



Tuesday, 30 January

08:00 **Registration & Welcome Coffee**

09:00 **Opening Remarks by the Emcee**

Mike North, Host, Discovery Channel

09:10 **Building a Community of Innovation**

Zee Kin Yeong, Assistant Chief Executive, IMDA

Presenting Partner



09:30 **Future Cities**

Enabling Competitive Asian Economies with Hyperloop

Paul Smith, Global Field Operations Manager, Hyperloop One

Cooling Singapore: A Citizen Design Science Approach

Gerhard Schmitt, Director, Singapore-ETH Centre

10:10 **Bridging the Deep Tech Gap: From Research to Commercialisation**

Steve Leonard, Founding CEO, SGInnovate

Presenting Partner



10:30 **Meet the Innovators Under 35**

Bee Luan Khoo, Senior Post-Doctoral Research Associate, SMART

Chun-Hao Huang, Cofounder and CEO, CLINICAL Inc

Yok Hian Chionh, Assistant Director, Tychan Pte Ltd

10:45 **Networking Coffee Break**

11:15 **Rewriting Life: Bioengineering and Precision Medicine**

Moderated by Steven Tucker, Chief Medical Officer, CXA Group & Founder, Tucker Medical

Epi-Everything: The Explosion of Information Beyond the Genome

Peter Dedon, Underwood-Prescott Professor of Biological Engineering, MIT

Let's Get Personal: Your Microbiome, Your Blood Sugar and You

Yuval Ofek, Cofounder and Chairman, DayTwo

Artificial Intelligence and Microbes to Feed Our World

Diane Wu, Cofounder, Trace Genomics

(Please refer to the next page for the fourth speaker of this session)

**Schedule is subject to change*

Download the agenda at www.emtechasia.com/agenda

How We Built Our Machine Intelligence to Help Doctors Save Lives

Zainul Charbiwala, Cofounder and CTO, Tricog Health

12:35 **Networking Lunch Break**

13:35 **World of Immersive Media: Augmented and Virtual Reality**

Exploring the Future of AR/VR

Alvin Wang Graylin, China Regional President of Vive, HTC

Grokking XR

Brett Bibby, VP of Engineering, Unity Technologies

Sony Computer Science Labs' Latest Breakthroughs in XR

Jun Rekimoto, Deputy Director, Sony Computer Science Laboratories, Inc.

14:35 **Quantum Computing and Quantum Security**

Moderated by Mark Shmulevich, Chief Strategy and Operations Officer, Acronis

Quantum-Safe Transition: How to Future Proof Critical Infrastructure

Grégoire Ribordy, CEO and Vice Chairman of Board, ID Quantique

Quantum Software

Joseph Fitzsimons, Assistant Professor, Singapore University of Technology and Design

Quantum Mendeleev Table

Serguei Belousov, Chairman and CEO, Acronis

15:35 **Networking Coffee Break**

16:05 **Meet the Innovators Under 35**

Ajay Prakash Kottapalli, Research Scientist, SMART

Weibo Gao, Nanyang Assistant Professor, School of Physical & Mathematical Science, NTU

Min Hao Wong, Candidate for PhD in Chemical Engineering, MIT

16:20 **Technology, Jobs and the Future of Work**

Growing in a Corporate Environment: Management or Technology Ladder?

Michael Condry, President, IEEE Technology and Engineering Management Society (TEMS)

Maximising Human Potential in the Age of AI

Vivienne Ming, Cofounder and Managing Partner, Socos

17:00 **Investing in the Future**

Consumer Internet: Lessons from China and the US for Global Entrepreneurs

Hans Tung, Managing Partner - Silicon Valley, GGV Capital

17:20 **Networking Cocktail Reception**

19:00 **End of Day One**

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Wednesday, 31 January

08:00 **Registration & Welcome Coffee**

09:00 **Opening Remarks by the Emcee**

Mike North, Host, Discovery Channel

09:10 **Artificial Intelligence I**

Moderated by **Will Knight**, Senior Editor for AI, MIT Technology Review

Latest Breakthroughs from Tencent AI Lab

Tong Zhang, Executive Director Tencent, AI Lab

A Chinese AI Startup Journey

Shuang Wu, Scientist, YITU Tech

New Challenges in Artificial Intelligence

Oriol Vinyals, Research Scientist, Google Deepmind

Presenting Partner



10:15 **Networking Coffee Break**

11:00 **Artificial Intelligence II**

Fueling the AI Revolution: Efficient Methods and Hardware for Deep Learning

Bill Dally, Chief Scientist, NVIDIA

Bridging the Gap between Silicon Memory and Intelligence with Neuromorphic Chip

Pierre Brunswick, CEO, NeuroMem

From Machine Learning to the Science and the Engineering of Intelligence

Tomaso Poggio, Eugene McDermott Professor of Brain and Cognitive Sciences, McGovern Institute, MIT

Presenting Partner



12:00 **Industry 4.0: Internet of Things, Robotics and Automation**

Building Tomorrow's Smart Factory, Today

Gerald Wong, President and CEO, Cambridge Industries Group

12:20 **Networking Lunch Break**

13:30 **The 10 Billion Population Challenge**

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The 10 Billion Population Challenge: Energy, Food and Water for All

Tim Jones, Programme Director, Future Agenda

Innovating Towards an All-Electric Future

Donald Sadoway, John F. Elliott Professor of Materials Chemistry, MIT

The Wind and Solar Powered Drones Quantifying Our Planet

Sebastien De Halleux, COO, Saildrone

14:30 **Meet the Innovators Under 35**

Anjali Jaiprakash, Advance Queensland Research Fellow, Queensland University of Technology

Qilin Wang, ARC DECRA Fellow & Lecturer, Griffith University

Wesley Zheng Guangyuan, Scientist, IMRE, A*STAR

Jiashi Feng, Assistant Professor, National University of Singapore

14:50 **Ceremony Honouring the Innovators Under 35**

15:00 **Networking Coffee Break**

15:25 **New Frontiers in Space and Aerospace Innovation**

Moderated by Jonathan Hung, President, Singapore Space and Technology Association

Whither the Space Enterprise

Daniel Hastings, CEO and Director, SMART

Small Sats to LEO, on the Cheap

Adam Gilmour, CEO, Gilmour Space Technologies

Modeling and Shaping Technological Progress in Complex Aerospace Systems

Olivier de Weck, Senior Vice President for Technology Planning and Roadmapping, Airbus

Reliability and Affordability, the Case for Reusable Space Launch Systems

Shana Diez, Director of Build Reliability, SpaceX

17:00 **Close of Conference**
