

SBS5498 Final Year Project 2 (Applied Research Project)

<http://ibse.hk/SBS5498/>

Oral Presentation: Time Schedule

(Update: 2 May 2019)

10 May 2019 (Fri) 09:30-17:45 Room 614 & 615 and Room 603 & 604, 6/F THEi Building

9 May 2019 (Thu) 16:30-17:00 Room 614 (special arrangement for two students supervised by the EEM staff)

Morning session 1: 09:30-11:00

AM break: 11:00-11:15

Morning session 2: 11:15-12:45

Lunch break: 12:45-14:00

Afternoon session: 14:00-15:45

PM break: 15:45-16:00

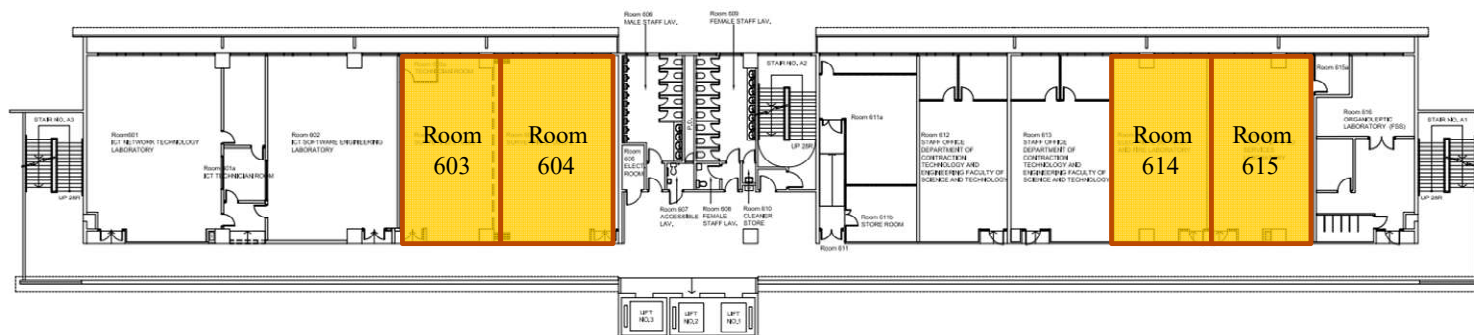
Afternoon session: 16:00-17:45

Panel A: Room 614

Panel B: Room 615

Panel C: Room 603

Panel D: Room 604



Academic staff:

SH	Ir Dr Sam C M Hui	PY	Dr PAN Yan, Penny
DW	Sr Ir Dr Dennis W K Wu	YHX	Dr YAN Huaxia, Hannah
WYH	Dr WANG Yuanhao	CY	Dr CHEN Yi, Cindy
LYM	Dr LUO Yimo, Constance	RN	Ir Dr NG Tsz Ho Roger
WSF	Dr WANG Shi Feng, Stephen	HL	Dr LU Xiao Ying Helen (EEM)
ET	Dr Ernest TSANG Kin Wai	HM	Miss MAK Ming Wai, Hilda (EEM)

Remarks:

- Students should arrive the venue at least 15 minutes before the presentation. All the oral presentations should be punctual (each student 10 minutes presentation + 5 minutes Q&A). The presentation should provide a concise summary of the major findings and results of the applied research project.
- Students should submit their presentation PPT files to Moodle before 10 May 2019 (Fri) and check to ensure that the presentation materials can be run smoothly. A computer will be set up at the venue for use by the presenter(s). Students may also bring their own laptop computers and use them for the oral presentation.

Overview of the four panels and time schedule:

10 May 2019 (Fri) 09:30-17:45 Room 614 & 615 and Room 603 & 604, 6/F THEi Building

Panel A: Room 614				Panel B: Room 615				Panel C: Room 603				Panel D: Room 604					
Time	Student	Supervisor	Moderator	Student	Supervisor	Moderator	Student	Supervisor	Moderator	Student	Supervisor	Moderator	Student	Supervisor	Moderator	Time	
09:30-09:45	A11	何昭憲	WYH	WSF	B11	鄺曉輝	RN	ET	C11	陳俊聲	YHX	DW	D11	陳煒文	CY	PY	09:30-09:45
09:45-10:00	A12	郭梓賢	WYH	WSF	B12	羅珮賢	RN	ET	C12	周文祥	YHX	DW	D12	張圳堯	CY	PY	09:45-10:00
10:00-10:15	A13	鄺景文	WYH	WSF	B13	呂嘉豪	RN	ET	C13	馮偉昌	YHX	DW	D13	郭文浩	CY	PY	10:00-10:15
10:15-10:30	A14	林嘉瀚	WYH	WSF	B14	文諾偉	RN	ET	C14	郭家寧	YHX	DW	D14	譚偉鎬	CY	PY	10:15-10:30
10:30-10:45	A15	林華星	WYH	WSF	B15	蘇嘉謙	RN	ET	C15	林亮懷	YHX	DW	D15	楊竣皓	CY	PY	10:30-10:45
10:45-11:00	A16	梁嘉昊	WYH	WSF	B16	曾樂彤	RN	ET	C16	林宏峻	YHX	DW	D16	張俊偉	CY	LYM	10:45-11:00
11:15-11:30	A21	戴煜文	WYH	WSF	B21	黃偉樂	RN	ET	C21	梁銘基	YHX	DW	D21	賴梓鋒	SH	LYM	11:15-11:30
11:30-11:45	A22	湯鎔鍵	WYH	WSF	B22	姚匡展	ET	RN	C22	楊啟鐸	YHX	DW	D22	羅迪智	SH	LYM	11:30-11:45
11:45-12:00	A23	葉榮駿	WYH	WSF	B23	李獻皓	ET	RN	C23	陳得禧	DW	SH	D23	陳志良	PY	LYM	11:45-12:00
12:00-12:15	A24	陳晞楠	WSF	WYH	B24	潘芷晴	ET	RN	C24	蔡文傑	DW	SH	D24	伍浩賢	PY	LYM	12:00-12:15
12:15-12:30	A25	陳思彤	WSF	WYH	B25	曾富謙	ET	RN	C25	葉秀琮	DW	SH	D25	薛謀明	PY	LYM	12:15-12:30
12:30-12:45	A26	胡富強	WSF	WYH	B26	吳珈瑛	ET	LYM	C26	郭豐悅	DW	PY	D26	李澤森	YHX	CY	12:30-12:45
14:00-14:15	A31	謝宗希	HM	WYH	B31	麥子庭	LYM	YHX	C31	梁子傑	PY	SH	D31	龍柏熹	CY	ET	14:00-14:15
14:15-14:30	A32	林焯楓	WSF	WYH	B32	許滙聖	LYM	YHX	C32	郭嘉寶	SH	RN	D32	文煒嵐	CY	ET	14:15-14:30
14:30-14:45	A33	謝詠珍	WSF	WYH	B33	龔殷瑩	LYM	YHX	C33	劉松峰	SH	RN	D33	吳詠嘉	PY	ET	14:30-14:45
14:45-15:00	A34	黃子洛	WSF	WYH	B34	鄺建鉞	LYM	YHX	C34	江家欣	SH	DW	D34	余澤奇	PY	CY	14:45-15:00
15:00-15:15	A35	王穎謙	WSF	WYH	B35	林顯信	LYM	YHX	C35	杜浩然	SH	DW	D35	葉文通	PY	CY	15:00-15:15
15:15-15:30	A36	葉興年	WSF	WYH	B36	劉健朗	LYM	YHX	C36	黃泳翹	SH	DW	D36	江富洛	PY	CY	15:15-15:30
15:30-15:45	A37	黃型朗	WSF	WYH	B37	羅穎	LYM	YHX	C37				D37	吳苡欣	SH	CY	15:30-15:45
16:00-16:15	A41				B41	李鉅生	LYM	YHX	C41	林嘉浚	PY	DW	D41	梁愷敏	SH	RN	16:00-16:15
16:15-16:30	A42				B42	陳皓陽	LYM	YHX	C42	薛康婷	PY	DW	D42	陳嘉亮	SH	ET	16:15-16:30
16:30-16:45	A43	馮正康	ET	YHX	B43	謝梓峰	LYM	WYH	C43	陳柏匡	RN	DW	D43	黃文嘉	SH	CY	16:30-16:45
16:45-17:00	A44	譚永泉	ET	WSF	B44	張毓彥	SH	LYM	C44	吳嘉穎	CY	DW	D44	陳芷穎	RN	PY	16:45-17:00
17:00-17:15	A45	曾學賢	ET	WSF	B45	黃玉賢	SH	LYM	C45	司徒天德	CY	DW	D45	簡仲賢	RN	PY	17:00-17:15
17:15-17:30	A46	林頌恩	RN	CY					C46	程文傑	DW	LYM	D46	黃健成	SH	PY	17:15-17:30
17:30-17:45	A47	黎家欣	RN	CY									D47	鍾明翰	YHX	PY	17:30-17:45

9 May 2019 (Thu) 16:30-17:00 Room 614 (special arrangement for two students supervised by the EEM staff)

16:30-16:45	170076404	CHAN Terry	A study on microwave sterilization technology in central air conditioning system	HL	CY
16:45-17:00	170181505	HUI Kin San	Indoor thermal comfort evaluation of gym room in Hong Kong	HL	CY

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Oral Presentation: Time Schedule (10 May 2019)

Morning sessions: Panel A: Room 614

Time	Student No.	Student Name	Project Title	Supervisor	Moderator
09:30-09:45 (A11)	150607027	HO Chiu Hin	Investigation on the development of transparent heat insulation coating and its application on the glass of green buildings	WYH	WSF
09:45-10:00 (A12)	150363852	KWOK Tsz Yin	Balancing of an integrated green roof and solar photovoltaic system in Hong Kong building	WYH	WSF
10:00-10:15 (A13)	170042947	KWONG King Man	Investigation on the development of UV protection coating and its application on green buildings	WYH	WSF
10:15-10:30 (A14)	150596703	LAM Calvin	Investigation on the development of photovoltaic tile technology and its application on green buildings	WYH	WSF
10:30-10:45 (A15)	150213481	LAM Wa Sing	Conceptual construction and design of a 100kW PV system on a flat rooftop in Hong Kong, a grid-tied system	WYH	WSF
10:45-11:00 (A16)	150519979	LIANG Jiahao	Investigation on the development of building integrated photovoltaic technology and its application on green buildings	WYH	WSF
11:00-11:15	AM Break				
11:15-11:30 (A21)	170207389	TAI Yuk Man	Investigation on the development of photocatalyst technology and its application on the air purification of green buildings	WYH	WSF
11:30-11:45 (A22)	150025783	TONG Yung Kin	Investigation on the development of vacuum glass and its application on green buildings	WYH	WSF
11:45-12:00 (A22)	150612977	YIP Wing Chun	Conceptual construction and design of a small-scale PV system on wasteland in Hong Kong, grid-tied system	WYH	WSF
12:00-12:15 (A24)	150483259	CHAN Hei Nam	Conceptual construction and design of a 10 kW, stand-alone PV system on residential roof	WSF	WYH
12:15-12:30 (A25)	150567941	CHEN Sitong	Conceptual construction and design of a 200 kW PV system on a commercial building in Hong Kong	WSF	WYH
12:30-12:45 (A26)	170358247	HU Fu Keung	Conceptual design of solar energy powered unmanned aerial vehicle (UAV)	WSF	WYH
12:45-14:00	Lunch Break				

Afternoon sessions: Panel A: Room 614

Time	Student No.	Student Name	Project Title	Supervisor	Moderator
14:00-14:15 (A31)	170115157	TSE Chung Hei	Performance of PV solar panel arrays with tracking system in Hong Kong	HM	WYH
14:15-14:30 (A32)	150483917	LAM Cheuk Fung	Conceptual construction and design of a 10 kW, grid-tied PV system on wasteland in Hong Kong	WSF	WYH
14:30-14:45 (A33)	170068256	TSE Wing Chun	Application of micro-inverters in the distributed PV systems in Hong Kong	WSF	WYH
14:45-15:00 (A34)	150470922	WONG Tze Lok	Investigation on the feed-in tariff (FiT) scheme in Hong Kong and its promotion of renewable energy adoption	WSF	WYH
15:00-15:15 (A35)	150101422	WONG Wing Him Jason	Conceptual design of solar energy powered road lamps in THEi Tsing Yi Campus	WSF	WYH
15:15-15:30 (A36)	170360962	YIP Hing Nin	Conceptual design and economic analysis of a 10 kW wind power system on roof of THEi Building	WSF	WYH
15:30-15:45 (A37)	170358235	HUANG Xinglang	Conceptual design of solar and wind powered road lamps in on Hong Kong hiking trails	WSF	WYH
15:45-16:00	PM Break				
16:00-16:15 (A41)					
16:15-16:30 (A42)					
16:30-16:45 (A43)	170203723	FUNG Ching Hong	Developing prototype building simulation models for sustainable urban design	ET	YHX
16:45-17:00 (A44)	170389494	TAM Wing Chuen	Validation of integrated photovoltaic and solar thermal panel simulation model in sub-tropical region	ET	WSF
17:00-17:15 (A45)	150624478	TSANG Hok Yin	Investigation on performance of integrated photovoltaic and solar thermal panel in small house	ET	WSF
17:15-17:30 (A46)	150062428	LAM Chung Yan	Development of a smart building model for BSE education from the perspective of thermal comfort	RN	CY
17:30-17:45 (A47)	150405687	LAI Ka Yan	Development of a smart building model for BSE education from the perspective of indoor air quality (IAQ)	RN	CY

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<http://ibse.hk/SBS5498/>

Oral Presentation: Time Schedule (10 May 2019)

Morning sessions: Panel B: Room 615

Time	Student No.	Student Name	Project Title	Supervisor	Moderator
09:30-09:45 (B11)	150332297	KWONG Hiu Fai	Indoor lighting quality and energy implications by using advanced nanocoating luminaires	RN	ET
09:45-10:00 (B12)	170121060	LAW Pui Yin	Background light level from neighboring residences in Hong Kong	RN	ET
10:00-10:15 (B13)	170081739	LUI Ka Ho	Light pollution caused by billboards in Wan Chai district 2019	RN	ET
10:15-10:30 (B14)	170085401	MAN Nok Wai	Perception of light pollution in Hong Kong 2019	RN	ET
10:30-10:45 (B15)	150519617	SO Ka Him	Relationship between camera white balance settings and luminance acquisition by high dynamic range (HDR) photography	RN	ET
10:45-11:00 (B16)	170104942	TSANG Lok Tung	Evaluating the effectiveness of light therapy caps on mitigating dementia	RN	ET
11:00-11:15	AM Break				
11:15-11:30 (B21)	150298816	WONG Wai Lok	Smart films on façade glazing for effective daylighting control	RN	ET
11:30-11:45 (B22)	170130112	IU Hong Chin Odin	Study on lightpipe application in a shopping centre by energy simulation	ET	RN
11:45-12:00 (B23)	150595478	LI Hin Ho	Study on how the variable of Round trip time (RTT) during up-peak period affect the percentage of the maximum actual car capacity (AC) in MTR station	ET	RN
12:00-12:15 (B24)	150819141	POON Tsz Ching	A study on daylight-linked control system for dense urban environment	ET	RN
12:15-12:30 (B25)	140631202	TSANG Fu Him	Effectiveness of communication protocols of smart control system	ET	RN
12:30-12:45 (B26)	170264857	NG Ka Ying	Application of combined heat and power system in hospitals	ET	LYM
12:45-14:00	Lunch Break				

Afternoon sessions: Panel B: Room 615

Time	Student No.	Student Name	Project Title	Supervisor	Moderator
14:00-14:15 (B31)	170023515	MAK Chi Teng	Study on the feasibility of air side free cooling for office building in Hong Kong	LYM	YHX
14:15-14:30 (B32)	170357331	HUI Wui Shing	Study on the indoor environment in public sports centre	LYM	YHX
14:30-14:45 (B33)	150452812	KUNG Yan Ying	Study of the residential environmental between the public housing and the private housing in Hong Kong	LYM	YHX
14:45-15:00 (B34)	170363177	KWONG Kin Shing	Assessment of indoor air environment of the libraries in Hong Kong	LYM	YHX
15:00-15:15 (B35)	170262305	LAM Hin Shun Thomas	Study on the environment in public transport interchange in Hong Kong	LYM	YHX
15:15-15:30 (B36)	150359236	LAU Kin Long	Study on potential power generation from fresh water supply system in high-rise residential buildings	LYM	YHX
15:30-15:45 (B37)	150616976	LAW Wing Siobhan	Study on the indoor environment in shopping mall	LYM	YHX
15:45-16:00	PM Break				
16:00-16:15 (B41)	170357195	LEE Kui Sang	Study on the indoor environment in public markets	LYM	YHX
16:15-16:30 (B42)	170361412	CHAN Ho Yeung Karl	Study on the indoor environment in multi-storey car parks	LYM	YHX
16:30-16:45 (B43)	170352716	TSE Tsz Fung	Study on potential power generation with PV panels on THEi building	LYM	WYH
16:45-17:00 (B44)	170055931	CHEUNG Yuk Yin Anakin	Energy modelling and analysis of variable refrigerant flow (VRF) system	SH	LYM
17:00-17:15 (B45)	170001049	WONG Yuk Yin	Assessment of the potential of evaporative roof cooling in Hong Kong climate	SH	LYM
17:15-17:30 (B46)					
17:30-17:45 (B47)					

SBS5498 Final Year Project 2 (Applied Research Project)

<http://ibse.hk/SBS5498/>

Oral Presentation: Time Schedule (10 May 2019)

Morning sessions: Panel C: Room 603

Time	Student No.	Student Name	Project Title	Supervisor	Moderator
09:30-09:45 (C11)	170359533	CHAN Chun Sing	Comparative study of single curtain wall and double skin curtain wall	YHX	DW
09:45-10:00 (C12)	150020068	CHOW Man Cheung	Case study of a low energy consumed data center	YHX	DW
10:00-10:15 (C13)	170089805	FUNG Wai Cheong	Case study of a low energy consumed commercial building	YHX	DW
10:15-10:30 (C14)	170357091	KWOK Ka Ning	Case study of a low energy consumed residential building	YHX	DW
10:30-10:45 (C15)	170376960	LAM Leong Wai	Feasibility study of double skin curtain wall application in Hong Kong	YHX	DW
10:45-11:00 (C16)	170384609	LAM Wang Tsun	Energy efficiency analysis of the Zero Carbon Building (ZCB) in Hong Kong	YHX	DW
11:00-11:15	AM Break				
11:15-11:30 (C21)	170101269	LEUNG Ming Kei	Sustainable technologies in buildings with an emphasis on A/C	YHX	DW
11:30-11:45 (C22)	170178931	YEUNG Kai Tok	Comparative study of zero energy building between Hong Kong and Japan	YHX	DW
11:45-12:00 (C23)	150206220	CHAN Tak Hei	Study on sustainability & green features by the VTC for the Student Dormitory in Tsing Yi	DW	SH
12:00-12:15 (C24)	170168869	CHOI Man Kit	Building services retrofitting for converting an industrial building into a hotel building to enhance tourist accommodation in Hong Kong	DW	SH
12:15-12:30 (C25)	170357318	YIP Sau King	Building services retrofitting to improve energy efficiency and cost effectiveness of an institution building in Hong Kong	DW	SH
12:30-12:45 (C26)	170362120	KWOK Fung Yuet	Green rating system for serviced apartment in Hong Kong	DW	PY
12:45-14:00	Lunch Break				

Afternoon sessions: Panel C: Room 603

Time	Student No.	Student Name	Project Title	Supervisor	Moderator
14:00-14:15 (C31)	170437202	LEUNG Tsz Kit	A comprehensive review on passive design approaches in green building rating tools	PY	SH
14:15-14:30 (C32)	170356985	KWOK Ka Po	Study of lighting system design and performance in lecture theatres	SH	RN
14:30-14:45 (C33)	170204467	LAU Chung Fung	Assessing visual comfort in existing university classrooms	SH	RN
14:45-15:00 (C34)	150311671	KONG Ka Yan	Study of lighting and visual environment for elderly to reduce accidental falls	SH	DW
15:00-15:15 (C35)	170437195	TO Ho Yin Kevin	Lighting requirements and design considerations for the elderly	SH	DW
15:15-15:30 (C36)	150403135	WONG Wing Huen, Unique	Assessment of indoor environment in small residential flats with open kitchen design	SH	DW
15:30-15:45 (C37)					
15:45-16:00	PM Break				
16:00-16:15 (C41)	150312330	LAM Ka Tsun Lester	Prefabricated modelling building in Hong Kong	PY	DW
16:15-16:30 (C42)	170053243	SIT Hong Ting	Study of green building development in Hong Kong	PY	DW
16:30-16:45 (C43)	170438260	CHAN Pak Hong	Development of a smart building model for BSE education from the perspective of visual comfort	RN	DW
16:45-17:00 (C44)	170083524	NG Ka Wing	Economic analysis of using tri-generation system in sewage treatment plant in Hong Kong	CY	DW
17:00-17:15 (C45)	170083604	SETO Tin Tak	Feasibility study of tri-generation system in sewage treatment plant in Hong Kong	CY	DW
17:15-17:30 (C46)	150619407	CHING Man Kit	How to make a hospital to become a healthy building and prevent sick by enhancing great IEQ	DW	LYM
17:30-17:45 (C47)					

SBS5498 Final Year Project 2 (Applied Research Project)

<http://ibse.hk/SBS5498/>

Oral Presentation: Time Schedule (10 May 2019)

Morning sessions: Panel D: Room 604

Time	Student No.	Student Name	Project Title	Supervisor	Moderator
09:30-09:45 (D11)	170185497	CHAN Wai Man	A study of sustainable green building design in Hong Kong	CY	PY
09:45-10:00 (D12)	170011203	CHEUNG Jeremy Daniel	Comparative study of green building assessment standards between Hong Kong and Singapore	CY	PY
10:00-10:15 (D13)	170358886	KWOK Man Ho	Comparative study of green building assessment standards between Hong Kong and U.K.	CY	PY
10:15-10:30 (D14)	170360206	TAM Wai Hoi	Comparative study of green building assessment standards between Hong Kong and U.S.	CY	PY
10:30-10:45 (D15)	170129740	YEUNG Chun Ho	Critical review of thermal comfort in sleep environment	CY	PY
10:45-11:00 (D16)	170079399	CHEUNG Chun Wai	Study of thermal comfort on bus in Hong Kong	CY	LYM
11:00-11:15	AM Break				
11:15-11:30 (D21)	170073623	LAI Tsz Fung	Experimental study and field test of variable refrigerant flow (VRF) system	SH	LYM
11:30-11:45 (D22)	150493007	LO Tik Chi	Feasibility of applying chilled ceiling for office buildings in Hong Kong	SH	LYM
11:45-12:00 (D23)	170361332	CHEN Chi Leung	Study of ice-based thermal storage technology and application in Hong Kong	PY	LYM
12:00-12:15 (D24)	170078919	NG Ho Yin	Comprehensive review on passive design approaches in green building rating tools	PY	LYM
12:15-12:30 (D25)	170345018	XUE Mouming	Critical review of thermal comfort in lecture theatre	PY	LYM
12:30-12:45 (D26)	170476670	LEE Chak Sum	Indoor thermal comfort evaluation of an office in Hong Kong	YHX	CY
12:45-14:00	Lunch Break				

Afternoon sessions: Panel D: Room 604

Time	Student No.	Student Name	Project Title	Supervisor	Moderator
14:00-14:15 (D31)	170364358	LUNG Pak Hei	Comparative study of different domestic water supply schemes in high-rise buildings	CY	ET
14:15-14:30 (D32)	170088962	MAN Wai Nam	Feasibility study of using variable frequency pump for domestic water supply in high-rise buildings in Hong Kong	CY	ET
14:30-14:45 (D33)	170359453	NG Wing Ka	Green building rating system comparison	PY	ET
14:45-15:00 (D34)	150612603	YU Chak Ki	Study of the cooling load calculation methods	PY	CY
15:00-15:15 (D35)	170437459	YIP Man Tung	Study of humidity control application of residential buildings in Hong Kong	PY	CY
15:15-15:30 (D36)	170436113	KONG Fu Lok	A study on cooling load calculation	PY	CY
15:30-15:45 (D37)	170206504	NG Yi Yan	Investigation of local cooling on thermal comfort in sleeping environments	SH	CY
15:45-16:00	PM Break				
16:00-16:15 (D41)	170690649	LEUNG Hoi Man	Study of lighting design in lecture theatres using emotional design concept	SH	RN
16:15-16:30 (D42)	170180625	CHAN Ka Leong	Study of lighting system design and performance in libraries	SH	ET
16:30-16:45 (D43)	170168507	WONG Man Ka	Study of adaptive thermal comfort in a student dormitory in Hong Kong	SH	CY
16:45-17:00 (D44)	170361215	CHAN Tsz Wing	Application of BIM on BEAM Plus NB v1.2 submission	RN	PY
17:00-17:15 (D45)	151147857	KAN Chung Yin Joel	BIM: Education needs in Hong Kong	RN	PY
17:15-17:30 (D46)	150043322	WONG Kin Shing	Evaluation of energy saving opportunities in student dormitory	SH	PY
17:30-17:45 (D47)	170437853	CHUNG Ming Hon	Sustainable technologies in buildings with an emphasis on ventilation	YHX	PY