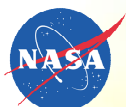


7-SEAS International Workshop of Technologies and Science on Transboundary Haze



At National Space Agency
(ANGKASA), Banting, Malaysia



September 22~24
2016



About 7-SEAS

Initiated in 2007, through a process with the US State Department and governments in Southeast Asia, NCAR Research Applications Laboratory, NASA AErosol RObotic NETwork (AERONET) program, and the Office of Naval Research international field offices, the 7 South East Asian Studies (7-SEAS) seeks to perform interdisciplinary research and develop a wide-ranging South East Asian scientific data network in the field of aerosol-meteorology and climate interaction in the region extending from Java through the Malay Peninsula and Southeast Asia to Taiwan.

In particular, 7-SEAS, a grass-root style program focuses on the following seven broad-based study topics:

1. Aerosol lifecycle and air quality;
2. Tropical meteorology;
3. Radiation and heat balance;
4. Clouds and precipitation;
5. Land processes and fire;
6. Physical and biological oceanography; and
7. Environmental characterization through satellite analyses, model predictions and verification.

About the workshop

We'll explore these studies in a two-day participatory workshop which aims to:

- share experiences and experimental outcomes among academics and scientists
- identify areas where future efforts should be focused
- build support networks among participants

Website: <http://www.nottingham.edu.my/conferences/7SEAS2016/index.aspx>

Project website: <http://7-seas.gsfc.nasa.gov/>

The Organizing Committee

Organized by

- University of Nottingham Malaysia Campus (UNMC)
- Universiti Teknologi MARA (UITM)
- National Space Agency (Angkasa)

Partners

- National Aeronautics and Space Administration (NASA), United States of America (USA)
- Office of Naval Research, USA
- Naval Research Laboratory, USA
- Universiti Sains Malaysia (USM), Malaysia
- Malaysia Meteorological Department (MMD), Malaysia
- Ministry of Science, Technology and Innovation (MOSTI), Malaysia

Sponsor

- Malaysia Convention and Exhibition Bureau (MyCEB), Malaysia

Chairperson: Professor Andy Chan, UNMC

Vice Chairman: Dr Lau Phei Li, UNMC

Secretariat: Dr Sandy Kok, UNMC

Team members:

Dr Zulkiflee Abd Latif, UITM	Dr Nor Aizam Adnan, UITM
Dr Matthew Ashfold, UNMC	Dr Parvez Anwar, UNMC
Dr Faye Chong, UNMC	Dr Ho Weang Kee, UNMC
Ms Zahira Mohd Radzi, Angkasa	Dr Kenobi Morris, UNMC
Dr Siti Aekbal Salleh, UITM	

DAY 1

22 Sept. 2016

Programme

Date and time	Event
0800 – 0830	Hotel pickup
0830 - 0900	Registration (Angkasa)
0900 – 0945	<u>Opening address</u> <ul style="list-style-type: none"> • Dr Ramzah Dambul, Deputy Secretary-General, MOSTI • Dr Noordin Ahmad, Director-General of Angkasa • Prof Andy Chan, Chairman of 7SEAS Workshop • Dr Ellsworth Judd Welton, NASA • Dr Jeff Reid, Naval Research Laboratory (NRL) • Souvenir presentation
0930 – 1100	<u>Overview of 7SEAS: Science and Technology</u> Beyond 7SEAS: Prospect for future aerosol science and applications in Southeast Asia, Dr Jeff Reid, NRL Overview of 7SEAS spring campaigns in northern Southeast Asia, Prof George Lin, National Central University Improved AERONET accuracy, quality and products: Version 3 processing implemented! Dr Brent Holben, NASA
1100 – 1115	Tea-break
1115 – 1300	<u>Workshop on measurements, remote sensing, and data processing</u> The possibility of real-time estimation of haze aerosol optical thickness of biomass burning in Southast Asia using remote sensing technique, Md Latifur Rahman Sarker, Universiti Teknologi Malaysia Satellite-surface perspective of air quality and aerosol cloud effects on the environment: an overview of the 7SEAS/BASELInE, Dr Tsay Si-chee and Dr Brent Holben, NASA A multi-platform system for understanding, monitoring and forecasting the impact of aerosol pollutants in Southeast Asia, Santo Salinas, National University of Singapore
1300 - 1400	Lunch & Poster-sessions

DAY 1 - *continued*

22 Sept. 2016

Programme

Date and time	Event
1400 – 1530	<u>Workshop on atmospheric chemistry</u> Source apportionment of PM _{2.5} during haze and non-haze episode in Kuala Lumpur city center, Prof Mohd Talib Latif, Universiti Kebangsaan Malaysia Cloud detection at night-time: algorithms and observations, Dr Nofel Lagrosas, Manila Observatory Daytime top-of-the-atmosphere cirrus cloud radiative forcing properties at Singapore in 2010 and 2011, Dr Simone Lolli, NASA Temporary relief during haze, Kwan Kok Foo, Malaysia Meteorology Department (MMD)
1530 - 1545	Tea-break & Poster-sessions
1545 – 1730	Break-out group discussions, Future planning of 7SEAS Group I: Measurements Group II: Modelling Group III: Others
1730 – 1830	Transportation to Saloma
1900 – 2100	Welcome dinner (Saloma)
2100 – 2200	Transportation back to hotel

DAY 2

23 Sept. 2016

Programme

Date and time	Event
0800 – 0830	Hotel pickup
0900 – 1030	<p><u>Workshop on transboundary haze modelling</u></p> <p>Rapid transport of East Asian pollution to the deep tropics, Dr Matthew Ashfold, UNMC</p> <p>Mesoscale modelling of cross-ocean regional-scale smoke transport over Southeast Asian Maritime Continents: an ensemble analysis of uncertainties, Prof Jun Wang, University of Iowa</p> <p>A case study of the uncharacteristic June 2013 haze episode: effect of tropical cyclone, Prof Andy Chan, UNMC</p>
1030 - 1100	Tea-break & Poster-sessions
1100 – 1230	Visit to Angkasa
1230 – 1300	Lunch & Poster-sessions
1300 – 1430	Friday prayers
1430 – 1530	<p><u>International topics</u></p> <p>Science updates by the Manila Observatory leading to CAMP2EX 2018, Dr Obie Cambaliza and Dr James Simpas, Manila Observatory</p> <p>Physical and optical characteristics of aerosol over an urban LIDAR station in Penang Island, Dr Lim Hwee San, USM</p> <p>Observational analysis of biomass burning impacts to Hong Kong, Dr Nicky Lam, City University of Hong Kong</p> <p>7SEAS, EANET and air quality situation in Indonesia, Prof Edvin Aldrian, Agency for Assessment and Application of Technology Indonesia</p>
1530 - 1600	<p>Tea-break</p> <p>Poster-sessions</p>

DAY 2 - *continued*

23 Sept. 2016

Programme

Date and time	Event
1600 – 1730	<u>Government-Academics-Industry round-table discussion</u> Haze in Southeast Asia, Dr Helena Varkkey, Universiti Malaya Jayaprakash Muralitharan, Ministry of National Resources and Environment, Ed Mat Rasul, YTL-SV Carbon Dr Matthew Ashfold, UNMC (Moderator)
1730 – 1900	<u>Final discussions and summary</u> Final discussions Dr Jeff Reid, NRL Dr Brent Holben, NASA Dr Ellsworth Judd Welton, NASA
1900 – 2030	Dinner (Angkasa)
2030 – 2100	Transportation back to hotel

DAY 3

24 Sept. 2016

Date and time	Event
0930 – 1000	Hotel pickup
1000 – 2000	Social event: Tour to Kuala Lumpur Putrajaya, Dataran Merdeka, Petronas Tower, Royal Selangor Visitor Centre, Batu Caves
2000 – 2100	Transportation back to hotel

Till we meet
next year 😊

Stay tuned