



DLSU Research Congress 2020 highlights building resilient societies

THE OFFICE OF THE VICE CHANCELLOR FOR RESEARCH AND INNOVATION ORGANIZED THIS YEAR'S DLSU RESEARCH CONGRESS LAST JUNE 17-19 WITH PLENARY TALKS OF DLSU FACULTY MEMBERS BROADCASTED ONLINE.

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With the theme, “Building resilient, innovative, and sustainable societies,” this year’s research congress focused on the need for societies to cope and recover from challenges by generating knowledge and pursuing resilient, innovative, and sustainable development approaches.

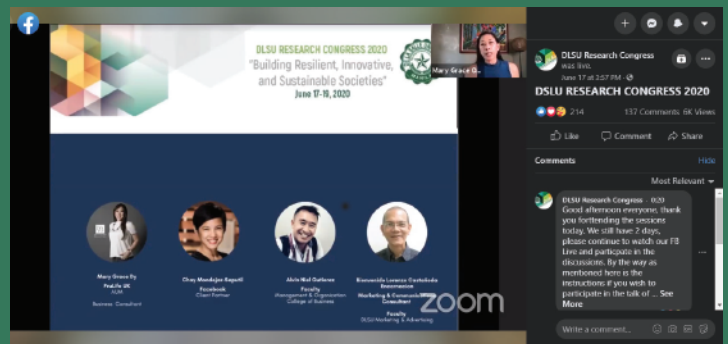
Plenary topics included: “The Economic Impact of the Metro Manila (NCR) Enhanced Community Quarantine” by Dr. Krista Danielle Yu, Dr. Kathleen Aviso, and Dr. Raymond Tan; “Potential Economic Effects of Lockdown in the Philippines due to COVID 19: Lessening the Impact on Poor Households” by Dr. Caesar Cororaton, Dr. Marites Tiongco, and Dr. Arlene Inocencio; “Business Ethics for Sustainability” by Dr. Benito Teehankee; and “Can Innovation Save Us? Understanding the Role of Innovation Systems in Mitigating COVID-19 in ASEAN-5 Economies” by Paul John Peña and Jerk Joshua Meire Layos.

In addition, plenary topics on teaching, research, and publication were the following: “Learning with Friends: A Rational View of Remote Learning with Network Externalities in the Time of COVID-19” by Paul John Peña and Dr. Dickson Lim; “Introduction to Publishing and Tips from Journal Editors” by Dr. Jose Isagani Janairo, Dr. Tereso Tullao, Jr., and Dr. Romeo Lee; and “The Scientific Method Revisited: Can the hypothesis come after data collection?” by Dr. Arnulfo Azcarraga.

A number of research were about the effects on institutions and the role of community during the pandemic, including: “COVID-19 in the Philippines: Potential Implications in Modernizing the Armed Forces of the Philippines” by Dr. Sherwin Ona and Dr. Rodolfo Tor; and “Introducing Wages in Determining Sectoral Contributions to Aggregate Labor Productivity Growth: Implications of Wage Trends on Labor Reallocation in the Philippines” by Dr. Jesus Dumagan.

Speakers also touched on COVID-19 response strategies, which included: “Setting up a COVID-19 Community Response Strategy in Local Government Units: Immediate, Transitory, and Medium-Term Considerations for Planning” by Dr. Ador Torneo, Dr. Audrey Angeli Andres, Dr. Joseph Angelo Rayo, Dr. Kristoffer Berse, Anthony Lawrence Borja, Romielyn Nazareno, Matthew Ordoñez, Dr. Joseph Angelo Rayo, Dr. Redento Recio, Felipe F. Salvosa II, and Dr. Cheryll Ruth Soriano; “Setting Up a Health Communication Strategy for Local Government Units during the COVID-19 Pandemic: Insights and Recommendations” by Dr. Cheryll Ruth Soriano, Dr. Jan Michael Alexandre Bernadas, Felipe Salvosa II, Dr. Ador Torneo, and Dr. Carlo Magno Figueroa; and “Setting Up a Community Response Strategy for Local Government Units: Practical Advice for Reorienting Existing Systems to Deal with COVID-19” by Dr. Ador Torneo, Dr. Audrey Angeli Andres, Dr. Kristoffer Berse, Anthony Lawrence Borja, Romielyn Nazareno, Matthew Ordoñez, Dr. Joseph Angelo Rayo, Dr. Redento Recio, Felipe Salvosa II, and Dr. Cheryll Ruth Soriano.

A research colloquium by the Ramon V. del Rosario College of Business featured “Making the Pivot to Digital Marketing” by Chay Mondejar-Saputit and “Culture of Innovation @ Amazon” by Joel Garcia.



Questions now available

The latest edition of *Questions* magazine, an annual publication on research and creative endeavors by the faculty, features COVID-19-related studies and other lessons from different fields, offering insights on managing the new normal.

Questions is produced annually by the Office for Strategic Communications for the DLSU Research Congress. The publication showcases the University’s research culture, through the featured research projects from the different colleges.

The publication seeks to encourage not just the participants of the DLSU Research Congress, but also the public to engage in research, help promote it, and make it a part of their daily lives.

Questions is now available at the DLSU website, www.dlsu.edu.ph



Faculty researchers shine in 2020 NAST awards



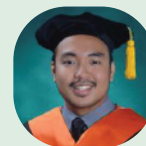
Dr. Argel Bandala



Dr. Alexis Fillone



Dr. Krista Yu



Dr. Krister Roquel



Dr. Anthony Chiu



Dr. Angelyn Lao



Dr. Eduardo Mendoza

De La Salle University faculty researchers garnered various accolades in the 2020 National Academy of Science and Technology (NAST) Awards, which honored outstanding Filipino scientists for their achievements in research and development.

Electronics and Communications Engineering Full Professor Dr. Argel Bandala earned the Outstanding Young Scientist Award in Engineering, Sciences, and Technology. The award comes with a P1 million Department of Science and Technology (DOST) research and development grant.

Three DLSU faculty members also earned the Outstanding Scientific Paper Award for their study, “Comparative flood-risk assessment of different freight transport development programs,” published in the *DLSU Business and Economics Review* in 2019. They are Civil Engineering Full Professor Dr. Alexis Fillone, School of Economics Associate Professor Dr. Krista Yu, and Civil Engineering Associate Professor Dr. Krister Roquel.

Mathematics and Statistics Department Associate Professor and College of Science Assistant Dean for Research and Advanced Studies Dr. Angelyn Lao and Center for Natural Sciences and Environmental Research Honorary Scientist in Residence Dr. Eduardo Mendoza, together with Dr. Carlene Pilar-Arceo and Dr. Editha Jose from the University of the Philippines, also received the Outstanding Scientific Paper Award for their paper, “Chemical reaction networks: Filipino contributions to their theory and its applications,” published in the *Philippine Journal of Science* in 2019.

In addition, Industrial Engineering Full Professor and University Fellow Dr. Anthony Chiu received a special citation in the Environmental Science Award of the Academy.

NAST is the highest recognition body for science and technology in the Philippines. The awards program will have a virtual ceremony in July.

Webinar on Flexible Online Teaching and Learning

In line with its commitment of being a resource for learning and providing teacher training programs to partner institutions, De La Salle University, through Networked Learning PH (NLPH) and the Office of Vice Chancellor for Research and Innovation, organized the webinar titled, “The New Normal: Flexible Online Teaching & Learning for Basic and Higher Education,” last June 19 to 20.

The two-day online training aimed to help participants transition to online learning. Invited speakers were seasoned online learning educators who shared their expertise and learnings as participants from various institutions navigate the new normal in education.

Among the attendees of the New Normal webinar were educators sponsored by the Interactive Discourse for Administrators and Educators Seminar or IDEAS 2020. Spearheaded by the Office for Strategic Communications, IDEAS hopes to help teachers and administrators gain the necessary skills to adapt to the changes and to manage various challenges in this time of unprecedented shifts in the field of education.

Participants of IDEAS 2020 joined more than 300 attendees of the webinar that took part in learning sessions on: flexible online

teaching and learning; Google tools for education; designing online learning modules; psychology of online teaching and learning; learning management system; and 21st Century education technical support and requirements for teachers.

There were also breakout sessions on contextualized online teaching demonstration and strategies per subject area, college and graduate studies, and research collaboration.

NLPH is a professional organization composed of online teachers and ICT for education (ICT4E) researchers in the Philippines. The organization promotes education for all by providing reliable eLearning materials and platforms for learning and teaching.



DLSU crosses 4,000 Scopus mark, leads PHL's research productivity in 2019

De La Salle University crossed the threshold of 4,000 publications in Scopus, the largest abstract and citation database of global research literature.

As of May 2020, the University listed 4,113 Scopus-indexed publications, the second highest among higher education institutions (HEIs) in the country.

Three Lasallian faculty members—Dr. Allan Benedict Bernardo and Dr. Alvin Culaba, who are both National Academy of Science and Technology (NAST) Academicians and University Fellows, and Mechanical Engineering Full Professor Dr. Aristotle Ubando—reached the career milestone of 100 or more Scopus-indexed publications. DLSU now has 10 faculty members with at least 100 Scopus-indexed publications, which is the highest among local HEIs.

These faculty members are Vice Chancellor for Research and Innovation, University Fellow, NAST Academician, and Chemical Engineering Full Professor Dr. Raymond Girard Tan; University Fellow and Manufacturing Engineering and Management Full Professor Dr. Elmer Dadios; University Fellow and Chemistry Full Professor Dr. Consolacion Ragasa; Electronics and Communications Engineering Full Professor Dr. Argel Bandala; Gokongwei College of Engineering Assistant Dean for Research and Advanced Studies and Chemical Engineering Full Professor Dr. Kathleen Aviso; Chemical Engineering Full Professor Dr. Michael Angelo Promentilla; and University Fellow and Industrial Engineering Full Professor Dr. Anthony SF Chiu.

In a recent update on the Scopus citation database, the University's 2019 statistics are up to 729, still maintaining its standing as the country's leading Philippine research institution during the period.

DLSU's publications comprise an estimated 15% of the national research output.

Its major research efforts are in areas such as sustainable cities, biomedical engineering, disaster management, artificial intelligence, coastal and marine life protection, renewable energy, regional peace, and cultural preservation, among others.



2020 Outstanding ASEAN Science Diplomat

DLSU Civil Engineering Associate Professor Dr. Marla Redillas was selected as one of the 2020 Outstanding ASEAN Science Diplomats. The official announcement was held through livestream on June 13 during the ASEAN Science Diplomats Assembly (SDA).

SDA was a five-day event designed to facilitate discussions between scientists and policymakers on their program and research priorities and funding opportunities.

Redillas is among the 14 who were selected for the 2020 Outstanding ASEAN Science Diplomats. This year, more than 350 applied from 10 ASEAN member states.

Now on its fourth year, the AMS awarding ceremony will be held on October 26-30 in Malaysia.



Redillas

International news site features robotics project of DLSU faculty

A robotics project of a DLSU-led team was recently featured in an article by SciDev.Net, an international source of news, views, and analysis on science and engineering, with a monthly readership of over 75,000 professionals, entrepreneurs, and innovators.

The article, "Robotics can assist physiotherapy in COVID-19 times," highlights the ongoing AGAPAY project led by Manufacturing Engineering and Management (MEM) Department Full Professor Dr. Nilo Bugtai.

Seeking to provide a cheaper alternative to existing options, the project is being developed for post-stroke rehabilitation by having a biomimetic exoskeleton for the upper body, particularly for the shoulders, upper and lower arms, wrists, and hands.

"We anticipate the exoskeletons from the AGAPAY Project to be more affordable than others currently in the market," DLSU lecturer Peter Tenido, who is project director of the University's Innovation and Technology Office, tells SciDev.Net

The AGAPAY project will allow a single therapist to handle several patients at the same time, "while also providing reliable, easy to use, safe, affordable, and effective treatment to patients," according to Tenido.



LAGUNA CAMPUS UPDATE

DLSU IS offers FLx Program for AY 2020-2021

The Integrated School department announced that for Academic Year 2020-2021, it is offering the Flexible Learning Experience or FLx Program, a holistic alternative learning program to adapt to the challenges of the times.

The FLx program is designed to provide students with a sustainable and quality learning platform in the "new normal", where online lectures are instructed by DLSU IS faculty through time-based lectures and online materials.

DLSU IS opening its classes on July 1 for Senior High School, July 10 for Grades 1 to 10, and July 22 for Pre-school.

Students can choose from three online learning options according to their needs such as the Trimestral Phasing Learning (TPL) program, where students start the term with online classes and gradually transition to full on-campus learning once deemed possible.

The Online Distance Learning (ODL) option will have structured online lectures for the whole three terms of the academic year, while the Independent Home Learning (IHL) option will provide students with the flexibility to learn lessons assisted by a parent or guardian.

Through the FLx program, official online learning materials are provided for students to aid them in learning and to address security and privacy.

Online guidance services are also available to help students cope in these trying times.

To know more about the DLSU IS FLx program, the primer is made available through this [link](#).

“In the light of faith, you see things quite differently”

De la Salle

Letter 118 - to a laywoman, date unknown

DLSU RESEARCH CONGRESS 2020

Theme: *Building, Resilient, Innovative, and Sustainable Societies*
June 17-19, 2020



1,828

Pre-registered participants
(60% from public, 40% from private educational institutions)

56,659

Number of engagements on the DLSU Research Congress Facebook Page

90

Accepted manuscripts

43

Pre-recorded videos for parallel sessions

12

Plenary sessions with live presentations

Source: University Research Coordination Office



2401 (twen'te fôr, o, wun) is a landmark number along Taft Avenue. It is the location ID of De La Salle University, home to outstanding faculty and students, and birthplace of luminaries in business, public service, education, the arts, and science. And 2401 is the name of the official newsletter of DLSU, featuring developments and stories of interest about the University.

2401 is published bi-weekly by the Office for Strategic Communications (AH-21F, intercom 144). Editorial deadline is 3 p.m. Tuesdays. Contributions should include the name, office and signature of the sender. Materials may be edited for clarity or space.

2401 may be accessed online through the URL: <http://www.dlsu.edu.ph>.

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