

WCU

ITS in Times Higher
Education WUR 2022

ITS Gets Nominated for
THE DataPoints Social Impact Award

ITS Launches
the First 5G Experience Center
in Indonesia

ITS Wins 6 Awards
with Underwater Diving Robots

Voice of Partner:
Andres Javier Duarte Ariza
ITS International Student Alumni

ITS is One of the Best Universities in Indonesia according to THE WUR 2022

Institut Teknologi Sepuluh Nopember (ITS) keeps up the great efforts to become a world-class university. In the Times Higher Education World University Rankings (THE WUR) 2022, ITS has successfully increased its scores in two indicators which are officially announced on Thursday, 2 September 2021. Those two indicators are Research and International Outlook.

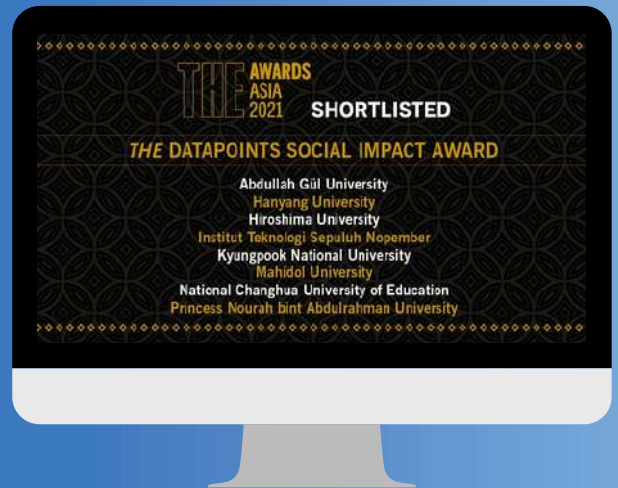
In THE WUR 2022, ITS is listed in the top eight best universities in Indonesia. Overall, ITS is ranked 1200+ globally from more than 1600 universities. There are five assessment indicators in THE WUR, namely Teaching, Research, Citation, International Outlook, and Industry Outcome. With this accomplishment, ITS would continue to increase publications and citations by pursuing more international research collaborations. ITS will also continue to improve its quality in the International Outlook by increasing more international staff, international co-authorships, and the percentage of international students. Therefore, the synergy from all departments in ITS is the most important aspect to achieve those goals.



ITS Gets Nominated for THE DataPoints Social Impact Award

Times Higher Education (THE) has released the shortlist of THE Awards Asia 2021. In this prestigious event, Institut Teknologi Sepuluh Nopember (ITS) gets nominated for THE DataPoints Social Impact Award. In this category, ITS becomes the only university in Indonesia to receive the nomination along with 8 prominent universities in Asia.

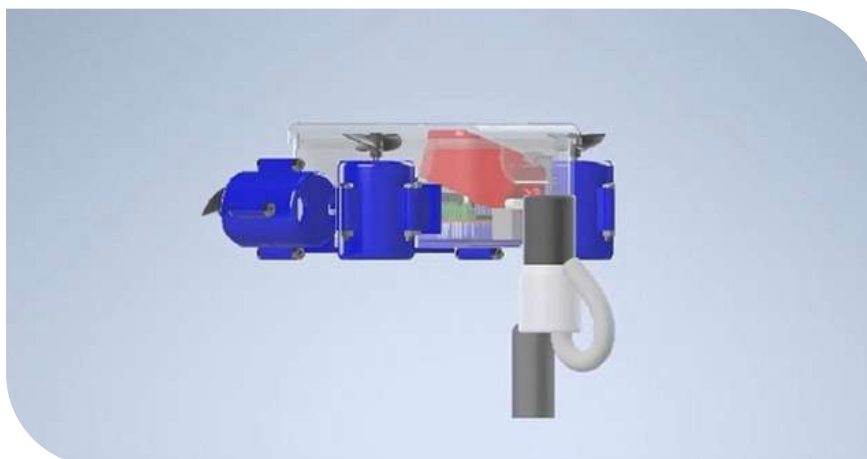
THE DataPoints Social Impact Award is a category dedicated to data transparency and supporting evidence provided in THE Impact Rankings, especially those related to social problems such as health, education, and poverty. THE DataPoints Social Impact Award is one of the few awards that are nominated without going through a submission from university. As a university, ITS has always committed to achieving Sustainable Development Goals (SDGs). THE will officially announce the winners of THE Awards Asia 2021 on 14-15 December 2021.



ITS Wins 6 Awards with Underwater Diving Robots

The students of Institut Teknologi Sepuluh Nopember (ITS) robotics team, Banyubramanta, accomplished another major achievement with their innovation in Remotely Operated Vehicle (ROV) robots. The underwater diving robots designed by Banyubramanta, namely Sea Wasp and Glaucus Atlanticus, have achieved six awards in various categories at Wonderful Indonesia Robot Challenge (WIRC) 2021 in early September.

Both robots are ROV robots designed using a remote wireless system with a motor and propeller. Technically, the signal from the remote will be received and processed by the microcontroller, programming logic, and electronic components, including Arduino, Voltage Regulator, Integrated Circuit (IC), motor driver, and battery. What makes the robots unique is their ability to suck underwater objects. Therefore, this innovation can be implemented as a garbage suction robot, considering there is a lot of garbage in the sea. In this competition, Sea Wasp manages to win all categories, namely the Running ROV, People Choice, Most Popular Video, Most Education Value, Community Awareness, and Community Building. Meanwhile, Glaucus Atlanticus receives an award in the Community Awareness category. Congratulations to Banyubramanta team!



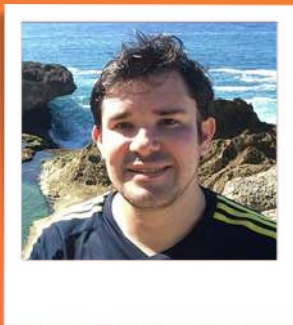
ITS Launches the First 5G Experience Center in Indonesia



ITS in collaboration with Nokia and Indosat Ooredoo launched the first 5G Experience Center in Indonesia on Thursday, 16 September 2021. The center is located at the ITS Robotics Center Building. The project launch ceremony was attended by several prominent names, such as the Minister of Tourism and Creative Economy – Mr. Sandiaga Uno, the Minister of Education, Culture, Research, and Technology – Mr. Nadiem Makarim, the Ambassador of Finland to Indonesia – Mr. Jari Sinkari, Directorate General of Resources and Equipment of Post and Information Technology – Dr. Ismail, the Governor of East Java – Mrs. Khofifah Indar Parawansa, the President Director of Nokia Indonesia Mr. KP Goh, and the COO Indosat Ooredoo – Mr. Vikram Sinha. From ITS side, the event was attended by ITS Rector, Prof. Mochamad Ashari.

The center will focus on providing education, development, and testing capabilities in the 5G field to strengthen local digital talent, accelerate local 5G content, and promote economic growth by leveraging the advantages of 5G technology. The center is equipped with a vehicle for the introduction of 5G technology (center of knowledge), a place for application development of students and startups fostered by ITS (center of creativity), as well as complimentary education, training, and certification processes (center of excellence). The 5G Experience Center is expected to be a catalyst for developing the 5G ecosystem in Indonesia with the formation of the 5-IONE Forum (5G – Indonesia Institution of Innovation ITS Indosat Oulu Nokia Ecosystem). The 5-IONE Forum has succeeded in creating two pilot programs in East Java to create a 5G use case with a blueprint for conceptualizing and developing a Smart City & Smart Corridor for the city of Surabaya & Jember.

Voice of Partner



Andres Javier Duarte Ariza

ITS International Student Alumni from Colombia
 Department of Electrical Engineering, ITS
 Graduated with Cum Laude

"As a Kemitraan Negara Berkembang (KNB) scholarship awardee, I was able to experience Indonesian culture and learn the language. Learning Indonesian was an amazing experience that lasted one whole year, after which I started my master's degree. I was able to feel the warmth of ITS students, join multiple activities, such as being part of my faculty's volleyball team, get to know people, both from Indonesia and overseas, get a taste of their culture, get to know new flavors and different approaches to practical problems.

As a master's degree student, I lived a different teaching method, closer to the research made by my teachers, looking up closely at what was being researched and developed at the university. Also, I was able to visit other faculty's laboratories and work together with them, enriching my learning experience. I made great friends during my stay at ITS and was able to feel the spirit of unity that characterizes Indonesians and ITS students. I thank all the people that accompanied and guided me throughout this amazing experience!"