

## Session Program

October 20, 2025



# Annual In-House Review 2025



**Acad. Fernando P. Siringan, Ph.D.**

Academician, National Academy of  
Science and Technology (NAST)

Professor, UP Marine Science Institute

*Keynote Speaker*

## 23rd MSU-IIT Annual In-House Review of Research and Development Projects

### *Oral Presentations*

MSU-IIT Gymnasium

## Mon, October 20

1:00 PM

### Oral Presentations: Business, Education, Arts, Humanities, and Social Sciences

**Session** | **Location:** Premier Research Institute of Science and Mathematics (PRISM), 2F Conference Room |

**Convener:** Dr Irish Dalona

1:00 – 1:20 PM

#### **Culturally Tailored Maternal Health Care: Examining the Needs of Young Higaonon Mothers**

**Speaker**

Neil Martin

1:20 – 1:40 PM

#### **CLENS: Garbage Awareness App using Gamification and IoT**

**Speaker**

Charlemagne Theodore Yancha

1:40 – 2:00 PM

#### **#Canceled: Predictors of Consumers' Intention to Cancel in the Philippines**

**Speaker**

Safa Manala-O

2:00 – 2:20 PM

#### **The Relationship between Beneficiary Involvement and SDG -Based Projects Effectiveness in Marginalized Communities: The Role of Service Quality as Moderating Variable**

**Speaker**

Abdullah Sirad

2:20 – 2:40 PM

#### **Time Online sexual abuse and exploitation of children (OSAEC) survivors and at-risk children: Designing enhancing gender and social equity development intervention program**

**Speaker**

Alma Maranda

2:40 – 3:00 PM

#### **Language and Culture in the Dinagat Islands: Their Impact on Environmental Stewardship**

**Speakers**

Adelfa Silor, Mark Anthony Torres

3:00 – 3:20 PM

#### **Exploring the Impact of Family Functioning on the Depression Status of the Grade 9 High School Students in Iligan City: Basis for Designing a Family Mental Health Education Program**

**Speaker**

Gloria Shiela Coyoca

5:00 PM

1:00 PM

3:20 – 3:40 PM

### **Assessing the Awareness and Implementation of Sustainable Development Goals: Alignment from Iligan City's Local Government Unit to Barangay Local Government Units**

**Speaker**

Bainorah Amate

## **Oral Presentations: Natural Sciences, Mathematics, Engineering and Technology**

**Session** | **Location:** MSU-IIT Center for eLearning (MICeL) | **Convener:** Dr Mark Tristan Quimque

1:00 – 1:20 PM

### **Epoxy-based Resin with Black Sand: An Alternative Material for Three Phase Induction Motor Stator Core**

**Speaker**

Newman Malaya

1:20 – 1:40 PM

### **AgriCerPSi - Synthesis of Agricultural Waste-Derived Ceramic Porous Silicate Particle**

**Speaker**

Raymond Rivera-Virtudazo

1:40 – 2:00 PM

### **Evaluating Vector and Human Control Strategies for Dengue Transmission in the Philippines in the Absence of Vaccination**

**Speaker**

Michael Subido

2:00 – 2:20 PM

### **Transportation Network Optimization for Iligan City**

**Speaker**

Krizzel Vangie Atoz

2:20 – 2:40 PM

### **Nutrient Load Optimization of Hydrothermal Hydrolysate Liquor from Coffee and Cassava Waste**

**Speaker**

Carlo Alfaro

2:40 – 3:00 PM

### **Development of drone-based computer vision-assisted pavement distress detection (Phase 2)**

**Speaker**

Shiela Mae Barro

3:00 – 3:20 PM

### **Mask, Hairnet and Handwash Monitoring System using Deep Learning and IoT Technology**

**Speaker**

Elaine Krissnell Mira

3:20 – 3:40 PM

**Morphological Taxonomy of Tarantulas (Araneae: Theraphosidae) From the Selected Locations in Mindanao, Philippines**

**Speaker**

Joshua Sumogat

3:40 – 4:00 PM

**Turbulence Generator Integration for Enhanced Heat and Moisture Recovery in Quasi-Counter flow Membrane Heat Exchangers**

**Speaker**

Napoleon Enteria

4:00 – 4:20 PM

**Energy and Greenhouse Gas (GHG) Auditing of Mindanao State University - Iligan Institute of Technology Buildings**

**Speaker**

Hernando Bacosa

5:00 PM