



**7-8 July 2018
Singapore**

Early bird registration and abstract submission is now open!



— **3rd Asia-Pacific Tele-Ophthalmology Society Symposium** —
BIG DATA ANALYTICS + ARTIFICIAL INTELLIGENCE EVOLUTION IN OPHTHALMOLOGY

The 2 day Symposium covers a wide range of exciting topics on the use of big data analytics and AI in tele-ophthalmology, including practicality, regulatory and ethical challenges of using big data in our public healthcare systems.

Industrial speakers from Google, NVIDIA and many others will share their insights on how AI can be an effective tool in real-world diagnostic, preventive and treatment patterns of ophthalmic conditions, especially in low access countries. Make a date with us !

Register at 2018.asiateleophth.org

Email: aptos2018@sneec.com.sg for more information

Organised by:



HIGHLIGHTS FOR APTOS 2018

**APTOS PROGRAMME DAY 1 · SATURDAY, 7 JULY 2018
9.00AM - 6.30PM · ACADEMIA AUDITORIUM**

Tour of Singapore's Primary care centre and the Singapore Integrated Diabetic Retinopathy Programme
(Limited to first 40 pax who sign up)

The first 40 delegates who sign up for the tour will be visiting one of the primary care centres in Singapore, Outram Polyclinic. During the visit, delegates will be given a tour of its facilities and the Singapore Integrated Diabetic Retinopathy Programme (SIDRP), via a live demonstration of the tele-ophthalmology platform.

Interested delegates may have their image taken for assessment by SORC readers for free.



Opening Session:

Richard Fan
Distinguished Lectureship 2018

**Artificial Intelligence in
Real World Screening**

Prof He Mingguang

Professor of Ophthalmic Epidemiology,
University of Melbourne, Centre of Eye Research Australia.

Scientific Keynotes Symposiums

Deep Learning System for Retinal Imaging

Dr Lily Peng, Google

**Recent Developments in Deep Learning and
Applications to Healthcare and Retinal Imaging**

A/Prof Philippe Burlina, John Hopkins University

**A Clinical AI System for Identifying Newborn
Infants at Risk of Vision Loss**

Dr Jochen Kumm, Stanford University

**Clinical applications and concepts of clinical
prediction model design**

Dr Gil Binenbaum, University of Pennsylvania

**Telemedicine and Artificial Intelligence for
retinopathy of prematurity: evolution in the
standard of care**

Prof Michael Chiang, Oregon Health & Science University

Artificial Intelligence in Tele-Ophthalmology

A/Prof Lama Al-Aswad, Columbia University Medical Centre

Round Table Discussions

This is a unique opportunity for delegates to share their knowledge, experience, and expertise on topics related to this year's theme – Artificial Intelligence and Big Data in Ophthalmology.

Welcome Reception



APTOS PROGRAMME DAY 2 • SUNDAY, 8 JULY 2018
9.00AM - 5.30PM • ACADEMIA AUDITORIUM

Symposium 1: Artificial Intelligence and Big Data Analytics

Dr Robert Chang, Dr Carol Cheung, Dr Daniel Ting, A/Prof Cheng Ching Yu, Prof Leopold Schmetterer, Dr Liu Yong

Symposium 2: Asia Tele-Ophthalmology Initiatives

Dr Colin Tan, Dr Nor Fariza Ngah, Dr Muhammad Bayu Sasongko, Dr Paisan Ruamviboonsuk, Dr Tengku Ain, Dr Karthik Srinivasan

Symposium 3: Legislation in Artificial Intelligence

Dr Sanghul Yoon

Free Paper Sessions 1 & 2: Presentation of Travel Award

INTERNATIONAL SPEAKERS

USA

Professor Michael Chiang

Principal Study Investigator,
Imaging and Informatics in Retinopathy of Prematurity
Oregon Health and Science University (OHSU)

A/Professor Lama Al-Aswad

Director of Tele-Ophthalmology Initiative,
Columbia University Medical Centre

Dr Robert Chang

Ophthalmologist, **Stanford University Medical Centre**
Vice-President, **Asia Pacific Tele-Ophthalmology Society**

Dr Lily Peng

Product Manager, **Google Health Inc**

Dr Gil Binenbaum

Director of Inpatient Ophthalmology Consultation Service,
Children's Hospital of Philadelphia

Dr Jochen Kumm

Director, Biomath, **Stanford Genome Technology Centre**

Dr Philippe Burlina

Associate Professor, **Applied Physics Lab,**
John Hopkins University

ASIA-PACIFIC

Professor He Mingguang

Professor of Ophthalmic Epidemiology,
University of Melbourne, Centre of Eye Research, Australia
President, **Asia Pacific Tele-Ophthalmology Society**

Dr Carol Cheung

Department of Ophthalmology & Visual Sciences,
The Chinese University of Hong Kong

Dr Muhammad Bayu Sasongko

Clinician-Scientist, **Gadjah Mada University**

Dr Paisan Ruamviboonsuk

Assistant Director,
Centre of Medical Excellence Rajavithi Hospital

Dr Nor Fariza Ngah

National Head of Ophthalmology Services,
Ministry of Health, Malaysia

Associate Professor Tengku Ain

Department of Ophthalmology, Faculty of Medicine,
University of Malaya

Professor Wong Tien Yin

Medical Director, **Singapore National Eye Centre**
Vice-Dean, **Duke-NUS Medical School**
Deputy Group CEO (Research & Education), **SingHealth**

Dr Gavin Tan

Consultant, **Singapore National Eye Centre**
Clinical Director, **SNEC Ocular Reading Centre**

Dr Daniel Ting

Associate Consultant, **Singapore National Eye Centre**

Professor Leopold Schmetterer

Scientific Director and Head of Ocular Imaging,
Singapore Eye Research Institute

Professor of Ophthalmology,
Lee Kong Chian, School of Medicine,
Nanyang Technological University

Associate Professor Cheng Ching-Yu

Principal Clinician Scientist, **Singapore Eye Research Institute**
Senior Clinician Scientist, **Singapore National Eye Centre**

Dr Liu Yong

Scientist, Computing Science
Institute of High Performance Computing (IHPC), A*STAR

Dr Sanghul Yoon

Ophthalmologist, **Yonsei University, South Korea**

Dr Karthik Srinivasan

Medical Officer, **Aravind Eye Hospital**

Registration Categories	Early Bird Rate (On Or Before April 30, 2018)		Advance Rate (On or Before June 30, 2018)		On-Site Rate (July 7-8, 2018)	
	SG	US	SG	US	SG	US
1. APTOS Member Full Conference	SG\$360	US\$270	SG\$460	US\$350	SG\$525	US\$400
2. Non-Member Full Conference	SG\$400	US\$300	SG\$500	US\$380	SG\$580	US\$440
3. APTOS Member 1 Day Conference	SG\$225	US\$170	SG\$280	US\$210	SG\$315	US\$240
4. Non-Member 1 Day Conference	SG\$265	US\$200	SG\$330	US\$250	SG\$370	US\$280
5. Data Scientist / Administrator / Non Healthcare professional	SG\$360	US\$270	SG\$460	US\$350	SG\$525	US\$400
6. Trainee / Retired Ophthalmologist Aged 65+	SG\$265	US\$200	SG\$330	US\$250	SG\$370	US\$280
7. Trade Delegate*	SG\$330	US\$250	SG\$420	US\$320	SG\$500	US\$380
8. Developing Nations (<i>Rank 101 or below</i>)	SG\$180	US\$135	SG\$250	US\$190	SG\$290	US\$220
9. Predoctoral or Postgraduate Students	SG\$180	US\$135	SG\$250	US\$190	SG\$290	US\$220
10. Companion	SG\$265	US\$200	SG\$330	US\$250	SG\$370	US\$280

Group discounts will be given with > 5 delegates from the same institution. For group registration, please contact aptos2018@snec.com.sg

For sponsorship opportunities, please visit 2018.asiateleophth.org for more details.

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