



**UTM**  
UNIVERSITI TEKNOLOGI MALAYSIA



# GBES 2021

VIRTUAL INTERNATIONAL GRADUATE  
CONFERENCE BUILT ENVIRONMENT & SURVEYING

"INTEGRATING TECHNOLOGIES, COMMUNITIES AND  
PROFESSIONS IN DEVELOPING SUSTAINABLE"

# PROGRAMME BOOK

22nd – 23rd JUNE 2021  
FACULTY OF BUILT ENVIRONMENT & SURVEYING  
UNIVERSITI TEKNOLOGI MALAYSIA



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## FOREWORD FROM DEAN

Assalamualaikum Warahmatullahi Wabarakatuh

It is an honor and privilege for me to welcome you, on behalf of the organizers of the Virtual International Graduate Conference of Built Environment and Surveying (GBES 2021). The conference is organized by the Faculty of Built Environment and Surveying (FABU) with the collaboration of Post Graduate Student Society), Faculty of Built Environment and Surveying (PGSS-FABU, Universiti Teknologi Malaysia. The International Graduate Conference of Built Environment and Surveying (GBES 2021) is a sequel to GBES 2019. However, due to the Covid-19 pandemic, this event will be hosted virtually.

UTM has always placed great emphasis on postgraduate's student academic success and professional skills development. I am therefore delighted to be able to give my full support to this Virtual International Graduate Conference of Built Environment and Surveying (GBES 2021). I do believe that this conference will serve as a platform to gain the most recent knowledge from both industrial and academic perspectives by sharing knowledge on best practices from the various disciplines of the built environment. This conference also will offer an intellectually motivating and supportive platform for the exchange of ideas between research postgraduate students and get valuable formal feedback from scholars in the field.

As we known with the current pandemic of Covid-19, with the theme of "Integrating Technologies, Communities, and Professions in Developing Sustainable Built Environment", it is hoped that the work you share could be used to benefit every aspect of life through built environment and surveying especially in tackling future challenges ahead.

I am pleased to acknowledge that this year marks the second GBES series of conferences that will be held virtually for the first time in which FABU and PGSS-FABU is hosting. Even though there will be circumstances, they manage to hosting this conference. I trust this conference will contribute significant information and benefit for all participants. The total of participants of this conference are 170 participants from various countries such as Malaysia, Nigeria, and others.

Despite of this challenging situation, I would like to thank all participants and the organizing committees of FABU and PGSS-FABU for making this event happen. It is hoped that GBES would continue to be an annual meeting of postgraduate students especially those in built environment and surveying researchers to share, exchange their knowledge and forge stronger research network partnerships each year.

I wish you an excellent conference, full of inspiring ideas and interesting discussion!

**PROF. Sr DR. HISHAMUDDIN BIN MOHD ALI**  
Dean,  
Faculty of Built Environment & Surveying  
Universiti Teknologi Malaysia

VIRTUAL INTERNATIONAL GRADUATE CONFERENCE BUILT ENVIRONMENT & SURVEYING  
(GBES 2021)





# WELCOMING REMARKS FROM GENERAL CHAIR

Assalamualaikum Warahmatullahi Wabarakatuh

On behalf of the Organising Committee and Postgraduate Student Society (PGSS-FABU) Faculty of Built Environment and Surveying, I would like to extend warmest welcome with a great pleasure to all participants to the Virtual International Graduate Conference of Built Environment and Surveying (GBES 2021). We are proud to announce that this conference is jointly organized by Postgraduate Student Society (PGSS-FABU) Faculty of Built Environment and Surveying with the collaboration of Faculty of Built Environment and Surveying (FBES).

It is undeniable that research in the built environment and surveying is developing and becoming increasingly important, not only locally but also in a global scale. This is set apart by the emergence of numerous conferences and journals in the multi-disciplinary fields. This two-day of virtual conference will be dedicated to cover a wide spectrum of themes related to 'Integrating Technologies, Communities and Professions in Developing Sustainable Built Environment'. The Conference, composed of six (6) themes divided in (4) parallel sessions, tackles important topics on built environment and allied fields. Therefore, the Conference, has invited six (6) distinguished keynote speakers from every field of research on built environment and surveying. The invited keynote speakers are expert, knowledgeable and have vast experiences in their field of research. To encourage the postgraduate students be able to share their research findings and delegate networking among them, GBES 2021 is completely conducted in a digital platform in a line with the social distancing norms due to COVID-19 pandemic.

Taking this opportunity also, I am honoured and delighted to express our sincere gratitude to all of the co-organizers, sponsors, keynote speakers, session chairs, listeners, presenters and participants for the support and participation in GBES 2021. I also would like to extend my heartiest and deepest appreciation to all the fellow members of the Organization Committee and to those who involved directly or indirectly that have worked very hard to make this conference a truly successful one like it has been in the last two (2) years. I hope this two-day conference would help students expanding their networking opportunity and cope a deep knowledge in their research.

**PROF. Sr DR. ANUAR BIN HJ. AHMAD**  
**General Chair**  
**GBES 2021**



VIRTUAL INTERNATIONAL GRADUATE CONFERENCE BUILT ENVIRONMENT & SURVEYING  
 (GBES 2021)

## WELCOMING REMARKS FROM CHAIRPERSON

Greetings!

I am delighted to welcome all delegates to the Virtual International Graduate Conference of Built Environment and Surveying (GBES 2021). The aim of this virtual international annual conference is to gather young researchers and academicians, particularly among postgraduate students to present and share their current research works and exchange the ideas among themselves relating to built environment and surveying field of research.

The conference is organized by Postgraduate Students Society (PGSS-FABU), Faculty of Built Environment and Surveying in collaboration with the Faculty of Built Environment and Surveying, Universiti Teknologi Malaysia. I would like to extend my heartiest and deepest appreciation to all that have worked very hard to make sure this conference brings a huge success. I am honoured to thank the sponsors who have contributed their commitment to ensure the entire conference will have a very smooth flow.

Hopefully, this conference would be one of the platforms for postgraduate students and researchers to share their research works and findings to ensure the continuity of research in the future through the publications. I wish everyone a successful and fruitful conference.

Have a great time!

**TEO KOK WEI**  
**Chairperson**  
**GBES 2021**



# ORGANISING COMMITTEE

## **PATRON**

Prof. Sr Dr. Hishamuddin bin Mohd Ali

## **ADVISORS**

Assoc. Prof. Sr Dr. Razali bin Abdul Hamid

Assoc. Prof. Dr. Zulkepli bin Majid

Assoc. Prof. Dr. Mahmud bin Mohd Jusan

## **GENERAL CHAIR**

Prof. Sr Dr. Anuar bin Ahmad

## **ORGANISING CHAIRMAN**

Teo Kok Wei

## **VICE-CHAIRMAN**

Nur Ainna Aznida binti Abdullah

## **SECRETARY**

Nurul Sal Shabila binti Izanda

## **TREASURER**

Norziana binti Ahli

## **PUBLICITY AND COMMUNICATIONS**

Muhamad Nur Fadhli bin Minhat

Norhafiza binti Abdullah

## **PROCEEDINGS AND PUBLICATION**

Sr Dr. Azizah binti Ismail

Prof. Dr. Anuar bin Ahmad

Dr. Mohd Shahril bin Abd. Rahman

## **SECRETARIAT FOR PROCEEDING AND PUBLICATION**

Tan Wee Vern

Kelvin bin Celesistinus

Fazlur Rahman

## **FBES SECRETARIAT**

Abdul Jalil bin Maulani

Nurun Nazrah binti Ahmad

Mahani binti Abdul Rahman

Siti Mariam binti Mamat

Zaleha binti Tajip





## SCIENTIFIC COMMITTEE

Prof. Dr. Mohammad Rafee bin Majid  
Prof. Dr. Anuar bin Ahmad  
Assoc. Prof. Dr. Mahmud bin Mohd Jusan  
Assoc. Prof. Sr Dr. Wan Yusoff bin Wan Mahmood  
Dr. Alvin Lau Meng Shin  
Sr Dr. Azizah binti Ismail  
TPr Dr. Siti Hajar binti Misnan  
Dr. Aminah binti Mohsin  
Sr Dr. Shahabuddin bin Amerudin  
Dr. Shahabudin bin Abdullah  
Dr. Lee Yoke Lai  
Assoc. Prof. Dr. Tajul Ariffin bin Musa

### **SECRETARIAT**

Ifeoluwa Adedoyin Adeyemi  
Muhammed Abdullah Al Sayem Khan  
Moses Iorakaa Ayoosu

## KEYNOTE SPEAKERS



### **Keynote Speaker 1**

Sr Hj Ishak bin Ismail

Managing Director  
IM Global Property Consultants Sdn. Bhd.

President of Malaysian Association of Muslim  
Negotiators



### **Keynote Speaker 2**

TPr Dr. Alias bin Rameli

Director, Research and Development Division  
PLANMalaysia

Deputy Director General's (Development) Office



### **Keynote Speaker 3**

Sr Amran bin Mohd. Majid

Senior Director,  
Contract and Quantity Surveying Branch,  
Public Works Department, Malaysia



### **Keynote Speaker 4**

Assoc. Prof. Dr. Nor Zalina Harun

Senior Research Fellow Institute of The Malay World and  
Civilization

Universiti Kebangsaan Malaysia





**Keynote Speaker 5**

Sr Sohaime bin Hj Rasidi

Deputy Director General of Survey and Mapping II  
Department of Survey and Mapping Malaysia



**Keynote Speaker 6**

Prof. Dr. Arc. Barr. Zanzan Akaka Uji

Professor of Architecture and Advocate of the Supreme  
Court of Nigeria.

Department of Architecture,  
University of Jos Nigeria.

PROGRAMME SCHEDULE





# Day 1 Tuesday 22nd June 2021

- 8:00 am - 8:30 am : Conference Registration (Attendance Day 1)
- 8:30 am - 8:40 am : Opening and greeting
- 8:40 am - 8:45 am : Welcoming address by Conference Organising Chair,  
Mr. Teo Kok Wei
- 8:45 am - 8:50 am : Welcoming remarks by Conference General Chair,  
Prof. Sr Dr. Hj. Anuar bin Hj. Ahmad
- 8:50 am - 8:55 am : Opening remarks by Vice Chancellor, Universiti Teknologi  
Malaysia, Prof. Datuk Ts. Dr. Ahmad Fauzi bin Ismail
- 8:55 am - 09:00 am : Video Montage
- 9:00 am - 9:30 am : Keynote Speaker 1 (Real Estate)  
Speaker Name : Sr Hj Ishak bin Ismail  
Title : Profession, Issues and Challenges
- 9:30 am - 10:00 am : Keynote Speaker 2 (Urban and Regional Planning)  
Speaker Name : TPr. Dr. Alias bin Rameli  
Title : Evaluating and Monitoring Sustainability of Malaysian  
Cities Through Portal MURNInets 2.0
- 10:00 am - 10:30 am : Keynote Speaker 3 (Quantity Surveying)  
Speaker Name : Sr Amran bin Mohd. Majid  
Title : Effects of Covid-19 and Extension of Time in Construction  
Contracts
- 10:30 am - 11:00 am : First Question and Answer Session for Keynote Speaker
- 11:00 am - 11:15 am : Morning break
- 11:15 am - 11:45 am : Keynote Speaker 4 (Landscape Architecture)  
Speaker Name : Assoc. Prof. Dr. Nor Zalina Harun  
Title : Informing Social Sustainability Through Public Spaces
- 11:45 am - 12:15 pm : Keynote Speaker 5 (Geoinformation)  
Speaker Name : Sr Sohaime bin Hj. Rasidi  
Title : JUPEM Towards a More Sustainable Geomatics



- 12:15 pm - 12:45 pm : Keynote Speaker 6 (Architecture)  
Speaker Name : Prof. Dr. Arc. Barr. Zanzan Akaka Uji  
Title : Reconfiguring the Traditional Settlement Pattern for  
Sustainable Growth and Development: The Tiv Settlement  
in Perspective
- 12:45 pm - 13:15 pm : Second Question and Answer Session for Keynote Speaker
- 13:15 pm - 14:00 pm : Afternoon break
- 14:00 pm - 17:00 pm : Parallel sessions 1
- 17:00 pm : Closing Speech End of Day 1



# Day 2 Wednesday 23rd June 2021

8:00 am - 8:30 am : Conference Registration (Attendance Day 2)

8:30 am - 10:30 am : Parallel sessions 2

10:30 am - 11:00 am : Morning break

11:00 am - 13:00 pm : Parallel sessions 3

13:00 pm - 14:00 pm : Afternoon break

14:00 pm - 17:00 pm : Parallel sessions 4

17:00 pm - 17:30 pm : Closing Speech by Deputy Vice-Chancellor (Academic & International), Universiti Teknologi Malaysia, Prof. Sr Dr. Hishamuddin bin Mohd Ali & Announcement of Award



PARALLEL SESSIONS





# Parallel Session 1 (6 Sessions, 12 Timeslots)

## 22nd June 2021 (Tuesday)

| TIME         | 01<br>REAL<br>ESTATE                                    | 02<br>ARCHITECTURE                               | 03<br>QUANTITY<br>SURVEYING                        | 04<br>LANDSCAPE<br>ARCHITECTURE          | 05<br>GEOINFORMATION                               | 06<br>URBAN & REGIONAL<br>PLANNING             |
|--------------|---|--|--|--|--|--|
| 14:00- 14:15 | RE 1001<br>TEO KOK WEI                                  | AR 1001<br>ABIMAJE<br>JOSHUA                     | QS 1009<br>ROZELIN BINTI<br>ABDULLAH               | LA1001<br>TIKA AINUNNISA<br>FITRIA       | GE 1004<br>AHMAD FIRDAUS<br>RAZALI                 | UR 1003<br>FAZLUR RAHMAN                       |
| 14:15- 14:30 | RE 1003<br>NURUL<br>FAZIRA BINTI<br>SA'AT               | AR 1002<br>TAN HUI PING                          | QS 1002<br>NOR MARINA<br>BINTI ROSLI               | LA1002<br>STIVANI<br>AYUNING<br>SUWARLAN | GE 1005<br>NOR AINN<br>ALFATIHAH BINTI<br>ZAMZURI  | UR 1004<br>SUNUSI<br>ABDULKARIM                |
| 14:30- 14:45 | RE 1004<br>ZAINAB<br>TOYIN<br>JAGUN                     | AR 1003<br>AULE THOMAS<br>TERNA                  | QS 1003<br>ALAO,<br>MOHAMMED<br>KASEEM             | LA 1003<br>YUSRA AULIA<br>SARI           | GE 1006<br>MOHAMMAD HANIF<br>HAMDEN                | UR 1005<br>NAZIA KHALIDA<br>BINTI SULAIMAN     |
| 14:45- 15:00 | RE 1005<br>ZAINAB<br>TOYIN<br>JAGUN                     | AR 1004<br>MERCY INIKPI<br>ACHOBA                | QS 1004<br>HANIS<br>NAZURAH<br>BINTI ABU<br>HASSAN |  | GE1007<br>SITI SYUKRIAH<br>BINTI KHAMDAN           | UR 1006<br>TAN PEI YEE                         |
| 15:00- 15:15 | RE 1006<br>RAZLIN BINTI<br>MANSOR                       | AR 1005<br>MUHAMMED<br>ABDULLAH AL<br>SAYEM KHAN | QS 1005<br>TOH KA BEAN                             |  | GE1008<br>NUR ADILLA BINTI<br>ZULKIFLI             | UR 1008<br>LI XIANGYU                          |
| 15:15- 15:30 | RE 1007<br>NORHAFIZA<br>BINTI<br>ABDULLAH               | AR 1006<br>MOSES<br>IORAKAA<br>AYOOSU            | QS 1006<br>KOH FUNG<br>CHIENG                      |  | GE 1009<br>NUR SURAYATUL<br>ATIKAH BINTI<br>ALIHAN | UR 1009<br>JOSEPHINE LEE SIAW<br>LING          |
| 15:30- 15:45 | RE 1008<br>AIN<br>FARHANA BT<br>JAMALUDIN               | AR 1007<br>SITI DALILA<br>BINTI MOHD<br>SOJAK    | QS 1007<br>EILEEN KHIU<br>XIN YING                 |  | GE 1010<br>MUHAMAD ASYRAF<br>BIN ZAMARI            | UR 1010<br>AMADU MONDAY<br>AMBUGADU            |
| 15:45- 16:00 | RE 1009<br>LIM SHI MIN                                  | AR 1008<br>MOSES<br>IORAKAA<br>AYOOSU            | QS 1008<br>ADETUNJI<br>KAMOLI                      |  | GE 1011<br>NORNAJIHAH<br>MOHAMMAD YAZID            | UR 1011<br>NURAINI BINTI<br>ROSLAN             |
| 16:00- 16:15 | RE 1010<br>AIDA JULIA<br>BINTI<br>AMINUDDIN             | AR 1009<br>MUHAMMAD<br>REDUAN BIN<br>ISAHAK      |  |  | GE 1012<br>ISMAILA USMAN<br>KAOJE                  | UR 1012<br>MOHD FAIZAL BIN<br>MD SALEH         |
| 16:15- 16:30 | RE 1011<br>MOHD<br>SUHARIZAL<br>BIN<br>MAHAMAD<br>SUBRI | AR 1010<br>ADILA BINTI<br>ZAKARIA                |  |  | GE 1019<br>SHAZAD JAMAL<br>JALAL                   | UR 1013<br>ABDUL-AZEEZ<br>BASHIRAT<br>MUSTAPHA |
| 16:30- 16:45 | RE 1012<br>TAN WEE<br>VERN                              | AR 1011<br>MUHAMAD<br>HANAFI BIN<br>RAHMAT       |  |  | GE 1014<br>NURFARHANI BINTI<br>RIZAL               | UR1014<br>NUR SHAHEERA<br>BINTI MOHD AZMAN     |
| 16:45- 17:00 | RE 1013<br>TOH MING<br>LIANG                            | AR 1013<br>SANUSI<br>MAIMAGANI<br>SANI           |  |  | GE 1015<br>MOHD FAIZUDDIN<br>BIN ABD RAHMAN        | UR 1015<br>ABBA SALEH                          |

- Note: Each presenter is given 10 minutes of presentation and 5 minutes of Q&A session



# Parallel Session 2 (5 Sessions, 8 Timeslots)

## 23rd June 2021 (Wednesday)

| TIME         | 01<br>REAL ESTATE  | 02<br>ARCHITECTURE                       | 03<br>QUANTITY<br>SURVEYING                            | 04<br>LANDSCAPE<br>ARCHITECTURE | 05<br>GEOINFORMATION                        | 06<br>URBAN & REGIONAL<br>PLANNING          |
|--------------|--|--|--|---------------------------------|---|---|
| 08:30- 08:45 | RE 1014<br>HAMDI BIN<br>ABDUL HAMID                                | AR 1014<br>YIN RUI                       | QS 1001<br>ERNI<br>YUSNIDA<br>ARIFFIN                  |                                 | GE1016<br>MOHD HAFIS BIN<br>MOHD ROOM       | UR 1016<br>WISAL HASSAN<br>IBRAHIM ALHASSAN |
| 08:45- 09:00 | RE 1015<br>ROHIMAH<br>KHOIRIYAH BT<br>MOHD ARIFIN<br>HARAHAP       | AR 1015<br>LOW HUI CHING                 | QS 1010<br>MONIRUL<br>ISLAM                            |                                 | GE 1017<br>MAT NIZAM BIN UTI                | UR 1017<br>SITI AISAH BINTI<br>ABAS         |
| 09:00- 09:15 | RE 1016<br>AYU<br>PRIMASARI<br>ANDINI                              | AR 1016<br>NUR DIANA<br>MOHAMED<br>ROSLI | QS 1011<br>OLALEKAN<br>OLAOLU<br>TITUS                 |                                 | GE 1018<br>GAN WEI XIN                      | UR 1018<br>SUMAIA IBRAHIM<br>OTHTMAN NANI   |
| 09:15- 09:30 | RE 1017<br>ABDURRAHEEM<br>YAKUB                                    | AR 1017<br>HABU YUSUF<br>ABBA            | QS 1012<br>ROZANA<br>BINTI<br>MOHAMED<br>SALLEH        |                                 | GE 1013<br>TAM TZE HUEY                     | UR 1019<br>NORAJLIN JAINI                   |
| 09:30- 09:45 | RE 1018<br>SHARIFAH<br>NURUL<br>AKHILAH BINTI<br>SYED<br>MUSTORPHA | AR 1018<br>INTAN LIANA<br>BINTI SAMSUDIN | QS 1013<br>INFITAH<br>KAMALIAH<br>BINTI MOHD<br>FAISAL |                                 | GE 1020<br>SHHRUL<br>MARDHIAH BINTI<br>AZMI | UR 1020<br>ABDULLAH SUFI BIN<br>ALI         |
| 09:45- 10:00 | RE 1022<br>NURUL<br>AZREENA<br>NABILA BINTI<br>KHAIRUL<br>ANUAR    | AR 1019<br>AHMED HAMED<br>HAMED ALI      | QS 1014<br>FARAH<br>KAMILAH<br>BINTI<br>ZAINUDDIN      |                                 | GE1022<br>CHIVATSI<br>JONATHAN NYOKA        | UR 1021<br>SULAIHA BINTI<br>MOHD ISA        |
| 10:00- 10:15 | RE 1024<br>NOR AKMAR<br>BINTI IBRAHIM                              | AR 1020<br>INUSA, YAKTOR<br>JOSHUA       |  |                                 | GE 1024<br>MUHAMMAD<br>HAMID CHAUDHRY       | UR 1022<br>ELYNA SYAZANA<br>BINTI KANA      |
| 10:15- 10:30 | RE 1025<br>SITI MARIYAM<br>BINTI ABD<br>RAZAK                      | AR 1021<br>AHMAD SHUIB<br>BIN YAHYA      |  |                                 | GE1026<br>MIMI DIANA BINTI<br>GHAZALI       | UR 1023<br>NORZIANA BINTI<br>AHLI           |

- Note: Each presenter is given 10 minutes of presentation and 5 minutes of Q&A session



# Parallel Session 3 (5 Sessions, 8 Timeslots)

| TIME         | 01<br>REAL ESTATE                                    | 02<br>ARCHITECTURE                                 | 03<br>QUANTITY<br>SURVEYING                     | 04<br>LANDSCAPE<br>ARCHITECTURE | 05<br>GEOINFORMATION                                      | 06<br>URBAN & REGIONAL<br>PLANNING                 |
|--------------|--|--|---|---------------------------------|---|--|
| 11:00- 11:15 | RE 1026<br>NURULLIZA<br>SALLEH                       | AR 1023<br>NURUL AIN<br>SHUHADA AZIL               | QS 1015<br>IGWE<br>UCHENNA<br>SAMPSON           |                                 | GE1028<br>MOHD RADHIE BIN<br>MOHD SALLEH                  | UR 1024<br>NABIHAH BINTI<br>KAMARUDIN              |
| 11:15- 11:30 | RE 1027<br>ASMA IDAYU<br>BINTI IZHAR                 | AR 1024<br>NUR FARAH<br>ATIKAH BINTI<br>MOHD RAZIF | QS 1016<br>KUMALASARI<br>BINTI KIPLI            |                                 | GE1029<br>NORHAFIZI BIN<br>MOHAMAD                        | UR 1025<br>SITI AFLIZA BINTI<br>HABLOM             |
| 11:30- 11:45 | RE 1041<br>NURUL SAL<br>SHABILA BINTI<br>IZANDA      | AR 1026<br>IDAURA<br>FADHYA BINTI<br>CHE IBRAHIM   | QS 1017<br>FARIS BIN<br>HYDER ALI               |                                 | GE 1030<br>OOI WEI HAN                                    | UR 1027<br>NURUL AIN<br>FARHANA BINTI<br>ZAINORDIN |
| 11:45- 12:00 | RE 1029<br>KELVIN BIN<br>CELESISTINUS                | AR 1027<br>MOHAMMED<br>ABDULLAH<br>ALZHRANI        | QS 1018<br>HANAFI BIN<br>AB. HARIS              |                                 | GE1031<br>AMALINA IZZATI<br>ABDUL HAMID                   | UR 1029<br>MOHAMAD TAUF EK<br>BIN MOHD<br>HANAPIAH |
| 12:00- 12:15 | RE 1030<br>RUBIAH BINTI<br>MD ZAN                    | AR 1029<br>LIEW CHOON FAI                          | QS 1019<br>SABIU BAFFA<br>YAHAYA                |                                 | GE1032<br>AMALIN A'TSHAH<br>BINTI MOHD NASIR              | UR 1030<br>LEON LUIZ LAKIM                         |
| 12:15- 12:30 | RE 1031<br>SYARAH<br>SYAZWANI<br>ARIFIN              | AR 1032<br>ZAMRI BIN<br>SENIN                      | QS 1021<br>MUHAMMAD<br>MUHAMMAD<br>ZIA-UL-HAQ   |                                 | GE1034<br>NURUL AMALIN<br>FATIH AH BINTI<br>KAMARUL ZAMAN | UR 1037<br>TAN LAY YEN                             |
| 12:30- 12:45 | RE 1035<br>SITI<br>FARAHANEZA<br>MOHD MISRON         | AR 1033<br>SAMSIAH BINTI<br>ABDULLAH               | QS 1023<br>MOHAMAD<br>ZAHIERRUDEN<br>BIN ISMAIL |                                 | GE 1036<br>AHMAD RAZALI BIN<br>YUSOFF                     | UR 1032<br>AHMAD JOHARI BIN<br>AWANG               |
| 12:45- 13:00 | RE 1036<br>FATHIN<br>SHAHIERA<br>BINTI<br>NOORADZHAR | AR 1035<br>NOR AZIZAH<br>ADNAN                     | QS 1024<br>KHEW KAI REN                         |                                 | GE 1037<br>NORSHHRIZAN<br>MOHD HASHIM                     | UR 1033<br>RIFIATI SAFARIAH                        |


- Note: Each presenter is given 10 minutes of presentation and 5 minutes of Q&A session

# Parallel Session 4 (4 Sessions, 12 Timeslots)

| TIME         | 01<br>REAL ESTATE                              | 02<br>ARCHITECTURE                                | 03<br>QUANTITY<br>SURVEYING | 04<br>LANDSCAPE<br>ARCHITECTURE | 05<br>GEOINFORMATION                                  | 06<br>URBAN & REGIONAL<br>PLANNING                 |
|--------------|--|---|-----------------------------|---------------------------------|---|--|
| 14:00- 14:15 | RE 1037<br>NUR ZAFIRAH<br>BINTI<br>ZAHARUDIN   | AR 1036<br>AZARI BIN MAT<br>YASIR                 |                             |                                 | GE1039<br>MASRETA BINTI<br>MOHD @ BASRI               | UR 1034<br>NURUL SULIANA<br>BINTI YUSOFF           |
| 14:15- 14:30 | RE 1038<br>MUHAMAD<br>ZURAINI BIN<br>IDRIS     | AR 1038<br>NABILAH BINTI<br>ZAINAL ABIDIN         |                             |                                 | GE1040<br>MOHAMAD JAHIDI<br>BIN OSMAN                 | UR 1035<br>NOR AZALINA<br>YUSNITA BT ABD<br>RAHMAN |
| 14:30- 14:45 | RE 1028<br>MUHAMAD<br>NUR FADHLI<br>BIN MINHAT | AR 1039<br>AMIRUL HAKIM<br>BIN JAMIL              |                             |                                 | GE 1041<br>WAN NOR FA'AIZAH<br>BT WAN ABDUL<br>BASIR  | UR 1031<br>AZIZAH BINTI ISMAIL                     |
| 14:45- 15:00 | RE 1045<br>NURUL<br>LIYANA BINTI<br>IBRAHIM    | AR 1040<br>ANI SYAHIRAH<br>BINTI ZAINAL<br>ABIDIN |                             |                                 | GE1042<br>LING SIE CHIEW                              | UR 1038<br>RUT BINTI DOUNI                         |
| 15:00- 15:15 | RE 1047<br>IFEOLUWA<br>ADEDYOYIN<br>ADEYEMI    | AR 1025<br>ISMA' ADLEENA<br>BINTI ABDUL<br>AZIS   |                             |                                 | GE 1043<br>MUHAMMAD FARID<br>BIN MOHD YAZAIR          | UR 1039<br>ZULAZHAR BIN ABD<br>GAHNI @ ABD GHANI   |
| 15:15- 15:30 | RE 1049<br>ISYAKU<br>IBRAHIM                   |   |                             |                                 | GE1044<br>NURFAIRUNNAJIHA<br>BINTI RIDZUAN            | UR 1040<br>NOOR IRDIANA BINTI<br>NGADIMAN          |
| 15:30- 15:45 | RE 1021<br>NURUL IZZATI<br>BINTI TARMIZI       |   |                             |                                 | GE 1045<br>A.B.M. ABU HAIDER                          | UR 1041<br>SITI NABILA BINTI<br>MOKHTAR            |
| 15:45- 16:00 |  |   |                             |                                 | GE 1047<br>MOHAMMAD<br>SAHRUL AKMAL<br>BIN ABD SAHRIN | UR 1042<br>NURFASIAH BINTI<br>MOHD RAZALI          |
| 16:00- 16:15 |  |   |                             |                                 | GE 1048<br>NAZRIN AFIQ BIN<br>ABDUL RAHMAN            | UR 1044<br>NUR AINNA AZNIDA<br>BINTI ABDULLAH      |
| 16:15- 16:30 |  |   |                             |                                 | GE 1050<br>FARALIYANA BINTI<br>MOHD HANAFI            | UR 1047<br>RAZMAN HAFIFI BIN<br>REDZUAN            |
| 16:30- 16:45 |  |   |                             |                                 | GE 1051<br>UMAR HAFIZ<br>AMINU                        | UR 1050<br>LI JINHUA                               |
| 16:45- 17:00 |  |   |                             |                                 | GE 1053<br>MOHAMMED<br>JAWALUDDEEN<br>SANI            | UR 1046<br>JAMILAHTUN MD<br>GHAZALI                |

- Note: Each presenter is given 10 minutes of presentation and 5 minutes of Q&A session





# GBES 2021

VIRTUAL INTERNATIONAL GRADUATE  
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"INTEGRATING TECHNOLOGIES, COMMUNITIES AND  
PROFESSIONS IN DEVELOPING SUSTAINABLE"