

Final Workshop Programme in Nha Trang

- ✓ **Date: 22-23 July 2023**
- ✓ **Venue: Nha Trang University, 02 Nguyen Dinh Chieu, Nha Trang city, Vietnam**
- ✓ **Co-organised as Special Sessions of Marine Sustainable Development Innovation (MSDI) 2023 Conference** which is organised by Nha Trang University on 22-23 July: <https://msdi.ntu.edu.vn>

Update, 19 July 2023

Date	Time	Content & activities	Who	Notes
22 July 2023	07:30-08:00	Welcome reception & Registration		
	08:00-09:00	Opening Ceremony of MSDI 2023 Conference	Welcome speech by Prof. Dr. Trang Si Trung - Rector, Nha Trang University (NTU) Welcome speech by Ms Donna McGowan, Country Director of British Councils Vietnam Sponsorship Appreciation Certificates given by MSDI 2023 Organizer	Convention Hall No. 1
	09:00-09:15	Photo session with all participants		Please move to the next room after photo session
Special Session 01: The UK and Vietnam Workshop on a Shared Heritage of sustainable University – Industry links, Impactful Research, Digital Education and Academic Mobility (iRDAM) (Chairs: Prof Johannes Benedikt, Prof Anh Phan, Dr Michael Packianather & Dr Chi Hieu Le)				Room G4.04
	09:15-09:20	Opening of the Workshop	<u>Dr Quach Hoai Nam</u> , Vice Rector, Nha Trang University	
		Part I: Keynote Lecture/Presentations (Chairs: Prof Johannes Benedikt & Dr Chi Hieu Le)		Special Session 01: Room G4.04

	09:20-09:35	Activities and potential opportunities of British Councils in Vietnam	<u>Ms Van Anh Hoang</u> (British Council VN)	Offline or online
	09:35-09:55	Sustainable Development of University and Industry Partnerships	<u>Prof. Johannes Benedikt, Dr. Michael Packianather</u> (Cardiff University, UK)	
	09:55-10:15	Impact Rankings and Integration of Principles of Sustainability and United Nations' Sustainable Development Goals into Study Programmes in Higher Education Institutions	<u>Dr. Chi Hieu Le</u> , Samuel Mengistu (University of Greenwich, UK), Van Duy Nguyen (Newcastle University & Nha Trang University), Ho Quang Nguyen (Thu Dau Mot University), Tan Hung Le (SOICT, University of Science and Technology, Hanoi), Nguyen Thi Trang Nhung (Hanoi University of Public Health), Anh My Chu (Le Quy Don Technical University), Trung Thanh Bui (Hung Yen University of Technology and Education), Michael Packianather (Cardiff University, UK)	
	10:15-10:30	Tea & Coffee break		
	10:30-10:50	A Framework and Strategy for University Ranking and Performance Improvement	<u>Assoc. Dr. Bui Trung Thanh</u> (Rector, Hung Yen University of Technology and Education), Tan Hung Le (SOICT, University of Science and Technology, Hanoi), Chi Hieu Le, Samuel Mengistu (University of Greenwich, UK), Van Duy Nguyen (Newcastle University & Nha Trang University), Ho Quang Nguyen (Thu Dau Mot University), Michael Packianather (Cardiff University, UK)	
	10:50-11:10	University-based Technology Start-ups: Generation, Protection and Commercialization of Intellectual Property Rights	<u>Dr Chu Duc Hoang</u> (Head of Office, National Technology Innovation Foundation, Ministry of Science and Technology), Chi Hieu Le, Samuel Mengistu (University of Greenwich, UK), Van Duy Nguyen (Newcastle University & Nha Trang University), Tan Hung Le (SOICT, University of Science and Technology, Hanoi)	
	11:10-11:30	Academic Mobility and Internships: A Shared Experience and Framework for Enhancing Student Employability and Professional Skills as well as Promoting Inclusivity and Diversity in Higher Education	<u>Le Tan Hung</u> (Director, Innovation Center of SOICT, Hanoi University of Science and Technology (HUST)), Quyet Thang Huynh (Rector, HUST), Trung Thanh Bui (Hung Yen University of Technology and Education), Chi Hieu Le, Samuel Mengistu (University of Greenwich, UK), Van Duy Nguyen (Newcastle University & Nha Trang University), Ho Quang Nguyen (Thu Dau Mot University), Michael Packianather (Cardiff University, UK)	
	11:30-12:30	LUNCH		Convention Hall No. 1 (front)

		Part II: Invited Presentations to showcase the shared heritage on University-Industry (U-I) links and impactful research & innovation outcomes (Chairs: Prof Anh Phan, Dr Michael Packianather)		Special Session 01: Room G4.04
	12:30-12:45	Renewable cellulose aerogel from barley straw in wastewater treatment	<u>Dr. Ha H. Phan</u> , Duy V. Nguyen, Anh N. Phan (Newcastle University, UK), Son T. Nguyen, Ha K. P. Huynh (Ho Chi Minh University of Technology)	
	12:45-13:00	Sporegen and its collaborative activities in Vietnam	<u>Prof. Simon M. Cutting</u> , Huynh Anh Hong (SporeGen Ltd, UK)	
	13:00-13:15	University-Business Partnerships on Digital transformation of Vietnam's coffee industry: A case of study of Iced Coffee on INNSA project	<u>Ms Nguyen Ngoc Thuy</u> (CEO), Tran Truong Giang, IC Group Joint Stock & Development Company (Iced Coffee), Van Duy Nguyen (Newcastle University & Nha Trang University), Chi Hieu Le, (University of Greenwich, UK), Michael Packianather (Cardiff University, UK)	
	13:15-13:30	Tea & Coffee break		
	13:30-13:45	Artificial Intelligence-based Solutions for Improving the Coffee Value Chain	<u>Dr Pham Tri Cong</u> (Thuy Loi University & La Rochelle University, France), Van Duy Nguyen (Nha Trang University & Newcastle University, UK), Chi Hieu Le (University of Greenwich, UK), Michael Packianather (Cardiff University, UK)	
	13:45-14:00	Digital twins for Smart Manufacturing and Industry 4.0	<u>Dr Ho Quang Nguyen</u> (Thu Dau Mot University), Le Minh Huynh (Saigon Hi-Tech Park), Trong Toai Truong (Robot 3T Co. Ltd.), Chi Hieu Le (University of Greenwich, UK), Anh My Chu (Le Quy Don Technical University), Tan Hung Le (University of Science and Technology), Nikolay Zlatov (Bulgarian Academy of Sciences, Bulgaria), Michael Packianather (Cardiff University, UK)	
	14:00-14:15	How Does Technological Innovation Impact and Deal with Environmental Degradation and Climate Change?	<u>Dr Nguyen Thi Trang Nhung</u> (Hanoi University of Public Health & Vietnam National Children's Hospital), Chi Hieu Le (University of Greenwich, UK), Van Duy Nguyen (Newcastle University & Nha Trang University), Michael Packianather (Cardiff University, UK)	

	14:15-14:30	Advanced aerogels from waste tires and coal ash for thermal and acoustic insulation applications	Assoc. Dr. Son Truong Nguyen , Cuc Thi Le, Thinh Quoc Truong, Duy Phuc Thanh Nguyen, Ngan Thi Kim Bui, Ha Ky Phuong Huynh, Anh Tuan Nguyen, Thang Manh Ngo (Ho Chi Minh University of Technology), Xue Yang Goh (National University of Singapore), Anh N Phan (Newcastle University, UK)	
	14:30-14:45	Tea & Coffee break		
	14:45-17:00	Part III: Industry showcase & Media interview	Robot3T (Truong Trong Toai, Ho Quang Nguyen) IVAC (Dr Duong Huu Thai, Director) BioPharco (Dr. Nguyen Thanh Long, CEO; Huynh Thi Thanh Thao) IVRD (Assoc. Prof. Dr. Vu Khac Hung, Director) Iced Coffee (Ms Thuy Nguyen, CEO) LQDU (Chu Anh My) Prof Simon Cutting (Sporegen, UK) Prof Anh Phan (Newcastle University, UK), Assoc Prof Ky Phuong Ha Huynh, Assoc Prof Truong Son Nguyen (Ho Chi Minh University of Technology)	Special Session 01: Room G4.04 Special Session 02: Room G4.05
Special Session 02: The UK-Vietnam Workshop on Bioengineering and Sustainable Health: Spore vaccine for <i>Helicobacter pylori</i> and new technologies for sustainability (Chairs: Prof Simon Cutting, Dr Huu Thai Duong, Assoc. Prof. Hung Vu Khac & Dr Minh Thiet Vu)				Special Session 02: Room G4.05
	14:30-14:45	Opening of the Workshop	Assoc. Prof. Pham Quoc Hung , Vice Rector, Nha Trang University	
		Part I: Invited Presentations (Chairs: Prof Simon Cutting, Dr Huu Thai Duong)		Special Session 02: Room G4.05
	14:45-15:15	Oral Presentation (OR1): Prophylactic Immunization to <i>Helicobacter pylori</i> Infection using Spore Vected Vaccines	Prof Simon Cutting , Paidamoyo M. Katsande, Huynh Anh Hong (Royal Holloway University of London, UK), Van Duy Nguyen, Thi Kim Cuc Nguyen (Nha Trang University), Thi Lan Phuong Nguyen (Institute of	

			Vaccines and Biological Medicals (IVAC)), Gabrielle Mills, David M. D. Bailey, Graham Christie (University of Cambridge, UK)	
	15:15-15:30	Oral Presentation (OR2): A novel mouse-adapted <i>Helicobacter pylori</i> model: Genomic insights and vaccine pre-clinical evaluation	Dr Van Duy Nguyen (Newcastle University & Nha Trang University), Nguyen Thi Kim Cuc, Pham Thu Thuy, Nguyen Thi Chinh, Pham Thi Lan (Nha Trang University), Nguyen Thi Lan Phuong, Duong Huu Thai (Institute of Vaccines and Biological Medicals (IVAC)), Hoang Dang Khoa Do, Bao Ngoc Mach, Minh Thiet Vu (Nguyen Tat Thanh University), Paidamoyo M. Katsande, Huynh Anh Hong, Simon M. Cutting (Royal Holloway University of London, UK), Anh N Phan (Newcastle University, UK)	
	15:30-15:45	Oral Presentation (OR3): Development of spore vaccine strains against <i>Helicobacter pylori</i>	Nguyen Thi Kim Cuc , Pham Thu Thuy, Nguyen Thi Chinh, Pham Thi Lan, Van Duy Nguyen (Nha Trang University)	
	15:45-16:15	Tea & Coffee break		
	15:45-16:15	Part II: Poster show		Special Session 02: Room G4.05
		Poster (P1): Environmentally Responsible Bioengineering for Spore Surface Expression of <i>Helicobacter pylori</i> Antigen	Thi Kim Cuc Nguyen, Thi Lan Pham, Thi Chinh Nguyen, Thu Thuy Pham and Van Duy Nguyen (Nha Trang University)	
		Poster (P2): Growth and Sporulation of <i>Bacillus subtilis</i> Strains Carrying <i>Helicobacter pylori</i> Urease Antigen	Thi Chinh Nguyen, Thu Thuy Pham, Thi Kim Cuc Nguyen, Van Duy Nguyen (Nha Trang University), Yen Linh Nguyen (Institute of Vaccines and Biological Medicals (IVAC))	
		Poster (P3): The Adaptation Study of New Clinical <i>Helicobacter pylori</i> Strains in Mlac:lcr Mice to Provide A Pre-Clinical Model for Vaccine Development	Thi Lan Phuong Nguyen, Thi Ngoc Trai Nguyen, Nguyen Tuong Van Ta (Institute of Vaccines and Biological Medicals (IVAC)), Thi Kim Cuc Nguyen, Thu Thuy Pham, Van Duy Nguyen (Nha Trang University)	
		Poster (P4): Blood Cell Characteristics and Leukocyte Isolation from Blood of Cultured Permit (<i>Trachinotus falcatus</i>)	Giang Thi-Chau Tran, Nga Thi-My Trinh, Thu Thi-Anh Nguyen, Cam Hong Van (Nha Trang University)	

		Poster (P5): Exploring the Probiotic Potential of <i>Saccharomyces cerevisiae</i> Cultured in Hydrolyzed Green Seaweed <i>Ulva</i> sp. for Aquaculture Applications	Thi Thanh-Hai Nguyen, Nha-Uyen Le, Thi Minh-Hai Pham (Nha Trang University)	
		Poster (P6): Probiotic-Oriented Screening of Bacterial Strains Isolated from the Digestive System of Pacific Oysters <i>Crassostrea gigas</i>	Thi Minh-Hai Pham, Thi Thanh-Hai Nguyen, Nha-Uyen Le (Nha Trang University)	
		Poster (P7): Extreme Temperatures Increase Thermophilic and Pathogenic Bacteria in the Gut Microbiome of Copepod <i>Acartia</i> sp.	Quyen D.H. Vu, Oanh T. Truong, Sang Q. Tran, Binh T. Dang (Nha Trang University), Khuong V. Dinh (Nha Trang University & University of Oslo, Norway)	
		Poster (P8): Comparison of the Pathogenicity of Different <i>Vibrio parahaemolyticus</i> Strains Caused Acute Hepatopancreatic Necrosis Disease (AHPND) In <i>Penaeus vannamei</i>	Nguyen Thi Anh Thu, Le Thanh Cuong and Van Hong Cam, Le Mai Nha (Nha Trang University)	
		Part III: Invited Presentations (Chairs: Assoc. Prof. Hung Vu Khac & Dr Minh Thiet Vu)		Special Session 02: Room G4.05
	16:15-16:30	Oral Presentation (OR4): Next-Generation Sequencing for <i>Helicobacter pylori</i> 's Genome	Dr Minh Thiet Vu , Bao Ngoc Mach, Do Hoang Dang Khoa, (Nguyen Tat Thanh University), Duy V. Nguyen (Newcastle University, UK & Nha Trang University)	
	16:30-16:45	Oral Presentation (OR5): Development of cellulose from agricultural waste for reduced antimicrobial resistance in water towards improving human health	Dr. Ha H. Phan , Duy V. Nguyen, Anh N. Phan (Newcastle University, UK), Son T. Nguyen, Ha K. P. Huynh (Ho Chi Minh University of Technology)	
	16:45-17:00	Oral Presentation (OR6): Developing the shrimp farming wastewater treatment system using biogas technology with supplementation of microorganisms	Dr Nguyen Quang Lich , Nguyen Duc Huy, Nguyen Xuan Huy (Hue University)	
	17:00-17:15	Signing MoU/MoA and research collaborations between Vietnam and UK partners We are planning to sign the MoU/MoA between the UK and Vietnam about establishment of the UK-ASEAN or VIETNAM network of UN's Sustainable Goals in Higher Education, to support universities in Vietnam and ASEAN to improve the rank		Special Session 01: Room G4.04

		in Impact Ranking by Times Higher Education. Please see the following link for more information about Impact Ranking 2023: https://www.timeshighereducation.com/impactrankings : The Times Higher Education Impact Rankings are the only global performance tables that assess universities against the United Nations' Sustainable Development Goals (SDGs).		
	18:30-20:00	Dinner	Co-organised with MSDI Conference for invited/registered participants	Restaurant or Convention Hall No. 2
23 July 2023	08:00 - 17:00	Field trips	Co-organised with MSDI Conference for invited/registered participants	City Tour + Hoa Lan Island

CONFERENCE SITE LAYOUT AT NHA TRANG UNIVERSITY



A: Main Gate (02 Nguyen Dinh Chieu Street, Nha Trang City, Vietnam)

B: Conference Hall No. 1

C: Bus stop

G4: Breakout Session Building (Special Session 01: Room G4.01, Special Session 02: Room G4.02)

G5: Breakout Session Building