

# AGENDA

27-28 APRIL  
SINGAPORE

# DEEP LEARNING SUMMIT

#REWORKDL

@reworkDL

Wifi: rework2017

pw: rework2017

## DAY 1

08:30 REGISTRATION

09:15 WELCOME

Nick White, AI Specialist, **Zeroth.ai** @zeroth\_ai

### DEEP LEARNING THEORY AND FRAMEWORKS

09:30 - 09:50 Deep Learning with PAI: A Case Study Of AliMe

Jun Yang, Algorithm Architect, **Alibaba** @Alibabagroup  
Minghui Qiu: Senior Algorithm Engineer, **Alibaba** @Alibabagroup

09:50 - 10:10 Against "Fraudulent Transaction" with Deep Neural Network

Hendri Karisma, Senior Software Engineer, **bibli.com** @biliblidotcom

10:10 - 10:30 Towards Datacenter-Scale Deep Learning with Efficient Networking

Li Chen, PhD Candidate, **HKUST** @crays

10:30 - 10:50 Natural Language Processing for Deep Learning

Vikramank Singh, Software Engineer, **Facebook** @vikramank14

10:50 - 11:30 COFFEE

### COMPUTER VISION

11:30 - 11:50 Scene Segmentation with Deep Neural Networks

Bing Shuai, PhD Student, **Nanyang Technological University** @NTUsg

11:50 - 12:10 Image Aesthetics Assessment

Amit Kushwaha, Machine Learning Engineer, **Zomato** @kushwahamit2016

12:10 - 12:30 Automatic Camera Calibration for Traffic Surveillance Using Computer Vision

Somnath Mukherjee, Senior Computer Vision Engineer, **Continental** @continentaltire

12:30 - 13:40 LUNCH

13:40 - 14:00

**From Flat To Depth: A Learning Journey**

Gilbert Lim, Research Fellow, **National University of Singapore** @NUSingapore

### NATURAL LANGUAGE UNDERSTANDING

14:00 - 14:20

**Evie, Deep Learning & Natural Language Understanding**

Jin Hian Lee, Co-Founder, **mimetic.ai** @mimeticdotai

14:20 - 14:40

**Advances in Production Speech Recognition Models**

Anuroop Sriram, Research Scientist, **Baidu Silicon Valley AI Lab** @BaiduResearch

14:40 - 15:00

**Semantic Role Labelling in Indonesian Texting Language Using Deep Learning**

Valdi Rachman, Software Engineer, **Kata.ai**

15:00 - 15:40

COFFEE

### DEEP LEARNING INFRASTRUCTURE

15:40 - 16:00

**Hyperparameter Optimization: The Great Conundrum**

Ritchie Ng, Deep Learning Research Assistant, **NUS** @RitchieNg

### INVESTING IN AI

16:00 - 16:20

**Applications of Artificial Intelligence: Opportunities & Challenges in Asia**

Ayesha Khanna, CEO & Co-Founder, **ADDO AI** @ayeshakhanna1

16:20 - 17:00

**PANEL: What Are The Key Opportunities & Barriers For Investing In AI?**

Sian W. Tan, Operating Advisor, **Monk's Hill Ventures** @monkshillvc

Tiang Lim Foo, Operating Partner, **SeedPlus** @tianglim

Yiping Goh, Venture Partner, **Quest Ventures** @questventures01

**Moderator:** Julian Low, Executive Director, **Vertex Ventures** @vertexventures

17:00 - 18:00

**Conversation & Drinks on the Terrace**

## DAY 2

08:30 DOORS OPEN

09:15 WELCOME

Chris Boesch, Associate Professor, National University of Singapore @NUSingapore

### APPLICATIONS OF DEEP LEARNING IN INDUSTRY

09:30 - 09:50 Transforming Green & Sustainable Datacenter in Tropics with Machine Learning

Gary Zhang Ge, Research Engineer, School of Computer Engineer, NTU @NTUsg

09:50 - 10:15 The Fovea as an Emergent Property of Visual Attention

Brian Cheung, PhD Student, UC Berkeley & Google Brain @UCBerkeley

10:15 - 11:00 Detecting Diabetic Retinopathy with Convolutional Neural Networks

Jeffrey de Fauw, Research Engineer, DeepMind @deepmindai

11:00 - 11:40 COFFEE

11:40 - 12:00 Security & Privacy in Machine Learning

Nicolas Papernot, Google PhD Fellow in Security, Penn State University @nicolaspapernot

### STARTUP SESSION

12:00 - 12:15 Non-Traditional Applications of DL to Autonomous Driving

Yap Jia Qing, Executive Lead and Perception (Computer Vision), OpenSourceSDC

12:15 - 12:30 Building Algorithms You Can Trust

Shubham Jain, Deep Learning Scientist, Qure.ai @shubhamjain0594

12:30 - 13:40 LUNCH

13:40 - 14:00 DT42: Bring Visual Intelligence to Edge Devices

Jocelyn Chen, Head of Research, DT42

14:00 - 14:15 Deploying Deep Learning with Edge Computing

Annabelle Kwok, Founder & CEO, SmartCow @Smartcow\_AI

14:15 - 14:30

Planning Ahead with Data Centred Design

Vaisagh Viswanathan, CTO, [impress.ai](#) @impressai

14:30 - 15:00

PANEL: Is 2017 the Year for Asian Dominance in AI?

Bidushi Bhattacharya, Founder, [Astropreneurs HUB](#) @astro\_bidushi

Chris Boesch, Associate Professor, [National University of Singapore](#) @NUSingapore

Nick White, AI Specialist, [Zeroth.ai](#) @zeroth\_ai

**Moderator:** Ayesha Khanna, CEO & Co-Founder, [ADDO AI](#) @ayeshakhanna1

15:00

END OF SUMMIT