

## 2ND NUS-SUTD PHD SYMPOSIUM IN ARCHITECTURE PROGRAM

Time*	Venue	Presentation Title	Presenter	Venue	Presentation Title	Presenter	Venue	Presentation Title	Presenter
09.30 - 09.55	DESIGN COMPUTING AND TECHNOLOGY Seminar Room 03, SDE1 Floor 4	UNDERSTANDING 3D CITY MODELS AND DIGITAL TWINS	Binyu LEI	QUANTITATIVE RESEARCH ON BUILT ENVIRONMENT Seminar Room 04, SDE1 Floor 4	COMPUTATION ARCHITECTURAL DESIGN SEARCH: IMITATING HUMAN DESIGN DECISION-MAKING TO MAXIMISE SOLUTION QUALITY AND DIVERSITY	Ban Liang LING	HISTORY AND THEORY Seminar Room 05, SDE1 Floor 4	THE TEMPLE OF LONGEVITY: AN EXAMPLE OF CROSS-REGIONAL GARDEN CULTURE IN CENTRAL GUANGDONG	Lishen FENG
10.00 - 10.25		AN NLP APPROACH TO SENSORY EXPERIENCE: PREDICTING AND ANALYZING SENSORY AGENTS AND SENSORY EXPERIENCE USING USER-GENERATED CONTENTS	Jie ZHANG		MULTIVARIATE NETWORK SCIENCE-BASED COMPARATIVE ANALYSIS OF SUSTAINABLE INTEGRATED DISTRICTS	Anjanaa Devi SRIKANTH		SOCIETY ENGAGED CONSERVATION: KEEPING CHINESE VOLUNTARY ASSOCIATIONS ALIVE IN SINGAPORE	Ee Bee GAN
10.30 - 10.55		AUTOMATION IN REFERENCE IMAGE RECOMMENDATION AND GENERATION IN INTERIOR DESIGN	Xin WANG		MEASURING THE DIVERSITY OF URBAN FORM	Zhuoshu HE		ASSEMBLING THE INTERTIDAL: LANDSCAPE, LIMINALITY, IMAGINATION	Zihao WONG
11.00 - 11.25		FREE AND OPEN SOURCE URBANISM: SOFTWARE FOR URBAN PLANNING	Winston YAP		ASSESSMENT OF VISUAL LANDSCAPE QUALITY FOR MENTAL HEALTH PROMOTION	Xudong ZHANG		URBAN FABRIC, OWNERSHIP AND URBAN LIFE: MECHANISMS OF TENSIONS AND NEW AVENUES FOR QUERY IN RETAIL AREAS	Mengzhi LING
11.30 - 11.55		URBAN DESIGN OPTIMISATION: APPLICATION OF DESIGN SPACE EXPLORATION AND OPTIMIZATION TO NAVIGATE COMPLEXITY IN URBAN DESIGN PROCESS	Jing Zhi TAY		UNDERSTANDING USERS' PERSPECTIVE ON URBAN PUBLIC SPACE: TOWARDS MACHINE LEARNING APPROACHES	Yihan ZHU		THE EVOLUTION AND FUTURE OF SINGAPORE'S NEW TOWN STRUCTURAL MODEL	Huiyang QI
LUNCH BREAK									
13.30 - 13.55	DESIGN COMPUTING AND ENGINEERING Seminar Room 03, SDE1 Floor 4	THE DEVELOPMENT OF URBAN SPATIOTEMPORAL MODEL: INTEGRATING LCA-MFA FRAMEWORK TO DESCRIBE BUILDING MATERIAL STOCKS IN SINGAPORE	Wanyu PEI	ARCHITECTURAL AND URBAN ENGINEERING Seminar Room 04, SDE1 Floor 4	MULTI-SCALE CLIMATE-SENSITIVE PLANNING FRAMEWORK TO MITIGATE URBAN HEAT ISLAND EFFECT: A CASE STUDY IN SINGAPORE	Liqing ZHANG	MIXED-METHOD RESEARCH ON NEIGHBORHOOD AND URBAN SPACE Seminar Room 05, SDE1 Floor 4	RECONCILING THE LIVEABILITY-DENSITY NEXUS: RE-DEFINING LIVEABILITY AND THE RENEGOTIATION OF SPACES THROUGH THE COMMUNITY'S LIVED EXPERIENCE IN HIGH-DENSITY RESIDENTIAL ENVIRONMENTS IN HDB TOWNS	Elaine TAN
14.00 - 14.25		PROCESS-DRIVEN DESIGN IN USER-GENERATED VR ENVIRONMENTS	Daryl HO		A COMPREHENSIVE SOUND CATEGORISATION SCHEME OF COMMONLY-OCCURRING SOUNDS IN THE URBAN CITY (SINGAPORE)	Johann Kay Ann TAN		CAPTURING DYNAMIC OCCURRENCE OF PLACE ATTACHMENT AT DISPLACEMENT	Ellenbogen Nirit Rivka
14.30 - 14.55		THE ALGEBRA OF GRAPH-BASED REPRESENTATION FOR ARCHITECTURAL MASSING EXPLORATIONS	Yang LI		CHARACTERISATION AND INNOVATION OF FAÇADE ENABLING NOISE CONTROL AND VENTILATION FOR TRAFFIC NOISESOURCE	Nogista ANTANURI		ART PLACES AND THEIR SOCIAL-ECONOMIC IMPACT IN SINGAPORE AND HONG KONG	Gabrielle Xinyu ZENG
15.00 - 15.25		DIGITAL TWIN-BASED RESILIENCE EVALUATION OF DISTRICT-SCALE ARCHETYPES	Pradeep Attavar ALVA		DESIGN PRINCIPLES OF PREFAB UNITIZED BIPV WALLS FOR TROPICS	Tianyi CHEN		RESEARCH ON THE SPATIAL CHANGES AND PLANNING STRATEGIES OF FUTURE CITIES DRIVEN BY TECHNOLOGICAL DEVELOPMENT	Yuanwei ZHU
15.30 - 15.55		AGRITECTURE: DATA-DRIVEN AGRICULTURE IN HIGH-DENSITY URBAN SYSTEMS	Lombardia Alonso ALBA		ALTERNATIVE SUSTAINABLE BUILDING MATERIALS AND DESIGN PROCESSES WITH ENHANCED LOAD-BEARING CAPACITY	Doreen Steven MLOTE		DIGITAL INTERVENTIONS ON URBAN PUBLIC SPACE AND ITS EFFECTS ON OUTDOOR ACTIVITIES	Yanhan LIU

PARALLEL SESSION 1 & 4  
Zoom link: <https://nus-sg.zoom.us/j/88279635382?pwd=Jvp06P5UDeAMeRSe4o0-gFos1PqHX8.1>  
Meeting ID: 882 7963 5382  
Passcode: 388441

PARALLEL SESSION 2 & 5  
Zoom link: <https://nus-sg.zoom.us/j/89664268523?pwd=4gJlOC4TVH8mFtmhWpZf76oq5oTF.1>  
Meeting ID: 896 6426 8523  
Passcode: 384571

PARALLEL SESSION 3 & 6  
Zoom link: <https://nus-sg.zoom.us/j/88177922233?pwd=woLbjmBr-giOg1sK63Uzt6NANOHQ9.1>  
Meeting ID: 881 7792 2233  
Passcode: 538346