

## WELCOME TO THE 4TH DITECH FAIR 2016

De La Salle University's journey towards the fulfillment of its mission-vision as a "leading learner-centered and research university that is attuned to a sustainable Earth" prompts an extensive campaign to make environment-conscious habits become part of everyone's lifestyle. But care for the environment cannot be achieved without the concerted effort of various sectors of the society. De La Salle University therefore celebrates, as it further encourages, the linkages it has established with local government units and the industry to promote the well-being of the environment, with this year's theme: "Harnessing Academe, Government, and Industry Partnerships for a Sustainable Earth"

We'd like you to have the best experience here at DLSU, so please do not hesitate to approach any of the DITECH Fair Organizers. Thank you!

\* This brochure contains the program flow and your official DITECH FAIR 2016 Passport with Raffle Ticket. Please see attached passport for further details.

# #GREENFUTURE

### Organized by

DLSU Innovation and Technology Office (DITO)  
Office of the Vice Chancellor for Research and Innovation (VCRI)



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# 4TH DLSU INNOVATION AND TECHNOLOGY FAIR

NOVEMBER 24 - 25, 2016

"HARNESSING ACADEME,  
GOVERNMENT AND INDUSTRY  
PARTNERSHIPS FOR A  
SUSTAINABLE EARTH"

# #GREENFUTURE

## DAY 1 PROGRAM - NOV. 24

- 8:00 - 9:00 AM Registration, Ground Floor HSSH  
9:00 - 9:15 AM Invocation. 4th Floor HSSH  
National Anthem  
Ceremonial Cutting of the Ribbon
- 9:15 - 9:30 AM Welcome Remarks  
**Dr. Raymond Girard Tan, VCRI**
- 9:30 - 9:40 AM Introduction of Keynote Speakers  
**Dr. Joel Ilaio, RASD-CCS**
- 9:40 - 10:10 AM Keynote Messages:  
**For the Government: Dr. Carlos Primo David**  
Executive Director, PCIEERD-DOST  
**For the Industry: Mr. Edgar Chua**  
President, Shell Philippines  
**For the Academe: Dr. Raymond Girard Tan**  
Vice Chancellor for Research and Innovation
- 10:10 - 10:30 AM Innovation@DLSU and Presentation of  
DLSU's First Philippine Patent and Utility Model  
**Atty. Christopher Cruz**  
Director, DIPO/Manager, DITO  
**Mr. Federico Gonzalez**  
Executive Director, AnimoLabs
- 10:30 - 10:50 AM Break
- 11:00 - 12:00 NN Panel Discussion 1: Technology and  
Entrepreneurship in the Academe  
Panelists: **Mr. Jojo Flores**  
COO, Launchgarage  
**Ms. Diane Eustaquio**  
Executive Director, IdeaSpace  
**Dr. Al Serafica**  
Entrepreneur/Co-Founder, Xylos Corp.  
Moderator: **Mr. Federico Gonzalez**
- 12:00 - 12:30 PM Open Forum
- 12:30 - 1:30 PM LUNCH
- 1:30 - 2:40 PM Panel Discussion 2: Innovation and Startups  
Panelists: **Ms. Aileen Apolo-de Jesus**  
Google  
**Mr. Peter Lng**  
Vende  
Moderator: **Atty. Janice Tejano**
- 2:40 - 3:00 PM Open Forum
- 3:00 - 4:00 PM Paper Presentations 1: Instrumentation and  
Control, and Simulation Studies  
Session Chair: **Dr. Maria Cecilia Paringit**
- 3:00 - 5:00 PM Exhibit Viewing

## DAY 2 PROGRAM - NOV. 25

- 8:30 - 9:30 AM Registration, 4th Floor HSSH  
9:30 - 10:40 AM Panel Discussion 3: Sustainability  
Panelists: **Representative from DENR**  
**Dr. Anthony Shun Fung Chiu**  
GCOE, DLSU  
Moderator: **Dr. Leni Garcia**
- 10:40 - 11:00 AM Open Forum
- 11:00 - 12:00 NN Paper Presentations 2: Sustainable  
Research and Development Practices  
and Policies  
Session Chair: **Dr. Lawrence Materum**
- 12:00 - 1:00 PM LUNCH
- 1:00 - 1:30 PM Innovation Quiz  
Game Moderator: **Dr. Leni Garcia**
- 1:30 - 2:30 PM Paper Presentations 3: Robotics and  
Automation  
Session Chair: **Engr. Renann Baldovino**
- 2:30 - 3:00 PM DLSU-USAID Stride Business Pitches
- 3:00 - 4:00 PM Business Pitch Competition Finals
- 3:00 - 5:00 PM Exhibit Viewing
- 4:30 - 5:00 PM Closing and Awarding Ceremonies
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- Paper Presentations 1:**
- 1.** Fabrication of Metal Oxide Sensor for Hydrogen Sulfide Sensing Applications  
**2.** Philippine Bus Number Location Identification  
**3.** Wireless Controlled Robotic Arm For Handling Hazardous Chemicals  
**4.** Design of a Light Rail Vehicle Simulator for Manila LRT Line 1
- Paper Presentations 2:**
- 1.** Design of a Telepresence Robot Utilizing Wireless Technology for a Sustainable Development  
**2.** The Human Element: Transpersonal Ecology, Empathy Gap, and the Environment  
**3.** Sustainable Development Research Practices in Philippine
- Paper Presentations 3:**
- 1.** Biomedical Devices Innovation: A Case for the Agapay Project  
**4.** A Sustainable Innovation for Product Component Prototyping with 3-D Printing Techniques
- Paper Presentations 3:**
- 1.** Development and Implementation of an Automated Stirring Robot for Rice Paddy Sun Drying  
**2.** Development of a Remote-Controlled Quadrotor with Solar Recharging and Emergency Landing Capabilities  
**3.** SPHEMO: A Teleoperated SPHErical MOBILE Robot with Video-streaming Capability

## EXHIBITS by Zone

### Energy and Environment

- Rice Husk: An Alternative Manufactured Precast Wall Partition (**CSB**)
- ASH-BACA: Reuse of Coal Fly Ash and Abaca Fibers in Fiber Cement Board Production (**CSB**)
- Sabrina (**DLSU**)
- Development and Implementation of an Automated Stirring Robot for Rice Paddy Sun Drying (**DLSU**)
- Abaca Fiber-Reinforced Composite from Coal Fly (**DLSU**)
- Using Natural Guava Bark as Main Component of Production in Fabric Paint (**DLSU-D**)
- Rice Hull: Alternative Material for Softwood in Lead of Casing and Paper Bag (**DLSU-D**)
- Smart Adaptive Motor Controller with Smartphone Integration for Electric Bicycle (**DLSU**)

### Food and Health

- BENTAMOBILE: Elevating Street Food Vending to the Next Level (**CSB**)
- Inhibition of *Leptospira interrogans* (**DLSU**)
- Vitalink (**DLSU**)
- Cogon Grass: Substitute Material for Straw (**DLSU-D**)
- Appointment Beeper System (**DLSU-D**)
- Liwanag (**DLSU**)

### Animation and Software Development

- Digital Animation Studio Set-Up (**CSB**)
- Supply Chain Management System (**CSB**)
- Seizmore Fin (**CSB**)
- Apart (**CSB**)
- Crab App (**DLSU**)

### Disaster and Risk Management

- SPHEMO (**DLSU**)
- Development of a Remote-Controlled Quadrotor (**DLSU**)
- Wireless Controlled Robotic Arm for Handling Hazardous Materials (**DLSU**)
- Developing 2D Flood Hazard Maps (**DLSU**)