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@snecc.com.sg for more information
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

A Clinical AI System for Identifying Newborn Infants at Risk of Vision Loss
Dr Jochen Kumm, Stanford University

Telemedicine and Artificial Intelligence for retinopathy of prematurity: evolution in the standard of care
Prof Michael Chiang, Oregon Health & Science University

Recent Developments in Deep Learning and Applications to Healthcare and Retinal Imaging
A/Prof Philippe Burlina, John Hopkins University

Clinical applications and concepts of clinical prediction model design
Dr Gil Binenbaum, University of Pennsylvania

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

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

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 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

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 Sangchul Yoon
Ophthalmologist, Yonsei University, South Korea

Dr Karthik Srinivasan
Medical Officer, Aravind Eye Hospital
## Registration Categories

<table>
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<tr>
<th>Registration Categories</th>
<th>Early Bird Rate</th>
<th>Advance Rate</th>
<th>On-Site Rate</th>
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<tbody>
<tr>
<td>1. APTOS Member Full Conference</td>
<td>SG$360 US$270</td>
<td>SG$460 US$350</td>
<td>SG$525 US$400</td>
</tr>
<tr>
<td>3. APTOS Member 1 Day Conference</td>
<td>SG$225 US$170</td>
<td>SG$280 US$210</td>
<td>SG$315 US$240</td>
</tr>
<tr>
<td>5. Data Scientist / Administrator / Non Healthcare professional</td>
<td>SG$360 US$270</td>
<td>SG$460 US$350</td>
<td>SG$525 US$400</td>
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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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