



**VAN LANG-HERITECH 2022**  
2nd VAN LANG INTERNATIONAL CONFERENCE  
ON HERITAGE AND TECHNOLOGY

# PROGRAM BOOK

## SUSTAINABILITY & GREEN ENGINEERING

**DURING AND POST COVID-19 PANDEMIC**

Held on 17th of March 2022  
at Van Lang University, Ho Chi Minh City, Vietnam

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# ABOUT THE CONFERENCE

THE 2ND VAN LANG INTERNATIONAL CONFERENCE  
ON HERITAGE AND TECHNOLOGY, 2022  
(VAN LANG-HERITECH 2022)

Theme: SUSTAINABILITY AND GREEN ENGINEERING  
DURING AND POST COVID-19 PANDEMIC

Van Lang HeriTech was born in 2020 from an idea of the ILLU-MICHES, Institute of Cultural Heritage and Development Studies of Van Lang University and the Department of Architecture.

The idea is to create a synergy between Cultural Heritage and Greener Technologies in the World of Business and the Academia.

On its 2nd Van Lang International Conference on Heritage and Technology, 2022, themed as "SUSTAINABILITY AND GREEN ENGINEERING DURING AND POST COVID-19 PANDEMIC" derives to the current situation of the world.

The blast of covid-19 infections in Wuhan, China, shook the entire World as it was not ready to face the most unexpected disaster. The flagship publication of UNDP that "Leaving No One Behind: Impact of Covid-19 on the Sustainable Development Goals (SDGs)", stated that the social and economic impacts of Covid-19 are yet to widen the gap between people living in rich and poor countries, countries on the lower end of human development.

Now, many people are asking about the future development of cultural heritage and technology. To address these gaps of knowledge, our 2nd International Conference is focusing on the UN 2030 Agenda, the opportunity to "build back better" by looking towards the future of cultural heritage in dynamic change brought about covid-19 towards sustainable development.

The Conference is an international event that gives significant opportunities to bring together prestigious institutions and industries to be one, holding hand in hand to find a solution to the issue with Academic scholars and the University's expertise.

The University aims to be the international heart of Art and Restoration to Material Science, Sustainable Architecture for Cultural Heritage, Digital Heritage, Environmental Engineering and Management, and Computer science, Artificial intelligence and Communication Technology as well as a forum for meeting and discussion with the experts, industry operators and enthusiasts around the world. The Conference will be a significant opportunity to exchange ideas between researchers and companies to promote productive excellence and technological evolution to the greater use of culture for younger sections of the population and specialization in graduates and Ph.D. students' educational field.

The objectives of this Conference are as follows, to foster Vietnam mobility and cooperation between students and staff, to enhance the nation's development as a multi-cultural society and to encourage the concept that scientific-cultural research must be an integral part of the community, to promote international networks between universities, training institutes, and companies and to create long-term collaboration opportunities; also it will create favorable conditions for young graduates to enter the world of work, then to demonstrate the influence of new technologies in the arts and how they can be used in for innovative teaching and learning, and lastly, to establish contacts and cooperation between institutions in the Academic world and the world of work.

## GENERAL CHAIRS MESSAGE



Assoc. Prof. Tran Thi My Dieu, Ph.D.  
Van Lang University President

It is my great honor to say these words to all the authors who have contributed their time, effort, and talent to this book. This is a result of the hard work from global teams that inspired me so much for a brighter future of the research community in general and Van Lang's specifically. Two years since 2019, we have seen incredible changes with the fastest speed more than ever in terms of technology and data science, all because of and thank for Covid-19 even though its pain is real evidence. Yet we learned and created better changes for our world.

As a branded education group that cooperates with leading enterprises and research associations, we need to work closely together to develop the next generation of young researchers for the region. I believe our joint endeavors will help resolve common issues we all face in meeting the new demand for quality studies and competent projects. I do hope this book will be a new inspiration for young researchers who strive for our all development sustainably.

## GENERAL CHAIRS MESSAGE



Nguyen Duc Tam, Ph. D.  
Rectorship of  
The Institute of Van Lang Heritage

### KEEPING "SOUL OF HERITAGE" ALIVE

We are now facing series of crises: wars suddenly broken out, ecological destruction, climate breakdown, rising inequality, exploitation, and the lasting impacts of devastating pandemic. Encountering those challenges, we need to find ways to strengthen our clarity, compassion and courage. As one of our keynote speaker said, what we need is not knowledge or technology, but wisdom. I think that environmental and cultural wisdom inherited from the heritages will help us build a sustainable foundation for new development.

As a founder of the Institute of Van Lang Heritage, we find it necessary to make "The soul of heritage" deeply penetrated into students' minds and keep it alive in present daily activities as the young generation will be the successors of what has not been completed by the predecessors. We need to cultivate engagement spirit among all members, teachers or students, to be aware of ecology, community building, and collective sustaining, via writings, talks, interviews, and quiz shows, etc...Our motto of being "DEEP, BROAD and DYNAMIC" in preserving, promulgating and activating the cultural heritage and its values continuously will be the direction for the coming years, as a guru said "Without such an ethic - without spiritual dimension to guide our daily lives - we will lose everything". I think Van Lang Hextech 2022 will show our points of view on this.

## GENERAL CHAIRS MESSAGE



Arc. Ngo Minh Hung, Ph.D.  
Director, Institute of Cultural Heritage  
and Development Studies,  
Van Lang University

### HERITAGE IS WHAT DEFINE US!

Being one of the General Chair of this event, I carries a big vision about developing the heritage with the touch of technology to our community. There is nothing more special than our heritages. This is what define the people's values and the community's identity that lives within. This is our heritage and this is what define us. Therefore, I would like to extend my gratitude to all the participants and to all the authors who contributed their knowledge and expertise in sharing it to our event. Your contribution is highly important for the younger generation to understand our culture and the development of Technology that goes along with it. I hope that the 2nd Van Lang International Conference on Heritage and Technology, 2022 will give a more impactful to the lives of the people not only here in Vietnam but to the world as well.

## LEAD KEYNOTE SPEAKER



Johannes Widodo, Ph.D.  
Director of:  
MA.Arc (Master of Arts in Architectural  
Conservation) program;  
Urban Heritage in Melaka (Malaysia) of the  
National University of Singapore.

He is an Associate Member of the Singapore Institute of Architects (SIA), the founder of mA&N (modern Asian Architecture Network), Executive Committee member of the Asia Academy for Heritage Management, jury member for UNESCO Asia Pacific Award for Cultural Heritage Conservation, member of ICOMOS International Scientific Committee, a founding member and director of ICOMOS National Committee of Singapore and Indonesia, a founding member of DoCoMoMo Macau and Singapore, the founder and executive director of INTA (International Network of Tropical Architects). He served as an advisory board member of the Preservation of Sites and Monuments of the National Heritage Board of Singapore (2010-2019) and a board member of SEACHA (South-East Asian Cultural Heritage Alliance) since 2019). His research interests are Architectural History, Theory, and Criticism; Urban Design and Urban Studies; Heritage Conservation and Management; Tropical Architecture; Training and Education in Architecture, Urbanism, and Cultural Heritage Management; and Cultural Sustainability. He received his first professional degree in Architecture (B.) from Parahyangan Catholic University (Bandung, Indonesia, 1984), Master of Architectural Engineering (M.Arch.Eng.) from Katholieke Universiteit Leuven (Leuven, Belgium, 1988), and PhD in Architecture from the University of Tokyo (Tokyo, Japan, 1991).

E-mail: [jwidodo@nus.edu.sg](mailto:jwidodo@nus.edu.sg)

URL: <https://johanneswidodo.academia.edu/>

## 1st KEYNOTE SPEAKER



Rudi Stoaffs, Ph.D.  
Dean's Chair Associate Professor at the  
Department of Architecture,  
College of Design and Engineering,  
National University of Singapore

He received his PhD in Architecture from Carnegie Mellon University, an MSc in Computational Design, also from CMU, and an MSc in Architectural Engineering from the Free University Brussels.

He has held previous appointments at Carnegie Mellon University, ETH Zurich, and TU Delft.

At NUS, he leads the Architectural and Urban Prototyping lab, is Research Thrust Leader for Parametric BIM in the NUS Centre of Excellence in BIM Integration, and a Principal Investigator in the Future Resilient Systems II and Future Cities Laboratory Global research programmes at the Singapore ETC Centre. He is also president of eCAADe, the association for Education and research in Computer Aided Architectural Design in Europe. His research expertise and interests include computational issues of description, modelling, and representation for design, in the areas of shape recognition and design generation, building information modeling and analysis, virtual cities and digital twins.

## 2nd KEYNOTE SPEAKER



Roseworthy, Ph.D.  
Social historian  
of Southeast Asia and a Visiting Fellow  
in the Southeast Asia Program  
at Cornell University

He has previously been an Honorary Research Fellow at the University of Wisconsin-Madison, an SMRC-Global Residential Fellow at Göttingen University in Germany and a Senior Fellow with the CADRC-Center for Khmer Studies in Cambodia. He has also held teaching positions at Milwaukee State University in Lake Charles, Louisiana, the University of Wisconsin-Oshkosh, and the University of Wisconsin-Madison, which is where he received his PhD in History in 2017.

## COLLABORATIVE KEYNOTE SPEAKERS



**Prof. Huan Nguyen, Ph.D.**  
**Professor:**  
**Digital Communication Engineering**  
**at Middlesex University London (U.K.);**  
**Director:**  
**The London Digital Twin Research Centre;**  
**Head of the 5G/6G & IoT Research Group.**

He leads research activities in digital twin modeling, 5G/6G systems, machine-type communication, digital transformation and machine learning within his university with focus on industry 4.0 and critical applications (drivers, intelligent transportation, health). He has been leading major council/industry funded projects, publishing 120+ peer-reviewed research papers, and serving as chairs for international conferences (ICT'21, ICEM2021, ICT'20, ICT'19, IWSPD'17, RMRC'20, FoNet-IoT'20, AIC'15).



**Noha Saleeb, Ph.D.**  
**Associate Professor:**  
**Creative Technologies, Digital Creativity**  
**and Construction at Middlesex University UK.**

She is Programme Leader for the MSc Building Information Modeling programmes at the university, working on international projects and grants in Architecture, Construction and IT that specialise in 3D integrated digital delivery and implementation of Industry-4.0 technologies in design/construction, e.g. Digital Twins, BIM and AI. Dr Saleeb is a practicing architect providing consultancy in design, construction and estate project management, is Business Development Group Lead of BIMatrix Organisation, and board member on several professional body steering committees. She is Editor in Chief of several journals and conferences, with over 60 peer-reviewed publications, and has achieved several national/international awards.

## COMMITTEES

THE GENERAL CHAIRS	
NAME(S)	APPOINTMENT
Assoc. Prof. Tran Thi My Dieu, Ph.D.	President, Van Lang University, Vietnam
Nguyen Bac Tam, Ph. D.	Rectorship of The Institute of Van Lang Heritage
Arch. Nga Minh Hung, Ph.D.	Director, Institute of Cultural Heritage and Development Studies, Van Lang University
TECHNICAL PROGRAM COMMITTEE CHAIRS	
Arch. Do Phu Hang, Ph.D.	Dean, Faculty Of Architecture, Van Lang University
Le Minh Thanh, Ph.D.	Dean, Faculty Of Tourism, Van Lang University
Assoc. Prof. Le Thi Kim Quê, Ph.D.	Dean, Faculty of Technology, Van Lang University
Le Hung Tien, Ph.D.	Dean, Faculty of Engineering, Van Lang University
MAIN ORGANIZER	
Jennifer Baylon Velazquez, MBA	Executive Official, International Cooperation and Scientific Research Department, Van Lang University, Vietnam
Ngo Thi Ngoc Thu, M.A.Sc.	Senior Staff, International Cooperation and Scientific Research Department, Van Lang University, Vietnam
CO-ORGANIZER	
Quang Van Son, MA	Researcher, Institute of Cultural Heritage and Development Studies (INCHES), Van Lang University, Vietnam
Nguyen Le Thao Nguyen, MA	Lecturer, Faculty of Architecture, Van Lang University, Vietnam
Bui Nguyen Ngoc Vyth, Ph.D.	Lecturer, Faculty of Tourism, Van Lang University, Vietnam
SUPPORT GROUP	
Nguyen Thai Hoa, Ph.D.   Ms. Tran Ho Dieu Trang   Ngo Ngan Ha, MA.   Nguyen Trong Hieu, MSc.   Nguyen Tran Son Lam, MEd.   Pham Tien Sinh, MEd.   Nguyen Phuc Anh Khiet, MSc.   Ms. Trương Thị út   Nguyen Minh Binh Phuong, MEd.   Vo Duc Duy, MA   Nguyen Ngoc Quy, MA   Nguyen Thi Ngoc Lien, MEd.   Hr. Nguyen Quang Huy   Nguyen Thi Thanh Thao, MEd.   Do Quang Huy, MEd.   Ph. Lau Vi Du   Nguyen Thi Truc Bao, MSc.   Bui Thi Thanh Ha	

## PROGRAM SCHEDULE

TIME	ACTIVITIES	SPEAKER
07:30 - 08:00	Onsite registration and Check-in	
08:00 - 08:30	Opening Performance	VLSJ Performers
08:30 - 08:45	Welcome Remarks	Assoc. Prof. Dr. Tran Thi My Dieu, President, Van Lang University
08:45 - 09:30	Opening Lead Keynote Speaker "Saying Our Plans and Objectives is in Words, not Knowledge or Technology"	Prof. Johannes Witzke, Director of REACT, Director of Artistic Architecture Conservation Program
09:30 - 10:00	Keynote Speaker 1 "Sustainability and Well-being During and Post Covid-19 Pandemic"	Dr. Bul Steffels, Deputy Chair Associate Professor at the Department of Architecture, College of Design and Engineering, National University of Singapore
09:30 - 10:45	Keynote Speaker 2 "A Socio-Historical Perspective on Heritage Management in Southeast Asia"	Dr. William Morley, Visiting Fellow Southeast Asia Program, Cornell University
10:45 - 11:00	Q&A Session	
11:00 - 11:15	Tea Break	
11:15 - 12:00	Having Refreshment	
12:00 - 12:30	Lunch Break	
12:30 - 12:45	Registration	
12:45 - 01:00	Lead Keynote Speaker "Digital Twin Technology"	Prof. Dr. Rajeev Mohan Bhat, Professor of Digital Communication and Engineering, Middlesex University, in the UK
01:00 - 02:00	Keynote Speaker 1 "Digital Twin Technology Heritage Preservation in a 5G Era"	Dr. Neha Sankh, Associate Professor in Creative Technologies, Digital Creativity and Construction at Middlesex University UK
02:00 - 02:30	Q&A Session	
02:30 - 02:45	Tea Break	
02:45 - 03:00	Refreshment	
03:00 - 03:45	Closing Remarks	Dr. Le Minh Thanh, Dean, Faculty of Tourism, Van Lang University, Vietnam

## PARALLEL SESSION 1

Secretary: Nguyen Thi Dieu, Ph.D. Room: Huang Tu A, B Building, Van Lang University		
Panel Chair	Prof. Dash by Khong Expert in Sustainable Energy, Environmental Engineering, Renewable Technology, Biofuel production, ICT and Materials Science	Deputy Director, HIRC University of Natural Resources and Environment, Vietnam
Expert 1	Le Hong Tam, Ph.D. Expert in BIM, sustainable design	Dean, Faculty of Engineering, Van Lang University, Vietnam
Expert 2	Wilson Makabay Narvizo, Ph.D. Expert in Renewable Energy, Energy Management, Power Quality, Smart Automating Energy, Power Monitoring & Control	Assistant Professor, Cebu Technological University Cebu, Philippines
Track: Material Science, Computer Science, AI, IT, Communication Technology, Environmental Engineering, and Management		
No. 045	1st presenter (online)	
Title	Building Java Regulations As Legal Protection Of Java Products Based On Intellectual Wisdom	
Presenter	Yulius Fero Hassan, * Le An Truongkhu, * Wahyu Suryono	
Affiliation	*Universitas IP Artha Widya Semarang, Jawa Tengah, Indonesia *Faculty of Law, Van Lang University Ho Chi Minh, Vietnam *Jalan Panyaman Lohr Baran Dhuwur, Semarang, Jawa Tengah, Indonesia	
Time	10:45-11:15	
No. 046	2nd presenter (online)	
Title	Feasibility of Single and Smart Design Self-Healing Robot for Parkinson's patients and the Elderly	
Presenter	Nguyen Truong Vinh, * Nguyen Thi Uyen My	
Affiliation	HHC University of Technology and Education, City Van Nhon, Tho Xue City, Vietnam Van Lang University, 80/88 Hung Vuong Hwy, Ho Chi Minh, HHC, Vietnam	
Time	11:25-11:55	
Q&A	10:35-10:45	
No. 047	3rd presenter (online)	
Title	Mechanical System Monitoring and Load Control using Wireless Sensor Networks	
Presenter	Wilson Makabay Narvizo, Romeo Laplan, Yvonne Mendi, *Thuy Thu Nguyen	
Affiliation	**Cebu Technological University - Main Campus, Philippines *Faculty of Mechanical, Electrical and Computer Engineering, School of Engineering and Technology, Van Lang University, Ho Chi Minh City, Vietnam	
Time	10:45-11:15	

<b>No. 088</b>	<b>4th presenter (online)</b>
<b>Title</b>	Efficient Photoacoustic Photo Flux Density (PFD) Allocation System for Outdoor Plants
<b>Presenter</b>	*Arista Andrew, *Saida-Carmel Hana, *Tiep-Hoang Doan, *Wen-Hsin Chen, *Chimmarla Lakshmi, *Thu-Tu Nguyen
<b>Affiliation</b>	**VNU-University of Science - Hanoi Campus, Vietnam *Faculty of Mechanical - Electrical and Computer Engineering, School of Engineering and Technology, Van Lang University, Ho Chi Minh City, Vietnam
<b>Time</b>	10:00-10:05
<b>ORA</b>	11:00-11:10
<b>No. 089</b>	<b>5th presenter (offline)</b>
<b>Title</b>	Integrated Lean Six Sigma (ILSS) Improve Quality and Productivity - A Case Study at a Precision Machining Company
<b>Presenter</b>	*Nguyen Minh Thu, *Thao Thanh Giang, *Trung Hoang Khac, *Tran Bao Ngoc Da, *Nguyen Thi Anh Vien, *Ly Duc Minh
<b>Affiliation</b>	**VNU-Van Lang University, Ho Chi Minh City, Vietnam
<b>Time</b>	11:15-11:25
<b>No. 090</b>	<b>6th presenter (offline)</b>
<b>Title</b>	Identification in Teaching or Learning of Innovation (Case study: Van Lang University)
<b>Presenter</b>	Ly Thi Huyen Dieu
<b>Affiliation</b>	Faculty of Information Technology, Van Lang University, HCMC, Vietnam
<b>Time</b>	11:30-11:35
<b>ORA</b>	11:35-11:40
<b>LUNCH BREAK</b>	
<b>No. 091</b>	<b>7th presenter (offline)</b>
<b>Title</b>	A Calibration Method for Robots Manipulator using a Combination of Teaching Learning Based Optimization and Kinematic Calibration with a Neural Network Compensation
<b>Presenter</b>	*Lu Phi Nguyen, *Yang Hyeon Jun, *Tang Ho Minh Quan
<b>Affiliation</b>	*Department of Information Technology Specialization, FPT University, Ho Chi Minh City, Vietnam, *Department of Electrical, Electronic and Computer Engineering, University of Ulsan, South Korea, **Faculty of Engineering, Van Lang University, Ho Chi Minh City, Vietnam
<b>Time</b>	14:30-14:40

<b>No. 092</b>	<b>8th presenter (offline)</b>
<b>Title</b>	Robotic manipulator calibration method using the model-based approach and an RBF compensator
<b>Presenter</b>	*Lu Phi Nguyen, *Yang Hyeon Jun, *Tang Ho Minh Quan
<b>Affiliation</b>	*Department of Information Technology Specialization, FPT University, Ho Chi Minh City, Vietnam, *Department of Electrical, Electronic and Computer Engineering, University of Ulsan, South Korea, **Faculty of Engineering, Van Lang University, Ho Chi Minh City, Vietnam
<b>Time</b>	14:40-14:50
<b>ORA</b>	14:50-15:00
<b>No. 093</b>	<b>9th presenter (offline)</b>
<b>Title</b>	Innovated Biometric Fingerprint Door Security System Technology Adaptive
<b>Presenter</b>	*Lam Tuha, *Wen-Hsin Chen, and *Thu Tu Nguyen
<b>Affiliation</b>	**VNU-University of Science - Hanoi Campus, Vietnam *Faculty of Mechanical - Electrical and Computer Engineering, School of Engineering and Technology, Van Lang University, Ho Chi Minh City, Vietnam
<b>Time</b>	15:00-15:10
<b>No. 094</b>	<b>10th presenter (offline)</b>
<b>Title</b>	Bayesian Classifier for Two Populations and Application in Identifying Lung Pathology Images for Tuberculosis Infected Covid-19
<b>Presenter</b>	*Vo Van Tai, *Tran Van Hung, *Thuan Van Hoa, *Thuan Van Binh
<b>Affiliation</b>	College of Natural Sciences, Can Tho University, Vietnam *National University of Ho Chi Minh City, Ho Chi Minh City, Vietnam *Faculty of Mechanical - Electrical and Computer Engineering, School of Engineering and Technology, Van Lang University, Ho Chi Minh City, Vietnam
<b>Time</b>	15:10-15:20
<b>ORA</b>	15:20-15:30
<b>No. 095</b>	<b>11th presenter (offline)</b>
<b>Title</b>	A Simultaneous Kinematic and Compliance Calibration Method with Conventional Kinematic Method and two Algorithms for Serial Robots Manipulation
<b>Presenter</b>	*Lu Phi Nguyen, *Yang Hyeon Jun, *Tang Ho Minh Quan
<b>Affiliation</b>	*Department of Information Technology Specialization, FPT University, Ho Chi Minh City, Vietnam, *Department of Electrical, Electronic and Computer Engineering, University of Ulsan, South Korea, **Faculty of Engineering, Van Lang University, Ho Chi Minh City, Vietnam
<b>Time</b>	15:30-15:40
<b>No. 096</b>	<b>12th presenter (offline)</b>
<b>Title</b>	The Optimization of Rheology Assisted Heat Pump Drying of Corn
<b>Presenter</b>	*Nguyen My, *Tran Thanh Lam, *Nguyen Quang Long, *Tran Van Han



Affiliation	Vietnam University, Ho Chi Minh City, Vietnam Faculty of Automobile Technology, Van Lang University, Ho Chi Minh City, Vietnam
Time	15:00-15:30
Q&A	15:30-16:00
No. 370	16th presenter (offline)
Title	Evaluating and Improving the Adoption Ability of Blockchain (Based on Different Blockchain Types)
Presenter	Truong Thanh Phat, Nguyen Thi Ha Thuy, Nguyen Van Chi
Affiliation	Faculty of Technology, Van Lang University, Ho Chi Minh City, Vietnam Institute for Development Strategies, The Dao Nhat University, Binh Duong, Vietnam
Time	16:00-16:30
No. 371	16th presenter (offline)
Title	Enhancing Career Services in Strengthening Learner Autonomy in a Data-Driven Career-related System in Higher Education
Presenter	Nguyen Dai Quynh, Nguyen Duy Pham, Tran Tran Thi
Affiliation	Institute of Information Technology, Van Lang University, HCMC, Vietnam Faculty of Basic Training, Hanoi Law University, Hanoi, Vietnam
Time	16:30-16:50
Q&A	16:50-16:55
No. 372	15th presenter (offline)
Title	The fuzzy clustering model for probability density function using the multi-objective genetic algorithm
Presenter	Vu Van Tai, Phan Tuan Dinh
Affiliation	College of Natural Science, Can Tho University, Vietnam Faculty of Mathematics - (Doctoral and Candidate for Engineering, School of Engineering and Technology, Van Lang University, Ho Chi Minh City, Vietnam
Time	16:55-17:05
No. 373	16th presenter (offline)
Title	The Efficiency of Turbidity Dyeing Methods
Presenter	Phan Van Khai, Quan Thanh Son, Nguyen Quang Sang
Affiliation	Faculty of Automobile Engineering, School of Engineering and Technology, Van Lang University, Ho Chi Minh City, Vietnam
Time	17:00-17:30
Q&A	17:30-17:50

## PARALLEL SESSION 2

Secretary: Nguyen Minh Binh (Phuong, H12)		
Room: Ho Thi, A Building, Van Lang University Campus 1		
Panel Chair	Lu Minh Pham, Ph.D. Expert in Management, Academic, customer relationship, hospitality, technology	Dean, Faculty of Tourism, Van Lang University, Vietnam
Expert 1	Nguyen Thi Phuong, Ph. D. Expert in Her-itage tourism, destination management, sustainable tourism, heritage conservation	Faculty of Tourism, Van Lang University, Vietnam
Expert 2	Nguyen Van Hoang, Ph. D. Expert in Tourism geography	Faculty of Tourism, Van Lang University, Vietnam
Topic: Travel And Tourism		
No. 374	16th presenter (offline)	
Title	Consumer Behavior and Perception Towards Organic Food in Ho Chi Minh City, Vietnam	
Presenter	Phan Tran Phuong Trang	
Affiliation	VST University, Ho Chi Minh City, Vietnam VST Government Center in Danang	
Time	10:30-11:30	
No. 375	16th presenter (offline)	
Title	Vietnamese Traditional Music (Hát Chèo) Components and Potential for Community Tourism Development	
Presenter	Phan Thanh Lam, Luong Hoa Linh, Quang Van Son, Nguyen Thi Minh	
Affiliation	VNU University of Social Sciences and Humanities, Hanoi, Vietnam Faculty of Information Technology, Ho Chi Minh University, Quang Binh, Vietnam Institute of Cultural Heritage and Development Studies, Van Lang University, Ho Chi Minh City, Vietnam Faculty of Culture, Ho Chi Minh University, Quang Binh, Vietnam	
Time	11:35-11:55	
Q&A	11:55-12:05	
No. 376	16th presenter (offline)	
Title	The Perceptions Of Tourist Attraction After The Reconstruction In Hoi An Ancient Town	
Presenter	Trinh Thi Thanh Dung, Mai Trung Nguyen, Van Engngatana and Muhammad Anshar Almuhammad	
Affiliation	Faculty of Language and Culture, University of 11 Agustus (P4U-UMFAU) - Semarang, Indonesia Institute of Cultural Heritage and Development Studies, Van Lang University, Ho Chi Minh City, Vietnam	
Time	12:45-13:00	
No. 377	16th presenter (offline)	
Title	From Book Race to Quan Lan Family Festival in Tourism Product "Dragon Boat Experience on the River of History"	

Presenter	*Phan Thi Hoa, *Nguyen Thi Thuy, *Thao Thi Thuy, *Quang Van Son, *
Affiliation	*VNU - President Ho Long University, Quang Binh, Vietnam *Faculty of Culture, Ho Long University, Quang Ninh, Vietnam *Faculty of Information Technology, Ho Long University, Quang Ninh, Vietnam *Institute of Cultural Heritage and Development Studies, VNU-LV University, Ho Chi Minh City, Vietnam
Time	10:00-11:00
ORA	11:00-11:30
No. 056	06 presenter (online)
Title	Legal Protection in Historic Building Tourism And Recreational Functions in The City of Semarang Based On Benefits
Presenter	06 Harjanto
Affiliation	Universitas IT Sepuluh Nopember (ITS) Semarang, Indonesia
Time	0:00-0:25
No. 057	08 presenter (online)
Title	Exploring some Spiritual Cultural Values of the Old people in Suway West province of Community Tourism Development
Presenter	Thinh Nguyen, *Anh Young Hien, * Son Quang Van, * Hoa Phan Th
Affiliation	*Faculty of Culture, Ho Long University, Quang Ninh, Vietnam *Faculty of Information Technology, Ho Long University, Quang Ninh, Vietnam *VNU President, Ho Long University, Quang Ninh, Vietnam *Institute of Cultural Heritage and Development Studies, VNU-LV University, Ho Chi Minh City, Vietnam
Time	0:25-0:30
ORA	0:30-0:45
<b>LUNCH BREAK</b>	
No. 058	7th presenter (online)
Title	Development of Marketing Performance Model: Design Creativity and Digital Marketing
Presenter	*Subarna Sahetaji, Jennifer Bayan Virensa, *Nurhayati Samara
Affiliation	*Faculty of Economics and Business Administration of Sepuluh Nopember University, Surabaya, Indonesia *Institute of Information Systems and Business Administration, Central Java Indonesia SRI
Time	11:30-11:45
No. 059	09 presenter (online)
Title	Using culture and Cultural space at tourist sites - The factors attracting foreign tourists (Case of Mekong City)
Presenter	*Vo Van Thien, *Le Minh Thanh, *Nguyen Quoc Hang, *Quang Van Son, *Nguyen Thi Hoa
Affiliation	*Faculty of Tourism, VNU-LV University, Ho Chi Minh City, Vietnam *Faculty of Cultural Studies, University of Social Sciences and Humanities, Vietnam National University Ho Chi Minh City *Institute of Cultural Heritage and Development Studies, VNU-LV University, Ho Chi Minh City, Vietnam
Time	11:45-12:00
ORA	12:00-12:30

No. 060	0th presenter (online)
Title	Experimental MR Virtual Reality Tour: A Study Case of Ho Chi Minh's Oldtown
Presenter	*Nguyen Le Thao Nguyen, *Mai Le Ngai Ho
Affiliation	*Faculty of Architecture, VNU-LV University, Ho Chi Minh City, Vietnam
Time	13:00-13:30
No. 061	0th presenter (online)
Title	Building a Legal Protection System of Batik Motif As a Product of Indonesian Wisdom
Presenter	*Nurcahyo Supriatomo, *Linda Trugrenu, *Theresia Faria Hariani
Affiliation	*Universitas IT Sepuluh Nopember, Jawa Tengah, Indonesia *Faculty of Law, VNU-LV University, Ho Chi Minh City, Vietnam *State Forestry Culture Service Director, Semarang, Jawa Tengah, Indonesia
Time	13:30-13:50
ORA	13:50-14:30

## PARALLEL SESSION 3

Moderator: Ngo Ngoc Ha, PhD		
Topic: Hoang Ca T, A Building, VNU-LV University, Campus 1		
Panel Chair	Dr. Mark S. Brown Expert in International Data Analyst and Research Scientist	Professorial Development in Data Science at Harvard University
Expert 1	Assoc. Prof. Le Thuan Quach, Ph.D. Expert in Urban Sustainability, Climate Change and Environment	Dean, Faculty of Technology, VNU-LV University, Vietnam
Expert 2	Arch. Hong Phan, Ph.D. Expert in Architectural Designing	CEO, Ansohn & Citrus Co., Ltd
<b>Track: Sustainable Architecture</b>		
No. 062	0th presenter (online)	
Title	Guidelines, Requirements, and Orientations for Spatial Organization of Landscapes and Parks in Agricultural Territories in Ho Chi Minh City	
Presenter	*Trinh Huu Hoang, *Nayana Anisa Geoparwati	
Affiliation	*Faculty of Architecture, VNU-LV University, Ho Chi Minh City, Vietnam *Doctoral Head in Architecture, Professor, The Dept of Urban Design, Saint Petersburg State University of Architecture and Civil Engineering, Saint Petersburg, Russia	
Time	14:00-14:30	

<b>No. 018</b>	<b>3rd presenter</b>
<b>Title</b>	Commercial Features in Modern Architecture of Red An-Anh-Quang Houses
<b>Presenter</b>	Nguyen Thi Binh Van, Supervisor: Thanh Huu
<b>Affiliation</b>	Faculty of University Architecture of Ho Chi Minh City, Ho Chi Minh City, Vietnam *Dept of Faculty of Fine-Applied Art and Cultural Science, Mahachulalongkrajavidyalaya University, Thailand
<b>Time</b>	10:25-10:35
<b>QA</b>	10:35-10:45
<b>No. 019</b>	<b>3rd presenter (online)</b>
<b>Title</b>	The Heterogeneity of Heritage Place: Evolution of Public Open Space Square at the "Center" Urban City
<b>Presenter</b>	Muhammad Lubman Haini Nurhasan, Siti Nurhasan, Nurul Muhandar
<b>Affiliation</b>	**Department of Architecture, University of T. Agriyasa (UNTAJ) Semarang, Indonesia *Siswa (Student) Semarang, Indonesia
<b>Time</b>	10:45-10:55
<b>No. 024</b>	<b>4th presenter (online)</b>
<b>Title</b>	Optimization of Indonesia's New Certificate on Architecture Heritage Course by Analyzing its Key Performance Indicators no. 6 and 7
<b>Presenter</b>	Eko Nurandy, *Mulyananda Firda Dyaq Huda, Egiro Darmawan
<b>Affiliation</b>	**University of T. Agriyasa (UNTAJ) Semarang
<b>Time</b>	10:55-11:05
<b>QA</b>	11:05-11:15
<b>No. 025</b>	<b>5th presenter (online)</b>
<b>Title</b>	"Wangui" Urban Planning Construction Projects: A Comparative Case of the Ziguinchor Boulogne-Billancourt, France and Muoi Tan Bridge Sengkang Van Giang Project in Vietnam
<b>Presenter</b>	**Nguyen Pham Van Anh, Nguyen Trung Hoa, *Vanthe Buihoi Vuocan
<b>Affiliation</b>	*Laboratoire DYCOG (urbanisme) UMR 5185 Paris Val-de-Seine **Faculty of Cultural Heritage and Environment Studies, VnU Lang University, Ho Chi Minh City, Vietnam
<b>Time</b>	11:15-11:25
<b>No. 071</b>	<b>2th presenter (online)</b>
<b>Title</b>	Compare the creative ability between the freehand drawing and CAD (Computer Aided Design) in Architecture-Interior design education: a review of various issues in university programs. A case study in Viet Lang University: Faculty of Art and Design
<b>Presenter</b>	**Huong Thi My Vu and **Phan Thi Hong Giang, *Nguyen Van Minh, **Huong Nguyen Mai Dai, **Yuan Ding, *Phu Chau Nguyen Thi
<b>Affiliation</b>	*Faculty of Art and Design, Viet Lang University, Ho Chi Minh City, Vietnam **Faculty of Architecture, Colson University, Louvain, Portugal ***KARIPICM (Universidade NOVA de Lisboa) ****Faculty of Civil Engineering, Saigon Technology University, Ho Chi Minh City, Vietnam
<b>Time</b>	11:25-11:35
<b>QA</b>	11:35-11:45

UNCH 08024	
<b>No. 017</b>	<b>1th presenter (offline)</b>
<b>Title</b>	Manifestations of preserved national identity in international style architecture in Belgium (1918-1970) – Case study: Independence Palace and General Science Library
<b>Presenter</b>	Van Long Vinh
<b>Affiliation</b>	Viet Lang University, Ho Chi Minh City, Vietnam
<b>Time</b>	14:30-14:40
<b>No. 041</b>	<b>6th presenter (offline)</b>
<b>Title</b>	Promoting The Integration Of Disaster Risk Reduction Model For Flooding Into Muoi Tan District Planning
<b>Presenter</b>	Le Anh Dai, Do Phu Hung, *Do Nguyen Anh Thi
<b>Affiliation</b>	*Faculty of Architecture, Van Lang University, 05/88 Song Thuy Tuem Street, Binh Thuan District, Ho Chi Minh City, Vietnam **BSC (Ward) City, 17M Nguyen Van Thai Street, Phu Myeu District, Ho Chi Minh City, Vietnam
<b>Time</b>	14:30-14:50
<b>QA</b>	14:50-15:00
<b>No. 037</b>	<b>6th presenter (offline)</b>
<b>Title</b>	Green Architecture - Solution For Sustainable Urban Developments in Viet Nam
<b>Presenter</b>	Nguyen Quang Dai, *Tran Thanh Kien, *Nguyen Huu Linh, *Tran Huu Sang
<b>Affiliation</b>	*Graduate Academy of Social Sciences (GASS), Viet Nam, The Day Hai University, Binh Duong, Viet Nam **The (Ho Chi Minh) University, Binh Duong, Vietnam
<b>Time</b>	15:00-15:10
<b>No. 072</b>	<b>10th presenter (offline)</b>
<b>Title</b>	How the people walk through Architecture and Decoration (Researcher)
<b>Presenter</b>	Le Phi Phuong, *Thanh My Phuong
<b>Affiliation</b>	**Viet Lang University, Ho Chi Minh City, Vietnam
<b>Time</b>	15:10-15:20
<b>QA</b>	15:20-15:30

## PARALLEL SESSION 4

Secretary: Giang Thi Lan, MA		
Room: Training to 2.A Building, VNU-LU University, Campus 1		
Panel Chair	Assoc. Prof. Le Anh Thu, Ph.D. Expert in Cultural and Digital Heritage	Lecturer, Faculty of Architecture, VNU-LU University, Vietnam
Expert 1	Dr. Huong Hong, Ph.D. Expert in Heritage	Dean, Faculty of Architecture, VNU-LU University, Vietnam
Expert 2	Dr. Maria Soeman Expert in Cultural and Digital Heritage Studies	Professor, San Jose State University, Cebu, Philippines
Track: Cultural And Digital Heritage		
No. 044	01 presenter (online)	
Title	Water puppetry- The National Intangible Cultural Heritage and landmark in the village traditional house in the Northern region of Vietnam	
Presenter	VVO-VU	
Affiliation	Hanoi National University of Education	
Time	10:10-10:25	
No. 045	02 presenter (online)	
Title	Analysis of Perceived Performance of Small And Medium Industrial Companies Heritage Women Tailors In Pamekasan Regency, Central Java Indonesia	
Presenter	* Nurhidayah Sutarnas, * Jennifer Bayler Yonanes, * Rubiana Sutarnas	
Affiliation	*SIS Unlag Semarang, *VNU-LU University	
Time	10:25-10:35	
QA	10:35-10:40	
No. 046	01 presenter (online)	
Title	The Existence Of Traditional Ethical Health Care As A Local Wisdom Of Indonesian Javanese Culture And The Protection Efforts	
Presenter	* Anggraini Endah Kusumaningsih, * Sa Mutiara, * Vu Long	
Affiliation	* Universitas Di Agartika (S4S-UNTA) Semarang, * Faculty of Nursing and Medical Technology, VNU-LU University	
Time	10:40-10:50	
No. 047	01 presenter (online)	
Title	Economic Revolution of Disputes over Copyright Book: What Shows Hope as a Cultural Heritage	
Presenter	* Anggraini Endah Kusumaningsih, * Sa Mutiara, * Le Ho Trung Hien	
Affiliation	* Universitas Di Agartika (S4S-UNTA) Semarang, * Asia Foundation Lufur Bender (Pusat), Semarang, Central Java, Indonesia, *VNU-LU	

Time	10:50-11:00
QA	11:00-11:10
No. 048	01 presenter (online)
Title	Exploring Travel Behavioral Patterns of Outbound Tourist over the Outbreak of COVID-19
Presenter	Le Ho Ho Thanh, *Huong Ngan Mai, *Tu Thanh Giang
Affiliation	*Faculty of Tourism, VNU-LU University, Ho Chi Minh City, Vietnam
Time	11:10-11:20
No. 049	01 presenter (online)
Title	Protection of Moral Rights (Heritage community rights) as a legacy of land rights of Indonesian indigenous people within the framework of national agraria law system
Presenter	* Widayawati Widiarta, * Mardiah
Affiliation	*University of August 1945 Semarang, Indonesia
Time	11:20-11:30
QA	11:30-11:40
No. 050	01 presenter (online)
Title	Government Policy Regulation in Preserving Borobudur Temple As A World Cultural Heritage By Local Community
Presenter	* Widayawati Widiarta, * Mardiah, * Le Ho Trung Hien
Affiliation	University of Di Agartika (S4S-UNTA) Semarang, Indonesia, *Asia Foundation Lufur Bender (Pusat), Semarang, Central Java, Indonesia, *VNU-LU University
Time	11:40-11:50
No. 051	01 presenter (online)
Title	Freedom for Better Future: H&M Curriculum and The Development of Authenticity-Based Pedagogy
Presenter	* Arma Nurani Kusumaningsih, * Eko Nuranti, * Ivo Englantina
Affiliation	*University of Di Agartika (S4S-UNTA) Semarang
Time	11:50-12:00
QA	12:00-12:10
LUNCH BREAK	
No. 052	01 presenter (online)
Title	Javanese Traditional Rituals during Pregnancy: Do and Don't
Presenter	* Ivo Englantina, * Jennifer Soesil Yonanes, * Nurita Al Firda Diah
Affiliation	*University of Di Agartika (S4S-UNTA) Semarang, *VNU-LU University
Time	12:30-12:40

No. 302	10th presenter (offline)
Title	The Application of Vietnamese Traditional Folk Art in Packaging Design
Presenter	Nguyen Nguyen Thi Thu
Affiliation	Thang Architecture University
Time	14:40-14:55
QA	14:55-15:00
No. 303	10th presenter (offline)
Title	National identity in Vietnamese art during the first half of the 20th century
Presenter	Ng Thanh Cao
Affiliation	Van Lang University
Time	15:00-15:10
No. 304	12th presenter (offline)
Title	Woodblock heritage of Ba Co Pagoda in Ban Giang province: Values and Development
Presenter	Young Nguyen Thi Quynh, Thi Ngoclan-Huu, Tran Le Thi Thanh, Lam Ngoclan-Dinh, Tran Quang Van
Affiliation	Institute for Religious Studies, Vietnam Academy of Social Sciences, Vietnam Phylax University of Social Sciences and Humanities, Hanoi, Vietnam Institute of Cultural Heritage and Development Studies, Van Lang University, Ho Chi Minh City, Vietnam
Time	15:00-15:10
QA	15:10-15:20
No. 305	13th presenter (offline)
Title	The values of heritage in students' perceptions: A case study of first-year students at Van Lang University
Presenter	Hoang Le Thu, Lam Huynh Do
Affiliation	Van Lang University
Time	15:20-15:30
No. 306	14th presenter (offline)
Title	Examining the willingness to host an event in the aftermath of the COVID-19: the case from Da Lat Flower Festival
Presenter	Hien Hoang Ngoc, Tran Le Minh, Thanh Nguyen Thi Thanh
Affiliation	Van Lang University
Time	15:30-15:40
No. 307	15th presenter (offline)
Title	Speakers with the Hearing of Bats in the Mountain' Grass Habitat in the Central Highlands, Vietnam
Presenter	Ng T. T. Khanh
Affiliation	Van Lang University
Time	15:40-15:50
QA	15:50-16:00



## VISION

ONE OF THE MOST ADMIRED YOUNG UNIVERSITIES  
IN ASIA BY 2030

Our aspiration is to be one of the most admired young universities in Asia by 2030. VLU constantly strives for the best and goes beyond the limits of a conventional university, recognised for breakthrough achievements in higher education, innovation and contributions to Vietnam and the global community.

## MISSION

EDUCATING PEOPLE THAT BRING INSPIRATIONAL IMPACT TO SOCIETY  
We educate talents to be the best they can be, to become lifelong learners living up to their full potential. We nurture them to embrace their role as future leaders in their area of fulfillment. By creating an innovative ecosystem for learners, academics and businesses, we empower them to connect, learn and develop breakthrough solutions for a better future.  
Through this, we serve the country and bring inspirational impact to society at large.

## STRATEGIC TARGET

STRATEGIC TARGET 2020 - 2025, VISION BY 2030  
[...] Develop the Van Lang digital ecosystem as a convergent hub, connecting individuals, organizations and communities for sharing and contributing to the mission of human resource training and social services. Develop the Van Lang Education Fund as a leading institution for social services in Van Lang community and in Vietnam at large [...]