



International Seminar on Geospatial Analytics and Operations Research in Emergencies
Monday February 18, 2019
The Academia @ Singapore General Hospital
Room L2-S2
20 College Rd, Singapore 169856

| Day 1 – 18th February 2019 | | Speakers |
|--|--|---|
| 0800 – 0830 | Registration | |
| 0830 – 0900 | Welcome speech | Prof Marcus Ong |
| 0900 - 0930 | Introduction to PAROS Singapore Presentation of previous Geospatial and operation research | Dr. Andrew Ho |
| 0930 - 1000 | Introduction to Asia-wide PAROS data Research opportunities | Dr. Ng Wei Ming |
| 1000 – 1030 | Tea Break | |
| 1030 – 1100 | Introduction to Virtual Singapore (VS) Project: Optimising Emergency Medical Systems Using 3D Modelling and Simulation of Built Public Spaces (The “EMS3D” Project) | Prof Cai Wentong |
| 1100 – 1140 | Current Progress of VS Project (on AED Placement and ED Evacuation) | Mr. Ivan Derevitskii Dr. Kwak Jaeyoung |
| 1140 – 1200 | GIS/PAROS related work from Taiwan | Dr. Patrick Ko |
| 1200 – 1220 | OHCA Geolocation data for Public Access Defibrillator (PAD) | Dr. Thammapad Piyasuwankul |
| 1220 – 1240 | GIS Analysis on road traffic injury in a district in Malaysia | Prof Nik H Rahman |
| 1240-1330 | Lunch | |
| 1330 - 1500 | Geospatial and Optimisation Techniques | A/Prof Timothy Chan Mr. Benjamin Leung |
| 1500 – 1530 | Tea Break | |
| 1530 – 1600 | Introduction to Health Services Research Data Science Core | Dr. Sean Lam |
| 1600 – 1615 | Translational Research in AI and Data Analytics | Mr. Edward Chew |
| 1615 – 1645 | Artificial Intelligence and Data Science in Emergency Care | Dr Liu Nan |
| 1645 – 1700 | Operations Research in Emergency Care | Dr. Sean Lam |
| 1700 – 1715 | Photo taking and End of Day 1 Session | |
| 1715 – 2000 | Dinner (Academia) | |



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| Day 2 – 19th February 2019 | | Speakers |
|--|--|---|
| 0930 – 1030 | Visit to Singapore Civil Defence Force Headquarters (SCDF HQ) Control Room (Maximum 20 participants) | |
| 1030 – 1100 | Sharing by RAEDi Project Team (Venue: SCDF HQ Command Room) (Maximum 20 participants) | |
| 1100 – 1130 | Visit to Paya Lebar Fire Station (Next to SCDF HQ) (Maximum 20 participants) | |
| 1130 – 1200 | Travel from SCDF Headquarters to Academia (approximately 20 minutes) | |
| 1200 – 1300 | Lunch | |
| 1300 – 1345 | Group discussion on project <ul style="list-style-type: none"> - VS project - PAROS - Operations Research in Emergency Care | Prof Marcus Ong A/Prof Timothy Chan Prof Cai Wentong Dr. Sean Lam Dr. Benjamin Leong Dr. Ng Wei Ming Mr. Benjamin Leung |
| 1345 – 1430 | Group presentation (15 minutes for each theme) | |
| 1430 – 1500 | Tea Break | |
| 1500 – 1530 | Discussion on future project collaboration | |
| 1530 – 1600 | Discussion on next meeting | |
| 1600 – 1700 | Singapore General Hospital Emergency Department Tour (optional) and End of Day 2 Session | |