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## STRATEGIC COOPERATION WITH LONG SINH, ASIA and HAI TIEN COMPANIES

*In the second quarter of 2016, Nha Trang University (NTU) signed strategic agreements with Long Sinh, Asia and Hai Tien companies to carry out cooperation in 3 main fields: training, technology transfer and community services. This is an initiation by the university to tighten partnership with enterprises to enhance training quality while contribute to the development of the university and the companies.*

**I**n training, NTU will design staff professional development courses for the companies and assist Asia Corp in teaching and teacher training of Tran Dai Nghia Economics and Engineering Vocational School. NTU will invite leaders of the companies to give talks and teach NTU's students in some subjects related to practical production and business activities. Every year, the companies will accept student for internship and recruit them after graduation. Both Asia Corp and Long Sinh Co, Ltd have agreed to grant 10 scholarships annually (2 million VND each) to NTU's students. In addition, Hai Tien company agreed to grant 100 million VND for internships and scholarships to students for the period from March 2016 to March 2017.

**W**ith respect to cooperation in research and technology transfer, there will be a coordinated effort to conduct research on fisheries (with Long Sinh company), on production and services in engineering, automotive repair, transportation and tourism (with Asia company), publish research findings and organize joint seminars. The university will also assist in conducting surveys and provide consultancy services on production to the companies, sponsor study trips for staff of both organizations. With Hai Tien company, the university will send senior lecturers to conduct training courses and support technology applications in the company's production activities (culturing cobia, fresh algae, red clam, etc.).

**R**egarding community services, Long Sinh company will assist the university in activities for communities such as scholarship granting, the "Lighting Dreams" program, the Green Summer Volunteer Campaign and the National Exam Support Program. Whereas Asia company will assist NTU to organize at least 2 volunteering activities for students with a budget of 10 million VND per activity (in March and October) along with other community support activities during summer and the Lunar New Year.



Long Sinh Co, Ltd.



Asia Co, Ltd.



Hai Tien Co, Ltd.



## NTU DELEGATION VISITS NATIONAL TAIWAN OCEAN UNIVERSITY

*June 6<sup>th</sup> to 11<sup>th</sup>, 2016: Within the framework of the project "Upgrading NTU's Journal of Fisheries Science and Technology", a delegation of NTU paid a visit to the National Taiwan Ocean University to exchange experiences on journal development.*

At NTOU, the NTU delegation had met with the leaders of NTOU's Journal of Marine Science and Technology. This journal has achieved SCIE certification and is considered a prestigious journal in the field of marine science and technology of Taiwan.

During the discussion, the two parties addressed 4 main issues: how to manage and operate a journal, journal editorial issues, collaborators development and journal publishing and promotion.

Given the experience of managing a leading journal, NTOU representatives shared their own valuable know-hows in

developing a standard journal into an SCIE-certified journal. They have expressed the willing to help NTU to develop its Journal, step by step, from a standard journal to an ISI certified one.

Within the visit, the NTU delegation also met with the leaders of NTOU's Transportation Engineering Faculty to discuss future cooperation. Specifically, NTOU will appeal to other partners to allow NTU to join the consortium of Asian Universities which have marine transportation and shipping programs and support NTU to bid for hosting an international shipbuilding technology workshop in 2018.

## SIGNS COOPERATION AGREEMENT WITH JAPANESE LANGUAGE EDUCATION ASSOCIATION

June 21<sup>st</sup>, 2016: NTU signed cooperation agreement with the Japanese Language Education Association for non-kanji countries (JLAN) with the aim of strengthening academic exchanges, research, and promoting social and cultural exchanges between Vietnam and Japan. Assoc. Prof. Trang Si Trung – Rector of NTU, Mr. Hashino Nobuo - representative of the Association and representatives of both parties attended.

Regarding the agreement, the two parties agreed to organize joint seminars to promote cultural exchange between the two countries and enhance cooperation in Japanese language education in Vietnam. Specifically, the Association will send teachers and provide textbooks to serve teaching Japanese at NTU and NTU will use JLAN - Test organized by the Association to evaluate Japanese language proficiency level of students.



## INTERNATIONAL MASTER'S PROGRAM ON MARINE ECOSYSTEM-BASED MANAGEMENT AND CLIMATE CHANGE – 2<sup>ND</sup> COHORT OPENING CEREMONY.



**A**pril 27<sup>th</sup>, 2016: NTU held the opening ceremony for the 2<sup>nd</sup> cohort of the international master's program (2016-2018). 21 students from 10 countries have been admitted into the program including Vietnam, Bangladesh, Cambodia, Ghana, Kenya, Nigeria, Sri Lanka, Liberia, Uganda, and Zambia.

*The International Master's program on Marine Ecosystem-based Management and Climate Change is a component of a cooperation agreement between the Norwegian Development Cooperation Agency (NORAD) and NTU in the NORHED project which focuses on climate change issues in fisheries and aquaculture management in Sri Lanka and Vietnam*

**I**n his speech, Assoc. Prof. Trang Si Trung – Rector of NTU - congratulated the students and hoped that they would successfully complete the program and become experts in the field of Ecosystem-based Management and Climate Change. The Rector also expressed gratitude to the lecturers and international scientists who participates in teaching and supervising the students. Their collaboration is a great contribution to the enhancement of training and research at NTU.

*The instruction language of the program is English. Lecturers of the program are scientists and lecturers from prestigious universities*

**T**he students are expected to gain basic knowledge and skills ranging from fishery economics and business management to serve in both public and private sector to the effects of the socioeconomics activities on the environment as well as the impact of changes in environment on economic and trading development process; knowledge related to the management, marine resources exploitation and climate change in Vietnam and other countries in the region; methodology and specialized knowledge to understand and solve problems relevant to marine resource management and climate change in Vietnam and other countries based on scientific methodology and specialized knowledge from Norway and developed countries in the world.

*from Norway, the United States, Sri Lanka, Indonesia and a number of countries in the Asia Pacific region.*

# OPEN DAY 2016

May 15<sup>th</sup>, 2016, NTU organized "Open Day 2016" with a lot of interesting activities such as the undergraduate program exposition, National Exam 2016 information, campus tour, sports activities and music performances. The event attracted approximately 1500 pupils from high schools in Khanh Hoa and Phu Yen provinces. On the occasion, the university presented 22 scholarships (1 million VND each) to excellent pupils from 11 high schools.



Open Day 2016 was organized to provide high school pupils, parents, and the community information about training and education activities at NTU, information about the 2016 National Examination and NTU's admissions. NTU staff and lecturers were present at the event to answer questions and give advice in choosing majors of studies or career orientation. The event participants were offered campus tours to visit classroom buildings, dormitories, library, laboratories and museums, etc. In addition, they also had the opportunity to meet with NTU's students who organized cultural performances, the Food Festival, and documentary shows to welcome the guests.



The information kiosks of the faculties and institutes attracted many visitors. Here they could learn about the development and achievements of the program they would like to study, or information about admission, scholarship opportunities, study abroad programs, career orientation and available jobs upon graduation.

In addition, a career fair was also organized on the same day for NTU students to meet businesses and find employment opportunities. 10 companies participated in the fair this time including Asian Corp; Truong Hai Auto JSC; Petrolimex commercial bank; Viettel Khanh Hoa; Vietnam Australis Fisheries Co, Ltd; ALMA Co, Ltd; FPT Co, Ltd; Vinpearl company; Nam My fisheries hatchery production Co, Ltd; and Long Sinh Co, Ltd.



Open Day 2016 is a very useful event for pupils in Khanh Hoa and other neighboring provinces. NTU is committed to organize more interesting and useful activities in the future to help the community understand about its training and education goings-on.





## STAFF AND STUDENTS OF NTU LIVEN UP IN THE NATIONAL ELECTION DAY

*May 22<sup>nd</sup>, 7718 voters took part in voting in four polling stations at NTU to elect two deputies to the National Assembly, five deputies to the Khanh Hoa Provincial People's Council and three deputies to the Nha Trang city People's Council.*

The election of deputies to the XIV National Assembly and People's Councils at all levels is an important political event. Vietnamese citizens exercise their democratic right and fulfill their political responsibility to the Nation by voting and electing talented and virtuous candidates to the National Assembly and People's Councils at all levels.

At the polling stations at NTU, the preparation for the election was carefully carried out as planned with the highest determination to ensure the success of the election day. Specifically, the university established a Steering Committee, a Board of Election and electoral teams, planned and assigned tasks to institutions, discussed with staff and students about the purpose and significance of the election and listed voters and candidates' CVs for reference in advance.

Starting from 7:00 am, May 22<sup>nd</sup>, 2016, thousands of voters gathered at the four polling stations to participate in the election in a very exciting atmosphere. Recognizing the importance of each vote which directly expresses citizens' rights, obligations and responsibilities in the selection of the most deserved deputies to represent the will and aspirations of the people, the voters carefully studied the background of each candidate to make the wisest vote, hoping to choose the candidates with the best qualifications to contribute to the development of the province in particular and of Vietnam in general.

Thanks to the clear and specific assignments and directions by the Organization Committee, the election went smoothly and safely. All voters strictly followed the process and rules of voting. The voting concluded at 7pm, with a percentage of 97.3% voters taking part in. The Board of Election executed vote counting in witness and supervision of the local authorities.



## NTU SUCCESSFULLY HOSTED THE NATIONAL HIGH SCHOOL GRADUATION EXAM 2016

*From July 1<sup>st</sup> to 4<sup>th</sup>, at the exam cluster No 49, NTU has succeeded in hosting the National High School Graduation Exam 2016.*

Starting from June 26<sup>th</sup>, NTU Student Association has launched a campaign to assist the examinees. 200 NTU students joined the initiative **"Students with the National High School Graduation Exam"**. The volunteers were organized into 10 teams camped at 10 exam points, bus stations, and main streets to support the examinees. They have helped look for free accommodations, find cheap and hygienic restaurants; and regulate traffic.

With the support of donors such as Nha Trang MTV Sanest Co., Ltd, Viettel Telecom Company, Ltd. Nha Trang House of Sanest Co., Ltd, Military Bank (MB), and Youth Newspaper and authorities of Khanh Hoa province, the examinees were provided with 1810 free accommodations at the dormitories of NTU, 1000 rooms in hotels near exam points and more than 20,000 free water bottles.

The university had prepared 305 exam rooms in 10 exam points and mobilized more than 750 staff to coordinate the exam. It had also cooperated with the provincial health services, police agencies to ensure medical services, traffic, security, and other logistics. All infrastructures serving the exam were also carefully prepared.

As the exam concluded, there was 99.04% examinees turned up at the exam cluster No 49, with Foreign Languages subject having the highest participants - 99.55%, History subject had the lowest participation - 94.02%. Reports showed that 6 examinees violated the exam regulations and were dismissed from the exam. This included 5 examinees bringing cellphones into the exam rooms and 1 examinee used prohibited materials in the exam room. All proctors and exam supervisors performed well their duties with no reported violations.

69 teachers from NTU and other universities, colleges and high schools in Khanh Hoa province will grade the exams from July 7<sup>th</sup> to July 20<sup>th</sup>.



## LAUNCHES OF THE COMPOSITE FISHING VESSELS

In April, May and June of 2016, with financial assistance from the Government according to the Decree 67, the Institute of Shipbuilding (UNISHIP) successfully launched three composite fishing ships *Truong Sa 2* (4/2016), *Tuan Tu 1* (5/2016) and *Jumong Truong Sa* (6/2016) for fishermen in Khanh Hoa and Nghe An provinces.



Being the 6<sup>th</sup> and 8<sup>th</sup> composite fishing vessels designed and built by UNISHIP, *Truong Sa 2* and *Jumong Truong Sa* contribute to enlarge the family of composite fishing vessels in Vietnam. In particular, *Jumong Truong Sa* was ordered by the fishermen Bui Mong known to people as “the hero of the sea” because he has rescued Malaysian fishermen. This 24-meter ship model possesses many breakthroughs in design and technology: the entire deck is designed with a 3-layered structure (sandwich structure) that increases hardness, noise-proof and insulation. That the ship can maintain a temperature of below 8°C in the cold storage room and below 50°C in the engine room will help increase the efficiency of storage and the life of the engine.

The name “*Truong Sa*” is a reminder of the sacred islands of the country which Vietnamese people have a duty to protect, restore and develop. Vietnamese fishermen especially those fishing offshore, are truly silent soldiers who contribute significantly to protect the maritime sovereignty of Vietnam.

Beside *Truong Sa 2* and *Jumong Truong Sa*, in May 2016, UNISHIP also successfully launched another fishing vessel called *Tuan Tu 1*. This is the first composite fishing ship built for a fisherman in Nghe An province, introducing the fishermen in the North region of Vietnam to a totally new ship model of high economic efficiency.



## PROCESS OF BIOMASS CULTURING LIMNODRILUS WORMS

*Truong Thi Bich Hong et al.*

*The project aims to establish a process for culturing Limnodrilus worms to feed aquarium and cultured freshwater fish with high economic value.*

*L. hoffmeisteri* is one of the invertebrate species of the Tubificidae order, Oligochaeta class. This worm thrives naturally in areas such as waste water ditches, middle and lower basins of rivers where the muddy bottoms are not affected by saltwater, and aquaculture ponds. The worm is used as an important live food for ornamental fish and freshwater fish larvae. However, harvest quantity from the wild is unstable due to urbanization, shrunken canals, and increased salinity during dry seasons since these limit their distribution. In addition, worms harvested in the wild, especially from polluted waters, can carry unwanted germs into aquariums or ponds and caused harms to the cultured fish. To address this problem, the researchers of the Institute of Aquaculture, NTU has conducted a research on the process of culturing the worms (*L. hoffmeisteri*).

The results of the study show that the worms thrive better in mud substrate environment than in substrate combined

of mud and sand, or cowdung and sand ones. The worms grow and develop well under the drip system (in the laboratory), the circulated water system (biomass culturing in cement grooves). Initial biomass culturing shows that they grow best with a population of 300g/m<sup>2</sup> as compared with 100g/m<sup>2</sup> and 200g/m<sup>2</sup>. Soybean meal is a more suitable food as compared to corn meal, rice bran, cow dung and chicken dung. To reduce production costs, we can mix soybean meal, corn meal and rice bran.

Weight and length of the worm increase very fast before cocoon formation (from 1 to 35 days old), after the first cocoon formation, the worm’s growth will slow down. Therefore, biomass culturing period should last 4 to 5 weeks. Worm biomass can be obtained by creating a hypoxic environment. The worms are used as food for ornamental fish, eel larvae (from the end of yolk eel to 25 – 30g /individual).



## COMMON DISEASES IN SHRIMP CULTURED IN NINH THUAN PROVINCE

*Pham Quoc Hung & Nguyen Thi Thuy Giang - Institute of Aquaculture*

**W**hite-leg shrimp (*Litopenaeus vannamei*) has become the most commonly cultured species in Ninh Thuan province. However recently, outbreaks such as white spot virus disease (WSSD), yellow head disease (YHD) and Acute Hepatopancreatic Necrosis Syndrome (AHPNS) have been rampant and caused serious losses to shrimp farmers. These problems are also popular throughout Southeast Asia. To prevent and control these diseases, a research has been carried out between 2013 and 2015 by researchers of the Aquaculture Institute, NTU, to identify pathogens, pathogenesis, etiology, histopathology and epidemiology to suggest effective prevention and treatment methods.

**T**he research showed that there were approximately 12 common diseases in *Litopenaeus vannamei*, including Acute Hepatopancreatic Necrosis Syndrome (AHPNS)/ Early Mortality Syndrome (EMS), Red body/White spot virus syndrome (WSSS), white feces syndrome, cotton tail/white patch, fungal diseases, slow growth syndrome, yellow/red/dark color markings, black gill syndrome and tail rotten disease. Among them, Acute Hepatopancreatic Necrosis Syndrome (AHPNS), red body syndrome and white feces and cotton tail syndrome are most common and have caused serious losses. In Ninh Thuan province, Acute Hepatopancreatic Necrosis Syndrome (AHPNS) occurs the whole year but most prevalent from April to September (the dry season with a very high temperature) which is also the main season for shrimp culture.

### *Clinical signs of Acute Hepatopancreatic Necrosis Syndrome (AHPNS) in *Litopenaeus vannamei**



*Above: AHPNS-infected shrimp, Pale, atrophied hepatopancrea (HP), and an empty stomach*



*Tough and shrunken hepatopancreas*

**R**ed body syndrome (RBS) or White spot virus syndrome (WSSS) of cultured white-leg shrimp (*Litopenaeus vannamei*) has caused the most severe losses in shrimp farming. Diseased shrimp usually reduce their diets for 2-3 days before stopping eating; Lethargy, anorexia, empty gut, red color/ white spot marks appear on their bodies. The mortality could reach up to 100% within 7 days. The outbreak of diseases often occur in the second month of the culture cycle. The highest death rate due to RBS/WSSS is common during changing of season time (40.38%). In wet and dry season, the rates are lower at 28.84% and 17.30%, respectively.

### *White spot virus syndrome (WSSS) in *Litopenaeus vannamei**



*Red/pink color, emmy gut*



*Dark red color*



*White spots 0,5 - 1 mm*

**T**he study also reports that dietary supplements could improve shrimp health, growth rates and immune systems. For example, in the 6<sup>th</sup> week a supplement of Mannan oligosaccharide (MOS) (3.0 g kg<sup>-1</sup>) or organic selenium (Se) (0.4 mg kg<sup>-1</sup>) could improve shrimp growth performance, survival rates, and resistance against infection of the White spot syndrome virus (WSSV) and AHPNS- *Vibrio parahaemolyticus*.



## WORKSHOP ON “RESEARCH AND IMPLEMENTATION OF KHANH HOA PROVINCIAL PARTY CONGRESS XVII’S RESOLUTION ON EDUCATIONAL DEVELOPMENT - 2015 – 2020 PERIOD”

*13<sup>th</sup> June, 2016: NTU, in collaboration with Khanh Hoa Propaganda Board, organized a conference on “Research and implementation of Khanh Hoa Party Committee Congress XVII’s Resolution on education, training and development for the period of 2015 - 2020 “. Mr. Nguyen Tan Tuan - Deputy Secretary of the provincial Party Committee, leaders of the provincial Propaganda Board and more than 150 delegates who are leaders of the provincial departments and other educators, scientists attended.*

The workshop included 40 presentations by educators, scientists, managers from universities, colleges, vocational schools, research institutes and departments of Khanh Hoa province. The reports mentioned the basics of education and training in Khanh Hoa Province, such as the status and solution for education development in Khanh Hoa for the period of 2015 - 2020; Status and solutions for Khanh Hoa to be the center of education and training in the South Central region and Central Highlands; The development of a network of vocational training institutions, colleges and universities; Human resources training to develop the tourism industry in Khanh Hoa province; Administration innovation, education quality and scale development; Staff training; Human resource development to develop provincial social and economic development; Connection between local universities, institutes and foreign educational institutions in training high qualified human; Education and Training, etc.

The participants were interested in fundamental and innovation in education and training in Khanh Hoa province, how to train high qualified human resources based on the demand of the society and meet economic development needs. In addition, undergraduate and vocational education was also discussed.

In this seminar, NTU presented reports on the status and solution for high quality human resources meeting Khanh Hoa’ social economic development needs; Human resource development for Tourism industry; Connection between universities, colleges, institutes and enterprises in Khanh Hoa province; Joint training with foreign educational institutions; Quality improvement of teachers and education managers.

## TAIWAN-VIETNAM ADVANCED MARINE AQUACULTURE TECHNOLOGY CONFERENCE



*Many of the latest developments in aquaculture were informed.*

**A**pril 5<sup>th</sup> and 6<sup>th</sup>, 2016: NTU and the National Taiwan Ocean University (NTOU) co-organized the 3<sup>rd</sup> Aquaculture Symposium “**Taiwan - Vietnam Advanced Marine Aquaculture Technology Conference**”. Assoc. Prof. Trang Si Trung –Rector of NTU, Prof Ching-Fong Chang –President of NTOU and over 120 delegates (sponsors, businessmen, scientists, and national and international guests) attended the conference.

**T**hirteen reports informing the latest findings about super-intensive shrimp farming technology, disease prevention and aquaculture system management were presented at the conference

**T**he conference announced the latest research achievements of aquaculture to the community, scientists, businesses, domestic and international managers that encourage parties to discuss and evaluate the current situation and potential strategies to develop more advanced mariculture technology in Vietnam and Taiwan. The workshop was also a forum for scholars to discuss collaborative opportunities on advanced mariculture technology, serving the development of marine fisheries economy of both countries.

**O**n this occasion, NTU and NTOU also renewed a MoU, through which the two parties will continue to further expand cooperation in the fields of education, research and development.

## EDUCATIONAL CAREER MENTORING WORKSHOP FOR FEMALE LECTURERS

*Many issues related to the career development for women, benefits of a mentoring program and the experience of universities were discussed during the workshop.*

**A**pril 26<sup>th</sup>, 2016, NTU, in collaboration with the Management Board of the NORHED Project, organized a career development workshop for female staff and lecturers. Assoc. Prof. Trang Si Trung – Rector of NTU and other speakers from NTU, the university of Tromso - Norway, Auburn University - USA, and the university of Ruhuna - Sri Lanka attended the workshop.

**A**t the workshop, experts presented reports on the following issues: a foundation for career development for women; the benefits of a mentoring program for female lecturers; experiences of NTU, Tromso University, Auburn University and Ruhuna University in professorship mentoring for women. At the workshop, participants, staff and lecturers at NTU exchanged many ideas and discussed policies on

how to support women to conduct more research, participate in international conferences, publish articles in international journals and write books. The female lecturers expect the leaders of the university and the NORHED project to keep supporting them to achieve their career targets.

**O**ver the years, NTU has initiated a number of policies to assist female lecturers in their career development. To continue supporting the female lecturers, especially those who have doctoral degrees in achieving higher academic titles (Associate Professor and Professor) in the coming years, the university will provide a budget to support women in conducting research, writing and publishing articles in prestigious international journals and participating in international conferences.



## MR. LE CONG LAP, THE SECRETARY OF NTU YOUTH UNION - A MODEL FOR STUDENTS -



for schools in underprivileged areas of the province where children have no playing grounds.



Having worked at NTU since 2011 as a lecturer in the Civil Engineering Faculty, Mr. Lap was elected to be the Secretary of NTU's Youth Union in 2014. Mr. Lap has been able to effectively combine both teaching and administrative work. Besides being a responsible lecturer, he is also a dedicated, exemplary and enthusiastic leader of the youth. He brings on new ideas and initiatives which are appreciated by the university's Party, organizations and students.

Mr. Lap is actively involved in the project of building free playgrounds for children in elementary schools. With recycled materials such as tires, ropes and used timber, the union members created playgrounds for children with many outdoor toys such as: a ladder made from car tires, net ladders, balance boards swings and slides. Until now, the Union has built 9 free playgrounds for children in Khanh Hoa province, consulted for construction for more than 20 playgrounds in Dak Lak, Ninh Thuan, Kon Tum and Quang Nam provinces. Mr. Lap informed that he and members of the Executive Committee of the Youth Union learned about this model from the Center of Urban Development. The Union then has built many playgrounds

On a business trip, he found out about the project "Improving youth's capacity by participating in organic agricultural production system". He then started the idea of building organic vegetables garden at charitable houses and temples to help people to improve their meals. He immediately started the work and up to now, the Union has built, for free, a 1000 m<sup>2</sup> organic vegetable garden for Anh Dao charitable house (Ninh Hoa town); and a 500 m<sup>2</sup> therapeutic vegetable garden for Khanh Hoa Mental Hospital, adding to the hospital's food and medicine plants.

In addition, Mr. Lap also actively sought for funding from non-governmental organizations to implement social projects for the community and facilitate volunteering activities of the Union. Many projects have been carried out including the installation of clean water tanks and solar-powered systems for people in Diep Son Island (Van Thanh Commune, Van Ninh district); building a cement bridge across the river and providing a clean water supply system for the rural people in Vinh Yen (Van Thanh commune, Van Ninh district). Moreover, Mr. Lap has organized many volunteering trips to help people in difficult areas.

In addition to volunteering activities, Mr. Lap has many creative ideas to support students such as organizing "Students and career orientation and university admissions" and "Students and the national high school examination" campaigns; nominating students to participate in the training courses "From university to community"; actively calling for funding for scholarships for poor students to continue their studies. He said, *"To make sure that activities have practical impacts, I always stick to the program and the motto of the Union and focus on quality. The organic vegetable garden is a practical model, so we will replicate the project to other social centers in the province"*.



*Mr. Le Cong Lap is a role model who always brings innovative activities and implements a lot of practical works, which promote the activity of the Youth Union*

- Mr. Nguyen Van Nhuan  
Secretary of Khanh Hoa Youth Union

## ECOLOGICAL AUTOMOTIVE – REWARDS FOR GREAT EFFORTS BY STUDENTS AND LECTURERS FROM THE FACULTY OF TRANSPORTATION ENGINEERING

April 17<sup>th</sup>, 2016, three teams from the Faculty of Transportation Engineering, NTU presented their eco-automotives at the final rounds of the contest **"Honda Eco Mileage Challenge"**. They were ranked 6<sup>th</sup> out of 227 teams competing in the homemade automotive category.

A lecturer said, "even though we could have performed better, the students and lecturers absolutely deserved the result because of their efforts during the process of preparation for the contest from idea formation to research, construction of models and planning of strategies to compete in the contest. The result achieved is a prerequisite for a better preparation which will eventually lead to a higher ranking in the next years."



The contest "Honda Eco Mileage Challenge" - Honda EMC was first originated in Japan in 1981. In Vietnam, the contest was first held in 2010 by Honda Vietnam Co., and this is the 7<sup>th</sup> Honda EMC. This contest attracted 537 teams from 157 universities, colleges, organizations as well as individuals from across the country, together with one team from Japan. The contest Honda EMC is a useful event for students who have a passion for technical creativity. It helps them improve teamwork skill and strengthen awareness of environment protection.

## NTU STUDENTS SHOW TALENTS AT MINIROBOCON CONTEST AND NHA TRANG TECHSHOW 2016

From April 22<sup>nd</sup> to 23<sup>rd</sup>, 2016, Khanh Hoa Department of Science and Technology and Communication University co-organized the "Minirobocon contest and Nha Trang Techshow 2016".

There were 22 teams participating in the contest charged with the theme "For Spratly Islands". NTU contributed three teams of students from the Faculty of Electrical and Electronic Engineering. Passing the elimination rounds with many opponents, one of NTU's teams - DDT3 - excellently entered the quarter-finals and received a consolation award.

Nha Trang Techshow 2016 gathered many scientists, businesses and students from universities in Khanh Hoa province. The Faculty of Electrical and Electronic Engineering and the Faculty of Mechanical Engineering of NTU brought automated and solar-powered products, 3D printers and complex weighing systems to the show.



Despite being held for the first time, the Minirobocon contest and Nha Trang Techshow 2016 attracted many students. The contest will be held annually and will be open to all universities and colleges in Khanh Hoa province.



## “TECHNICAL FESTIVAL”

Faculty of Mechanical Engineering

AWAKENS STUDENTS'  
CREATIVITY

*May 15<sup>th</sup>, 2016: the Faculty of Mechanical Engineering organized Technical Festival 2016 where students displayed their invented ping pong serving tools and mousetrap cars.*

There were 28 teams participating in the contest of designing, constructing, and performing mousetrap cars. The rule was that each car should be equipped with a mousetrap spring (to move the vehicles) and designed to run straight (inside a one-meter wide lane) on a rough surface. The teams produced many models with various designs; some were unique, showing their great creativity. At the end of the contest, the organizers awarded the first prize to the team The Ring, the second prize to the team Red Sea and the third prize to the team Power of the Mouse. The prize for the fastest car went to the team 6789.

There were 11 teams competing in the contest of designing, constructing, and performing ping pong serving tools. They showed their creative thinking through the designs. With a plastic water pipe as the throat of the tool and diverse motivational materials (springs, rubber bands), the teams designed and built many models which generated fast and accurate serving. The fastest tool can served 48 times/min) in the harder serving area on a ping pong table. At the end of the contest, the organizers awarded the first prize to the team ABC, the second prize to the team F6 and the third prize to the team Nameless.

The Technical Festival 2016 of the Faculty of Mechanical Engineering attracted lecturers, students and parents. According to Dr. Nguyen Van Tuong - Dean of the Faculty of Mechanical Engineering, the Faculty will organize this event annually with more interesting activities, thus creating an environment for students to practice active learning methods, gain experience and become more creative.



## THE CONTEST “RING THE GOLDEN BELL 2016” – A USEFUL ACTIVITY FOR STUDENTS

*May 13<sup>th</sup>, 2016: the final round of the competition “Ring the golden bell 2016” was organized for 100 finalists who passed the elimination rounds.*

The students competed through 30 questions covering 4 topics: The History of the Communist Party of Vietnam; April 30th historic victory; Ho Chi Minh’s Life and Career; and the History of the Party Committee of NTU and NTU’s development. Surpassing many opponents, the student Do Nguyen Truc Lam – Business Administration major - class 55 QTKD1, received the first prize. The 2nd prize went to the student Do Nguyen Quynh Lam – Business Administration major, class 55QTKD1.

The contest helped students gain more knowledge about Vietnam’s Communist Party, President Ho Chi Minh and NTU. It was also a useful event for students to show their talents, creativity and improve soft skills.



## A GALA TO COMMEMORATE YOUTH MONTH ACTIVITIES 2016

*April 4<sup>th</sup>, 2016: NTU's Youth Union and Student Association organized a gala to commemorate the Youth Month 2016, honoring volunteers and awarding scholarships to students. Leaders of Khanh Hoa Youth Union, representatives of sponsors, the Rectorate Board and over 2000 students attended the event.*



All activities carried out during the Youth Month such as volunteering works, sport competitions and musical performances were summarized at the gala. 20 scholarships were presented to outstanding volunteers of the Youth Union and Student Association. These are individuals or groups of students who have achieved good results in sports and music tournaments.

Also at the gala, Dr. Khong Trung Thang – Vice Rector, Secretary of the university's Party Committee shared how happy he felt seeing a lot of achievements that the

Youth Union has achieved in the month. He also advised the Youth Union in planning future activities.

The event is an occasion for the Youth Union to commemorate the activities they have done and to honor excellent individuals and collectives. This was also a chance for students to learn about each other, to share their experience in volunteering and to improve social skills, ultimately improving the capacity of the Youth Union's members.



### NTU'S STUDENTS WITH CHANCES TO BECOME VIETNAM AIRLINES' FLIGHT ATTENDANTS

*Vietnam Airline's Recruitment Day helps NTU's students to realize their dream of becoming flight attendants in the future.*

April 28<sup>th</sup>, 2016: NTU, IIG and Vietnam Airlines organized an event to recruit future flight attendants. Representatives of the organizations and more than 500 students attended.

At the event, representatives from Vietnam Airlines distributed application forms to students and presented a brief introduction of career development with Vietnam Airlines. In addition, experienced flight attendants were also present to share their experiences relating to the interview process with students and what to do to become flight attendants. Vietnam Airlines plans to hire 700 staff in 2016 and 800 staff in 2017. At the event, the organizers presented 5 scholarships (1 million VND each) to outstanding students of the university.

Recruitment Day is an event regularly organized at the university to provide students with job interview experience and career orientation. This is also a good opportunity for businesses to approach young and competent candidates for their hiring.



## 2016 SPORTS COMPETITION AMONG UNIVERSITIES, COLLEGES AND VOCATIONAL SCHOOLS IN KHANH HOA

**From April 20<sup>th</sup> to 25<sup>th</sup>, 2016:** A competition was organized at Nha Trang Vocational School with the participation of 200 competitors who were staff from 8 organizations in Khanh Hoa province. The sport competition was an activity to celebrate the 41<sup>st</sup> anniversary of the Liberation and Reunification Day (30.04.1975 - 30.04.2016) and the 126<sup>th</sup> birthday of President Ho Chi Minh (19.05.1890 - 19.05.2016).

The NTU team competed in 3 events (male soccer, badminton and ping pong). The team ranked second for their excellent performances with 3 gold, 1 silver and 5 bronze medals. The sports competition promotes physical exercise, extracurricular sports for staff and creates solidarity and understanding between the universities, colleges, and vocational schools in Khanh Hoa.

## DISCUSSION BETWEEN NTU STAFF AND THE RECTOR

*In the implementation of Democratic Regulation from Grassroot level, on June 1<sup>st</sup>, 2016, the Rector held discussions with the entire staff of NTU. This was the 3<sup>rd</sup> discussion between the university leader and the staff regarding all University's issues.*

*The discussion covered results in addressing issues raised by staff in the first 6 months of 2016 as well as the key activities for the following 6 months. The Rector also answered questions by the staff and gave an explanation on key issues, focusing on supports for lecturers to achieve Professor/ Associate Professor title; improvement of quality of training (adjust training programs, strengthen cooperation with businesses to help students adapt to working environment quickly after graduation, improve staff's English skills and soft skills for students); research improvement; investment in training equipment, laboratory; and campus enhancement.*

## THE 4<sup>TH</sup> NATIONAL SINGING CONTEST FOR TEACHERS



**April 20<sup>th</sup> and 21<sup>st</sup>, 2016:** A singing contest was held for the teachers in the Central regions and Highlands in Da Nang city. There were 19 teams and almost 800 performers (89 performances including songs, dances and dramas) from provincial departments of education and training, universities and colleges in the regions.

The NTU team brought to the event 5 performances with the most notable being the performance "Bang khuang Truong Sa" a men's trio which won the 3<sup>rd</sup> prize. At the end of the contest, the NTU team won third prize in overall.

## CHILDREN'S DAY CELEBRATION

**May 31<sup>st</sup>, 2016:** to celebrate the International Children's Day (June 1<sup>st</sup>), at the university's Gymnasium, NTU's Staff Union organized the event "Happy Children's Day" with numerous interesting collective games for more than 580 children of the staff of NTU.

On June 1<sup>st</sup>, the Staff Union organized a meeting to honor the staffs' children who received prizes at various Excellent Student Contests in the academic year 2015 – 2016. There were 233 children achieving excellent results throughout the school year. Especially, there were 7 students winning prizes at the municipal level, 27 students winning prizes at the provincial level, and 2 students winning prizes at the national level.







Energy is one of the most important and indispensable natural resources in the industrialization process of a country. The lack of energy is not only a major challenge for the economic development of Vietnam but of all countries in the world. Sources of traditional fossil energy such as coal, oil, gas, etc., are running out. High cost and unstable supply could create negative effects on the environment and climate change. Therefore, the search for alternative energy sources is urgent and necessary. Geothermal energy, one important source of energy, can serve well as an alternative. However, the exploitation and utilization of this energy source has not been widely applied, especially in the field of agriculture and food production. In order to disseminate the experience in the exploitation and utilization of geothermal energy in these areas, under the sponsorship of the Food and Agriculture Organization (FAO), a book entitled **“Geothermal energy in food production and agriculture - Opportunities for developing countries”** has been published. This is the result of a collaboration between Dr. Nguyen Van Minh – a lecturer of NTU and some scientists from Iceland. Iceland is a country with abundant experience in the exploitation and utilization of geothermal energy. The book introduces basic techniques in the exploitation and application of geothermal energy in agriculture and food production to help developing countries to explore this source of energy. Especially, Mr. Ólafur Ragnar Grimsson - President of Republic of Iceland, has written the book foreword, indicating the importance of the exploitation and utilization of geothermal energy.

Authors: Nguyen Van Minh, Sigurjón Arason, Margeir Gissurarson, Páll Gunnar Pálsson (2015). **Geothermal energy in food production and agriculture - Opportunities for developing countries**. Published by Food and Agriculture Organization of the United Nations.



## UPCOMING EVENT



 **WELCOME THE NEW SCHOOL YEAR  
2016-2017**

