



Republic of the Philippines  
**Department of Education**  
REGION III  
SCHOOLS DIVISION OFFICE OF BATAAN

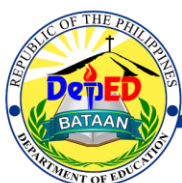
**DIVISION MEMORANDUM**  
**No. 365, s. 2021**

August 18, 2021

**3<sup>RD</sup> NATIONAL CONFERENCE ON FOOD, ENVIRONMENT, ENGINEERING,  
AND TECHNOLOGY CONFERENCE AND 1<sup>ST</sup> INTERNATIONAL FORUM ON  
ADDITIVE MANUFACTURING AND ADVANCED MATERIALS (1<sup>ST</sup> IFAMAM)**

To: Assistant Schools Division Superintendent  
Chiefs of Division, CID and SGOD  
Education Program Supervisors  
Public Schools District Supervisors  
Public and Private School Heads  
All Others Concerned

1. This Office announces the 3<sup>rd</sup> National Conference on Food, Environment, Engineering, and Technology Conference and 1<sup>st</sup> International Forum on Additive Manufacturing and Advanced Materials (1<sup>st</sup> IFAMAM) organized by Bataan Peninsula State University (BPSU) in collaboration with the Philippine Association of Agriculturists, Inc. (PAA)-Tamarind Chapter, to be held on September 15-17, 2021 via zoom.
2. The conference with the theme "Sustainable Agriculture through Disruptive Smart Farming Innovation and Technology" will feature paper presentations under the theme: Food, Environment and Climate Change Mitigation, Engineering and Technology, and Industry, Energy and Emerging Engineering Technology and plenary sessions.
3. The virtual conference aims to:
  - a. convene researches in presenting their innovations and breakthroughs in the field of research
  - b. showcase the economic potentials of the S&T-based innovations, particularly smart farming technologies, which would lead to food sustainability, and optimum economic and social gains.



*"We Mould Heroes"*

**Address:** Bataan Provincial Capitol Compound, Balanga City 2100 Bataan | **Telephone / Fax:** (047) 237-2102  
**Email Address:** [bataan@deped.gov.ph](mailto:bataan@deped.gov.ph) | **Website:** [www.depedbataan.com](http://www.depedbataan.com) | **Facebook Page:** [www.facebook.com/DepEdBataan](https://www.facebook.com/DepEdBataan)



**CSC PRIME-HRM BRONZE AWARD**  
CSC Resolution No. 2001100

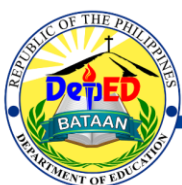


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4. Registration fee and other related expenses relative to the conduct of national conference and international forum can be charged to local funds of the school, subject to the usual accounting and auditing rules and regulations.
5. Attached is the conference poster and program together with registration and paper submission guidelines, for your ready reference.
6. Immediate dissemination of this Memorandum is desired.

**ROLAND M. FRONDA, EdD, CESO VI**  
Assistant Schools Division Superintendent  
Officer-in-Charge  
Schools Division Superintendent

CI7  
August 18, 2021



*"We Mould Heroes"*

**Address:** Bataan Provincial Capitol Compound, Balanga City 2100 Bataan | **Telephone / Fax:** (047) 237-2102  
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**CSC PRIME-HRM BRONZE AWARD**  
CSC Resolution No. 2001100



**PHILIPPINE ASSOCIATION OF AGRICULTURISTS, INC**  
**TAMARIND CHAPTER**

August 16, 2021

**DR. ROLAND M. FRONDA, CESO VI**

OIC-Schools Division Superintendent  
Department of Education-Bataan  
City of Balanga, Bataan

Sir:

Greetings of Peace and Goodwill!

We are glad to inform you that the PAA-Central Luzon (Tamarind Chapter), in partnership with Bataan Peninsula State University-Research and Development Office (BPSU-RDO), will conduct the **3<sup>rd</sup> National Conference on Food, Environment, Engineering, and Technology (3<sup>rd</sup> NCFEET)** and the **1<sup>st</sup> International Forum on Additive Manufacturing and Advanced Materials (1<sup>st</sup> IFAMAM)** on September 15-17, 2021 via Zoom. This conference with the theme "Sustainable Agriculture through Disruptive Smart Farming Innovation and Technology" will feature paper presentations under the themes: Food, Environmental and Climate Change Mitigation, Engineering and Technology, and Industry, Energy and Emerging Engineering Technology, and plenary sessions.

The registration fee will be as follows:

Category	3 <sup>rd</sup> NCFEET	1 <sup>st</sup> IFAMAM
Participant/Student	PHP 500	PHP 500/ USD 11
Paper Presenter	PHP 1,000	PHP 5,000/USD 105
Publication Fee	PHP 1,000	PHP 5,000 / USD 105

In this regard, we would like to invite your Teachers to attend our 1<sup>st</sup> International Forum on Additive Manufacturing and Advanced Materials (1<sup>st</sup> IFAMAM). The said forum will be beneficial to them as it will equip them with the knowledge on all aspects of additive and 3D printing technology. Attached are pertinent documents for your reference.

We shall highly appreciate your support for this activity. Thank you very much.

Very truly yours,

**HERMOGENES M. PAGUIA, PhD**

President, PAA-CL (Tamarind Chapter)  
Vice President, RET  
Bataan Peninsula State University  
City of Balanga, Bataan

**Philippine Association of  
Agriculturists Tamarind Chapter  
Officers:**

Dr. Honorio M. Soriano Jr.  
*Chairman of the Board*

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*President*

Dr. Arthur D. Dayrit  
*Vice President*

Dr. Norman G. De Jesus  
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Prof. Janice M. Baysa  
*Asst Secretary*

Engr. Johanna R. Dizon  
*Treasurer*

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**Advisers:**

Dr. Rosalina Lapitan  
Dr. Roberto F. Ranola



PAA TAMARIND CHAPTER OFFICE: Pampanga State Agricultural University (PSAU)  
PAC, San Agustin, Magalang, Pampanga-2011  
Tel. 045-866-0800 & 09285502561



## PHILIPPINE ASSOCIATION OF STATE UNIVERSITIES AND COLLEGES

No. 142 Scout Rallos Ext., Brgy. Sacred Heart, Diliman, Quezon City

Tel. Nos. 8376-6213/6217 and 7792-7798; Fax No. 8376-6215

Email address: [pasuoffice@gmail.com](mailto:pasuoffice@gmail.com)

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### PASUC ADVISORY NO. 083, s. 2021

For : All SUC Presidents/Heads

From : Dr. Tirso A. Ronquillo  
President

Subject : **3<sup>RD</sup> NATIONAL CONFERENCE ON FOOD, ENVIRONMENT,  
ENGINEERING, AND TECHNOLOGY (NCFEET)**

Date : August 11, 2021

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This is to endorse the 3<sup>rd</sup> National Conference on Food, Environment, Engineering, and Technology (NCFEET) with the theme "*Sustainable Agriculture through Disruptive Smart Farming Innovation and Technology*" organized by Bataan Peninsula State University (BPSU) in collaboration with the Philippine Association of Agriculturists, Inc. (PAA) - Tamarind Chapter, to be held on September 16-17, 2021 via Zoom.

This virtual conference aims to convene researchers in presenting their innovations and breakthroughs in the field of research, which could be an avenue in exchanging of ideas, building of networks, and collaboration of researches among participants. It also aims to showcase the economic potentials of the S&T-based innovations, particularly smart farming technologies, which would lead to food sustainability, and optimum economic and social gains.

The organizers shall be receiving abstract submissions until August 23, 2021 and deadline of submission of full paper is on September 5, 2021. Presenters and interested participants may register thru the link <https://forms.gle/SeJV5Pv21WCx6pabA> or they may visit the NCFEET Online Portal via <https://sites.google.com/bpsu.edu.ph/ncfeet-2021/home> for more information.

Enclosed is the Conference poster and program together with registration and paper submission guidelines, for your ready reference. Your office may contact Ms. Kriziel M. Dela Rosa, NCFEET Secretariat, thru mobile nos. 0915-4976122/ 0920-9004682/ 0968-8535728 or via email [ncfeet2021@gmail.com](mailto:ncfeet2021@gmail.com), for further inquiries.

**TIRSO A. RONQUILLO, ASEAN Eng.**  
President





# **3RD NATIONAL CONFERENCE ON FOOD, ENVIRONMENT, ENGINEERING AND TECHNOLOGY**

**September 16 - 17, 2021  
via ZOOM**

**Theme:  
"Sustainable Agriculture through Disruptive  
Smart Farming Innovation and Technology"**

**Organized by:  
BATAAN PENINSULA STATE UNIVERSITY**

**Co-organized by:  
PHILIPPINE ASSOCIATION OF AGRICULTURISTS, INC.  
CENTRAL LUZON - TAMARIND CHAPTER**



**REGISTER NOW!**



**3RD NATIONAL CONFERENCE ON  
FOOD, ENVIRONMENT, ENGINEERING  
AND TECHNOLOGY (NCFEET)**  
September 16 - 17, 2021 via ZOOM



# THE SPEAKERS



**Associate Professor Dr. Weerapon Thongma**  
President, Maejo University, Chiangmai, Thailand  
President, Asian Association of Agricultural  
Colleges & Universities (AACU)



**Jessica D. Rey, Ph.D.**  
Professor, Institute of Biology UP Diliman  
Technical Expert Consultant,  
Philippine Association of Agriculturists



**Francis Aldrine A. Uy, Ph.D.**  
Dean, School of Civil, Environmental  
& Geological Engineering  
MAPUA University, Manila  
President & CEO, USHER Technologies, Inc.



**Cheryl Marie Natividad - Caballero**  
Undersecretary for Agri-Industrialization  
And for Fisheries, Department of Agriculture



**Julius Caesar V. Sicat, Ph.D.**  
Regional Director, DOST III



**Arthur D. Dayrit, Ph.D.**  
Department of Agriculture - RFO3,  
Chief, Planning & Monitoring & Evaluation Division/  
Assistant Regional Director for Regulatory Division  
Vice President, PAA Tamarind Chapter



**Norman G. De Jesus, Ph.D.**  
Professor VI,  
Center Director, ALIAS R&D Center  
Pampanga State Agricultural University  
Secretary, PAA Tamarind Chapter



**Emmanuel M. Vera Cruz, Ph.D.**  
Professor VI, Central Luzon State University  
Center Director, Freshwater Aquaculture Center



**Rogelio D. Cosio, Ph.D.**  
Professor VI  
Dean, College of Agriculture  
Systems and Technology  
Pampanga State Agricultural University



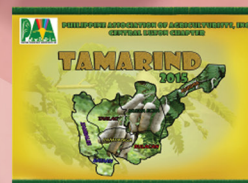
**Rodrigo C. Munoz, Jr., MEng.**  
Professor I,  
College of Engineering and Architecture  
Bataan Peninsula State University



**John Ryan C. Dizon, Ph.D.**  
Professor II,  
College of Engineering and Architecture  
Center Director, DR3AM Center  
Bataan Peninsula State University



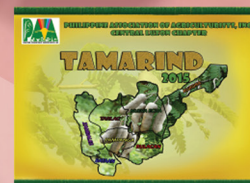
**3RD NATIONAL CONFERENCE ON  
FOOD, ENVIRONMENT, ENGINEERING  
AND TECHNOLOGY (NCFEET)**  
September 16 - 17, 2021 via ZOOM



## PROGRAM OF ACTIVITIES

Day 1: September 16, 2021 OPENING CEREMONY   PLENARY SESSION	
<b>8:00 – 8:30 AM Online Registration</b>	Secretariat
<b>8:30 – 9:30 AM Opening Program</b>	
<b>Doxology</b>	AVP
<b>National Anthem</b>	AVP
<b>Welcome Remarks</b>	<b>Gregorio J. Rodis, Ph.D.</b> University President, Bataan Peninsula State University
<b>Welcome Message in behalf of PAA</b>	<b>Louie A. Divinagracia, Ph.D.</b> National President, Philippine Association of Agriculturists, Inc.
<b>Message in behalf of the Province of Bataan</b>	<b>Hon. Albert Raymond S. Garcia</b> Governor, Province of Bataan
<b>Introduction of the Guests and Participants</b>	<b>Master of Ceremonies</b>
<b>Introduction of the Keynote Speaker</b>	<b>Hermogenes M. Pagua, Ph.D.</b> University Professor VP, Research, Extension and Training Services Bataan Peninsula State University
<b>Keynote Address</b>	<b>Associate Professor Dr Weerapon Thongma</b> President, Maejo University, Changmai, Thailand President, Asian Association of Agricultural Colleges & Universities (AACU)
Awarding of Certificate of Appreciation	
PLENARY SESSIONS	
<b>9:30 – 10:00 AM</b> <b>Sustainable Crop Production Through Climate Control Environments</b>  Open Forum  Moderator  Awarding of Certificate of Appreciation	<b>Jessica D. Rey, Ph.D.</b> Professor, Institute of Biology UP Diliman National Officer, Philippine Association of Agriculturists  <b>Leslie R. Jorge-Acain, DBA</b> Chairperson, RDO Main Campus BPSU
<b>10:00 - 10:30 AM</b> <b>Philippine Agriculture Platform towards Industry 4.0</b>  Open Forum  Moderator  Awarding of Certificate of Appreciation	<b>Cheryl Marie Natividad - Caballero</b> Undersecretary for Agri-Industrialization And for fisheries , Department of Agriculture  <b>Jovita B. Agliam, Ph.D.</b> Business Manager Philippine Association of Agriculturists- Tamarind Chapter





## PROGRAM OF ACTIVITIES

10:30 - 11:00 AM	
Open Forum	<b>Arthur D. Dayrit, Ph.D.</b> Department of Agriculture – RFO3 , Chief, Planning & Monitoring & Evaluation Division/ Assistant Regional Director for Regulatory Division VP, PAA Tamarind Chapter
Moderator	<b>Engr. Johanna R. Dizon</b> Provincial Agriculturist, Provincial Government of Bataan
Awarding of Certificate of Appreciation	
11:00 - 11:30 PM	
Open Forum	<b>Rogelio D. Cosio, Ph.D.</b> Professor VI Dean, College of Agriculture Systems and Technology Pampanga State Agricultural University
Moderator	<b>Josefina C. Mananguit, Ph. D.</b> Vice President of Research, Extension and Training Bulacan Agricultural State College (BASC) Auditor, Philippine Association of Agriculturists- Tamarind Chapter
Awarding of Certificate of Appreciation	
11:30 - 12:00 PM	
<b>Smart Farming Technologies in Plant Water Relation Manipulation</b>	<b>Rodrigo C. Munoz, Jr., MEng.</b> Professor I, College of Engineering and Architecture Bataan Peninsula State University
Open Forum	
Moderator	<b>Dr. Julita P. Mendoza, Ph. D.</b> <b>Dean, College of Agriculture</b> <b>Bulacan Agricultural State University</b> Board of Director, Philippine Association of Agriculturists- Tamarind Chapter
Awarding of Certificate of Appreciation	
<b>12:00 NN – 1:00 PM   LUNCH BREAK</b>	



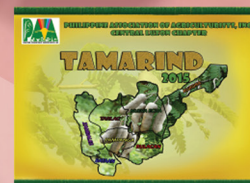


## PROGRAM OF ACTIVITIES

BREAKOUT SESSIONS	
BREAKOUT ROOM 1 - NCFEET	
<p>1:00 PM – 1:30 PM <b>Redefining Resiliency in the New Normal</b></p> <p>Open Forum</p> <p>Moderator</p> <p>Awarding of Certificate of Appreciation</p>	<p><b>Francis Aldrine A. Uy, Ph.D.</b> Dean, School of Civil, Environmental &amp; Geological Engineering MAPUA University, Manila President &amp; CEO , USHER Technologies, Inc.</p> <p><b>Ma. Gloria SF. Carrillo</b> Provincial Agriculturist, PLGU Bulacan Board of Director, Philippine Association of Agriculturists- Tamarind Chapter</p>
<p>1:30 PM – 2:00 PM <b>Farm Tourism Concepts: Reinventing Agriculture to enhance productivity and Sustainability</b></p> <p>Open Forum</p> <p>Moderator</p> <p>Awarding of Certificate of Appreciation</p>	<p><b>Norman G. De Jesus, Ph.D.</b> Professor VI Center Director, ALIAS R &amp; D Center Pampanga State Agricultural University/ Secretary, PAA Tamarind Chapter</p> <p><b>Abigail G. Abuan, Ph.D.</b> Chairperson, RDO Abucay Campus Bataan Peninsula State University</p>
<p>2:00 PM – 2:30 PM <b>Innovations in Hatchery Management of Nile Tilapia (<i>Oreochromis niloticus</i> L. ) for the Increased Seed Production in the Philippines</b></p> <p>Open Forum</p> <p>Moderator</p> <p>Awarding of Certificate of Appreciation</p>	<p><b>Emmanuel M. Vera Cruz, Ph. D.</b> Professor VI , Central Luzon State University Center Director, Freshwater Aquaculture Center</p> <p><b>Janice M. Baysa, Ph.D.</b> Research Director, PRMSU Asst. Secretary, PAA Tamarind Chapter</p>
<p>2:30 PM – 3:00 PM <b>3D Printing application in Agriculture, Food and Environment</b></p> <p>Open Forum</p> <p>Moderator</p> <p>Awarding of Certificate of Appreciation</p>	<p><b>John Ryan C. Dizon, Ph.D.</b> Professor II College of Engineering and Architecture Center Director, DR3AM Center Bataan Peninsula State University</p> <p><b>Marz Linnaeous L. Rabadon</b> Chairperson, RDO Orani Campus Bataan Peninsula State University</p>



**3RD NATIONAL CONFERENCE ON  
FOOD, ENVIRONMENT, ENGINEERING  
AND TECHNOLOGY (NCFEET)**  
September 16 - 17, 2021 via ZOOM



## PROGRAM OF ACTIVITIES

<b>Day 2: September 17, 2021 PLENARY SESSION</b>	
8:00 AM – 8:30 AM Online Registration	Secretariat
8:30 AM – 9:00 AM  Doxology National Anthem	AVP AVP
Resource Speaker <b>Techno preneurship and Commercialization Through Science, Technology &amp; Innovations</b>  Awarding of Certificate of Appreciation	<b>Julius Ceasar V. Sicat, Ph.D.</b> Director Department of Science and Technology Region 3
<b>BREAKOUT SESSIONS</b>	
9:00 AM – 4:00 PM  <b>BREAKOUT ROOM 1 NCFEET (ENVIRONMENT )</b>	Moderator <b>Job D. Paguio, MAHisto</b> Chairperson, RDO Balanga Campus Bataan Peninsula State University
9:00 AM – 4:00 PM  <b>BREAKOUT ROOM 2 NCFEET (ENGINEERING &amp; TECHNOLOGY)</b>	Moderator <b>Glenda D. Abad, MSBio</b> Chairperson, RDO Dinalupihan Campus Bataan Peninsula State University
9:00 AM – 4:00 PM  <b>BREAKOUT ROOM 3 NCFEET (AGRICULTURE &amp; FOOD)</b>	Moderator <b>Edmar N. Franquera, Ph.D.</b> Dean, College of Agriculture and Forestry Tarlac Agricultural University Board of Directors, PAA Tamarind Chapter
<b>CLOSING PROGRAM   PLENARY SESSION</b>	
Evaluation of the Conference	
Closing Remarks	<b>Arthur D. Dayrit, Ph.D</b> Department of Agriculture –RFO3 , Chief, Planning & Monitoring & Evaluation Division/ Assistant Regional Director for Regulatory Division Vice President, PAA Tamarind Chapter
<p align="center"><b>Emcee</b> <b>LORNA R. ROLDAN, MAEd.</b> Associate Professor Bataan Peninsula State University</p>	



## GUIDELINES

1. 3rd NCFEET will be a virtual conference due to Covid-19 pandemic.
2. Those who are interested to attend as participant only, you may register to this link:  
NCFEET Online Portal: <https://sites.google.com/bpsu.edu.ph/ncfeet-2021/home>  
Registration Form: <https://forms.gle/SeJV5Pv21WCx6pabA>
3. Those who are interested to attend as paper presenter is invited to submit the Abstract of the research for review under the following themes:
  - a) Food
  - b) Environmental and Climate Change Mitigation
  - c) Engineering and Technology
  - d) Industry, Energy and Emerging Engineering Technology
4. This virtual conference will feature online Paper Presentation.
5. Oral presentation will be held in parallel sessions/break-out sessions corresponding with the themes of the conference.
6. Before the submission of the abstract, you are required to register online. Click the link below to direct you to the online pre-registration form.
7. After registering online, the Abstract must be submitted to the [ncfeet2021@gmail.com](mailto:ncfeet2021@gmail.com) with the subject - Abstract for the 3rd National Conference on Food, Environment & Engineering Technology (3rd NCFEET). All submissions must be written in English language and must be made in Microsoft Word format (.doc/docx) only. File name of the abstract should be: Full Name of the Corresponding Author (Last Name, MI. First Name) Title of the Paper\_ Type of Presentation.
8. The abstract must not exceed 250 words. When preparing the abstract, the following format should be used:
  - Boldface, centered, Times New Roman (at the proposal)
  - Author's Name: Provide middle initial of the author(s) and set in upper case, Times New Roman, 12pt., centered
  - ORCID No.: can be obtained at [www.orcid.org](http://www.orcid.org)
  - Author's position: Affiliation and full address, Times New Roman, 12 pt., italicized, Author's telephone/fax number and email address: Times New Roman, 12pt., centered, italicized
  - The body of abstract should be
    - An explicit summary of the presentation and includes the introduction, objectives, brief methodology, major results and conclusions.
    - Single-spaced in 12 pt, Times New Roman.
  - Key words: Provide a maximum of 5 key words immediately after the abstract and it must be in italics form.



## GUIDELINES

9. Online registration and submission of the Abstract of the paper for Oral Presentation will be on or before August 23, 2021.

10. For Paper Presenter, you will receive the Notice of Acceptance from August 27, 2021-August 31, 2021.

11. Upon receiving the Notice of Acceptance, the author(s) must submit the full paper from September 1 to September 5, 2021 to the [ncfeet2021@gmail.com](mailto:ncfeet2021@gmail.com) with the subject – Full Paper for the 3rd National Conference on Food, Environment & Engineering Technology. All submissions must be written in English language and must be made in Microsoft Word format (.doc/docx) only. File name of the paper should be: Full Name of the Corresponding Author (Last Name, MI. First Name)\_Title of the Paper\_Type of Presentation.

12. Full paper must not exceed 10 pages and must include introduction, method, results and conclusion. The following format should be used for the

- Boldface, centered, Times New Roman (at the proposal)

- Author's Name: Provide middle initial of the author(s) and set in upper case, Times New Roman, 12pt., centered

- ORCID No.: can be obtained at [www.orcid.org](http://www.orcid.org)

- Author's position: Affiliation and full address, Times New Roman, 12 pt., italicized, Author's telephone/fax number and email address: Times New Roman, 12pt., centered, italicized

- The body of abstract should be

- An explicit summary of the presentation and includes the introduction, objectives, brief methodology, major results, conclusions and references.
- Single-spaced in 12 pt, Times New Roman.
- Up to 4-5 pages including 1 graph and/or table. Include the most significant figure and/or table related to the highlights presented in the abstract. It should also contain a complete caption describing the graph and/or table and should be placed above the table or below the figure.
- Key words: Provide a maximum of 5 key words immediately after the abstract and it must be in *Italics* form. It should indicate the discipline of the study, concepts, methods, and process.

13. Full paper accepted for publication will be published in CHED-recognized journal.

14. Papers in IMRAD format not accepted in CHED-recognized journal will have a chance to be published in the PAA Journal.



**3RD NATIONAL CONFERENCE ON  
FOOD, ENVIRONMENT, ENGINEERING  
AND TECHNOLOGY (NCFEET)**  
September 16 - 17, 2021 via ZOOM



## GUIDELINES

15. Upon receipt of the Notice of Acceptance, the following registration fee must be settled:

PHP 500.00	PHP 1,000	Additional PHP 1,000
Participant only	Paper Presenter	If Paper accepted for publication

16. Registration fee should be deposited to the

\*\*\* Scanned copy of the Deposit Slip must be sent to the [ncfeet2021@gmail.com](mailto:ncfeet2021@gmail.com)

with the subject – Deposit Slip of (Name of the Participant).

Philippine Association of Agriculturists Inc. Bank Account, to wit;

**Account Name: Philippine Association of Agriculturists Inc.**

**Bank: Land bank of the Philippines**

**Branch : Balanga City, Bataan**

**Bank Account No.: 0441234074**

**Swift Code : TLBPPH-MM-XXX**

**or thru GCASH : 0919-006-5942 (Hermogenes P.)**

17. The Paper Presenter shall be given 15 minutes to present the contents and highlights of the research and development paper while 5 minutes will be allotted for the question and answer.

### Contact Details

For questions and clarifications, please contact:

NCFEET Secretariat

Kriziel M. Dela Rosa

[ncfeet2021@gmail.com](mailto:ncfeet2021@gmail.com)

09154976122 / 09209004682 / 09688535728

## Conference Registration

### Category

### Registration Fee Deadline of payment

<b>A.</b> Conference Presentation (with possible publication in a Peer-Reviewed Journal)*	Php 5,000.00 (USD105.00)	Aug. 31, 2021
<b>B.</b> Regular / Student Attendee (with Certificate of participation)**	Php 500.00 (USD11.00)	Sept. 10, 2021

### Note:

\*Selected papers will be invited to be published in a Scopus-indexed journal with an additional fee of Php 5,000.00 (USD105.00).

\*\*BPSU students and employees may apply for financial support for the registration fee (presentation and publication).

- Upon receipt of the Notice of Acceptance, the registration fee must be settled.
- Registration fee should be deposited to the Philippine Association of Agriculturists Inc. Bank Account, to wit;
  - Account Name: Philippine Association of Agriculturists Inc.
  - Bank: Land bank of the Philippines
  - Branch : Balanga City, Bataan
  - Bank Account No.: 0441234074
  - Swift Code : TLBPPH-MM-XXX
  - \*\*\* The scanned copy of the Deposit Slip must be sent to the [ncfeet2021@gmail.com](mailto:ncfeet2021@gmail.com) and CC to [dr3am@bpsu.edu.ph](mailto:dr3am@bpsu.edu.ph) with the subject – Deposit Slip of (Name of the Participant).

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Pay With G-Cash thru 0919-006-5942 (Hermogenes M. Paguia)



# **International Forum on Additive Manufacturing and Advanced Materials (IFAMAM 2021)**

## **Technical Program**

### **September 15, 2021**

(Philippine Standard Time)

**8:30AM**

#### **Opening Program**

**Keynote Message: Prof. Rigoberto C. Advincula / Case Western Reserve University**

**9:30AM**

**Plenary Lectures**

**12:00 PM**

**BREAK**

**1:00PM**

**Plenary Lectures**

**1:40PM**

**Oral Session 1 - 3D Printing Processing, Materials, and Properties**

**3:10PM**

**Oral Session 2 - Sustainable Development, Circular Economy and Construction**

### **September 16, 2021**

**8:00AM**

#### **NCFEET Opening Program**

**10:00AM**

**Oral Session 3 - Advanced Materials - Material**

**12:00 PM BREAK**

**12:40PM**

**Oral Session 4 - Advanced Materials - Mechanical Design**

**2:15PM**

**Oral Session 5 - 3D Printing Applications**

### **September 17, 2021**

(Philippine Standard Time)

**8:00AM**

#### **National Symposium on Makerspaces and 3D Printing Facilities**

- Opening Remarks
- Invited Lectures
- FABLABS
- Technologies
- 3d Printing Laboratories
- Closing Remarks

### **Contact Details:**

Conference Organizer: Prof. John Ryan C. Dizon / [jrcdizon@bpsu.edu.ph](mailto:jrcdizon@bpsu.edu.ph)

IFAMAM Secretariat Email: [dr3am@bpsu.edu.ph](mailto:dr3am@bpsu.edu.ph)

Conference Website: <https://sites.google.com/bpsu.edu.ph/ifamam/home?authuser=0>

Facebook Page: <https://www.facebook.com/BPSUAMReL>



# IFAMAM 2021

The 1st International Forum on Additive Manufacturing and Advanced Materials (IFAMAM 2021) will be hosted by the DR3AM Center, Bataan Peninsula State University on September 15-17, 2021. The forum will be a venue for students, faculty, researchers, scientists, and industry practitioners around the world to present papers on the progress of Additive Manufacturing and Advanced Materials. IFAMAM 2021 is jointly organized by the Bataan Peninsula State University (BPSU) and Philippine Association of Agriculturists (PAA).



Additive Manufacturing, also known as 3D printing, is now ready for industrial applications. The capability of 3D printing to fabricate complex shapes in a quick and economical manner makes it desirable over other conventional



manufacturing methods. On

the other hand, advanced

materials has become very exciting due to the diverse materials being developed recently. In order to achieve the desired properties of these materials, careful and sophisticated preparation and

processing are needed to be employed.

Combining novel methods such as additive manufacturing and advanced materials with computer modelling and design, materials that are smart and with robust properties could be achieved.





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1ST INTERNATIONAL FORUM ON ADDITIVE MANUFACTURING AND ADVANCED MATERIALS  
SEPTEMBER 15-17, 2021

## Prof. Rigoberto C. Advincula

### Research Professor

Case Western Reserve University, USA

### Corresponding Member

National Academy of Science and Technology

### Fellow

Polymer Chemistry Division  
American Chemical Society



PLASTICS 3D  
PRINTING: HIGH  
PERFORMANCE  
AND UPCYCLING



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## PLENARY SPEAKERS



**PROF. SUNG - HOON AHN**

**Professor and Chair**

Department of Mechanical Engineering  
Seoul National University

**President**

Academic Society for Appropriate Technology

**Editor-in-Chief**

IJPEM - Green Technology



**PROF. JOHN RYAN C. DIZON**

**Professor**

Bataan Peninsula State University, Philippines

**Director**

DR3AM Center

Bataan Peninsula State University

**Organizer**

IFAMAM2021



**DR. KATHERINE DEVELOS-BAGARINAO**

**Senior Researcher**

Fuel Cell Materials Group

Energy Technology Research Institute

National Institute of Advanced Industrial Science and Technology

Tsukuba, Japan



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## PLENARY SPEAKERS



### PROF. YUPITER HP MANURUNG

#### Director

Smart Manufacturing Research Institute (SMRI)

#### Head of Research Interest Group

Advanced Manufacturing Technology (RIG:AMT)

#### Faculty of Mechanical Engineering

Universiti Teknologi Mara, Malaysia



### PROF. JOHN - JOHN CABIBIHAN

#### Associate Professor

Mechanical and Industrial Engineering Department,

College of Engineering, Qatar University

Doha, Qatar

#### Graduate Program Coordinator

Mechanical Engineering Program



### PROF. RAMESH T. SUBRAMANIAM

#### Professor

Department of Physics, Faculty of Science

University of Malaya

Kuala Lumpur, Malaysia



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## PLENARY SPEAKERS



**PROF. LEONARD D. TIJNING**

**Senior Lecturer**

**Research Degree Coordinator**

Environmental Engineering  
University of Technology Sydney  
Sydney, Australia

**Board of Director**

Membrane Society of Australasia



**PROF. JENG - YWAN JENG**

**Distinguished Professor**

**Director**

High Speed 3D Printing Research Center  
National Taiwan University of Science and Technology  
Taipei, Taiwan

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**PROF. ROCHE C. DE GUZMAN**

**Associate Professor**

Hofstra University  
New York, USA

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**PROF. CHRISTIAN R. OROZCO**

**Assistant Professor**  
UP Diliman, Philippines



**PROF. ERWIN P. ENRIQUEZ**

**Professor**  
Ateneo de Manila University, Philippines



**ENGR. ALEJANDRO H. ESPERA**

**Assistant Professor**  
Ateneo de Davao University, Philippines



**ENGR. ARMAN NISAY**

**PhD Candidate**  
Andong National university, South Korea



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SEPTEMBER 15-17, 2021



## INVITED SPEAKERS



**DR. SANDEEP AHANKARI**

**Associate Professor**  
Vellore Institute of Technology, India



**DR. ERNESTO J. GUADES**

**Post-doctoral Research Fellow**  
Technical University of Denmark, Denmark



**DR. MICHAEL B. DE LEON**

**Post-doctoral Research Fellow**  
Andong National University, South Korea



**PROF. HOLGER HUNDBORG KOSS**

**Associate Professor**  
Technical University of Denmark, Denmark

