructor 1 – Permanent
January 07, 2015 – November 2022

Designation:

Head, Mechanical Section Unit

Physical Plant and Facilities Office (August 2020 August 2021)

Major Accomplishments:

- Designed and cost estimated the sprinkler system and airconditioning system of the Construction of University Library; and
- Designed cost estimated the sprinkler system and airconditioning system of the Biology Laboratory of the University.

Romblon State University

Lecturer

November 2014 – January 2015

Designation:

Research Coordinator, CET

TrendWorks Aircon Inc. - Cadet Mechanical Engineer

June 2014–November 2014

Accomplishments:

- Supervised the installation of the Airconditioning systems of The Medical City, Pasig City.
- Supervised the installation of the replacement of Valves at the NAIA.

International Elevator and Equipment, Inc. - Project Engineer

January 2014– June 2014

Accomplishments:

- Supervise the installation of elevators at the different sites at the same time, prepare and collect the billing of all the assigned projects, namely:
 - AVIDA Towers, BGC, Taguig City.
 - W fifth Tower, BGC, Taguig City
 - Del Rosario Law Firm Building, McKinley

RESEARCH PUBLICATIONS

Optimization of Straight-Bladed Darrieus Type Vertical Axis Wind Turbine for Low Wind velocity

<https://doi.org/10.1051/e3sconf/202021102008>

E3S Web of Conference (Scopus)

Publisher: EDP Sciences

Numerical Simulation of Two Dimensional (2D) Elliptical Shape Savonius Wind Turbine (SWT) Blade using Response Surface Methodology

Co-author of Engr. Charmaine F. Fetalver

American Institute of Physics (IAP) Conference Proceedings 2534, 020002 (2022) (Scopus)

<https://doi.org/10.1063/5.0105197>

Completed and On-Going researches and extension
ENGAGEMENTS

RESEARCH

Completed

- *Development, Performance Evaluation and Utilization of Tiger Grass Post Harvest Technologies*
Externally funded by DOST-MIMAROPA Local GIA
- Optimization of Straight-bladed Darrieus Type Vertical Axis Wind Blade for Low Wind Speed
- Value Optimization Among Process Parameters of Mungbean Shelling Machine
- *Design and Development of Jackfruit Peeling and Slicing Machine*
- Design, development and performance evaluation of Mungbean Shelling Machine

On-Going

Project Leader

- *BASE Project: Building Audit and Energy Assessment; Basis for Policy and Program Development for Infrastructure Planning*
Internally Funded Research
- Project Member
- *Harmonized and Unified Geographic Information System (HUGIS) Research Project*
- Project Member
- *Establishment of Laboratory Scale Research Facility for Characterization of Ground Calcium Carbonates (GCCs) from Romblon Marble Wastes for Possible Commercialization and Industrial Use*
- Externally Funded Research by DOST-MIMAROPA Local GIA

EXTENSION

Completed

- *Information Dissmination and Demonstration of Briquetting and Sieving Machine*
Facilitator
- *Training Workshop on Preparing Project Proposals for Barangay Officials*
Facilitator

On-Going

Lead Proponent

- *Technnology Transfer and Maintenance Operation Procedures of the Devloped Portable Tiger Grass Pollen Remover Machine*

RESEARCH PRESENTATIONS

3rd National Conference on Food, Environment, Engineering and Technology

Bataan Peninsula State University

September 16-17, 2021

Computational Fluid Dynamics of H-Darrieus Wind Turbine Blade using Response Surface Methodology

1st JESSD Symposium, International Symposium of Earth, Energy, Enviromental Science, and Sustanable Development

Universitas Indonesia

September 28-30, 2020

International Integrated Research Conference

Ateneo De Manila University, Manila, Philippines

September 20 – 22, 2019

Optimization of Straight-Bladed Darrieus Type Vertical Axis Wind Turbine for Low Wind velocity

1st Annual National Philippine Consortium for Science, Mathematics and Technology (PCSMT)

La Trinidad, Benguet, Philippines

August 28 – 30, 2019

Design and Fabrication of Jackfruit Peeling and Slicing Machine

1st Research, Education, Business, Science and Arts International Conference (REBSAIC 2019)

June 22 – 24, 2019

Davao City, Philippines

Value Optimization among Process Parameters of Mungbean Shelling Machine through Response Surface Methodology

6th Pacific-Asia Conference on Mechanical Engineering (PACME)

August 29-31, 2017

Malate, Manila, Philippines

Design and Development of Mungbean Shelling Machine

All Researches above were presented in the Local In-research Presentations organized by the Research Unit of the University

PROFESSIONAL ORGANIZATIONS

Philippine Welding Society	Member
Philippine Society of Mechanical Engineers (PSME)	Member
Philippine Society of Mechanical Engineers (PSME)-Romblon Chapter	Auditor
ASIAN Intellect, Inc.	Member

SEMINARS AND TRAININGS

**MIMAROPA Regional Strategic Planning and Futures Thinking
Agenda Setting**

Futures Thinking MIMAROPA
April 19-21, 2023
Club Balai Isabel, Talisay, Batangas

**Regional Consurtium Workshop: High Level Anticipatory Leadership
and Governance Executive Course**

Philippine Futures Thinking Society
December 12-16, 2022

**Capacity Building on Geographic Information System, Data
Analysis, and Scientif Writing Workshop**

April 25-27,l 2022
MAPUA Universiy

68th PSME Virtual National Conference

Philippines Society of Mechanical Engineers
October 17-24, 2021

Special Course on Urban and Regional Planning

University of the Philippines
September 6-17, 2021

**3rd National Conference on Food, Environment, Engineering and
Technology**

Bataan Peninsula State University
September 16-17, 2021

**Training Workshop for Computer Aided Design System using
SolidWorks and AutoCad Software**

Nueva Ecija University of Science and Technology
March 23-24, 2021

**International Collaboration in Engineering, Science, and
Technology for a Resilient New Normal**

Polytechnic University of the Philippines
February 22-28, 2021

**Working Together, Moving Further: The RSU ISO 9001 Certification
Journey**

Romblon State University
October 23, 2020

68th PSME Virtual National Conference

Philippines Society of Mechanical Engineers
October 17-24, 2020

**1st JESSD Symposium, International Symposium of Earth, Energy,
Enviromental Science, and Sustanable Development**

Universitas Indonesia
September 28-30, 2020

International Integrated Research Conference

Ateneo De Manila
Philippine Continuing Profesional Development Training Center,
Inc.
September 20-22, 2019

Hydrostatic Bench Training

HYTECH POWER INC.
September 13-14, 2019

1st Annual National Philippine Council of Science, Mathematics and Technology (PCSMT) Research Congress
Philippine Consortium for Science, Mathematics and Technology
August 28-30, 2019

1st Research, Education, Business, Science and Arts International Conference (REBSAIC 2019)
Asian Intellectual Organization
June 22-24, 2019

Training Workshop for Patent/Utility Model Application Writing
DOST
September 24-26, 2018

6th Pacific-Asia Conference on Mechanical Engineering (PACME) and 6th International Conference on Civil Engineering (ICCE) 2017
Nihon University and Technological Institute of the Philippines
August 29-31, 2017

AWARDS RECEIVED

- PAG-ASA ng RSU 2022**
- LUWAY TEAM on the Development, Performance Evaluation and Utilization of Tiger Grass Post Harvest Technologies
Romblon State University
- Service Award 2022**
- For serving as Chairperson of the BSME program from 2021 to Present
College of Engineering and Technology
- 2020 Professional Growth Award**
- Completion of Master of Engineering Program at the Technological Institute of the Philippines, Quezon City.
- 2nd Best paper**
- 2018 In-house review of Researches and Extensions Outputs
Romblon State University
Design and Fabrication of Jackfruit Peeling and Slicing Machine
- 1st Best Paper**
- 2017 In-house review of Researches and Extensions Outputs
Romblon State University
Value Optimization among Process Parameters of Mungbean Shelling Machine
- 2nd Best Paper**
- 2016 In-house review of Researches and Extensions Outputs
Romblon State University
Design and Fabrication of Mungbean Shelling Machine

BASIC INFORMATION

Residential Address:	Batiano, Odiongan, Romblon
Birthday:	March 01, 1992
Place of Birth:	Romblon, Romblon
Religion:	Roman Catholic
Civil Status:	Married
Spouse:	Abigail Merida Mortel
Mother's Name:	Myrna Malacapo Mortel
Father's Name:	Nemesio Meran Mortel

I hereby declare that the above particulars of facts and information stated are true, correct and complete to the best of my knowledge.


ENGR. CHRISTIAN M. MORTEL
Registered Mechanical Engineer