

GBA International Artificial Intelligence and Robotics Summit

粵港澳大灣區
國際人工智能與機器人
高峰會

2024

Organiser 主辦機構



Funding Organisation 資助機構



Summit Introduction and Featured Speakers

高峰會簡介及演講嘉賓

GBA International Artificial Intelligence and Robotics Summit 2024

粵港澳大灣區國際人工智能與機器人高峰會2024

The Hong Kong Productivity Council (HKPC) has played a pivotal role in accelerating the development of new productive forces, promote new industrialisation, and facilitate the application of AI and robotics technologies. HKPC is taking the lead in organising the annual “GBA International Artificial Intelligence and Robotics Summit 2024”. The summit will feature 14 international speakers from Germany, Israel, Singapore, Switzerland, the United Kingdom and China to share trends and discuss AI and robotics technology in advanced manufacturing, new energy, life and health technologies, large language models, and human-robot interaction.

香港生產力促進局（生產力局）一直致力於驅動新質生產力的發展，推動新型工業化，及促進人工智能和機器人技術的應用。今年生產力局再次舉辦年度盛事「粵港澳大灣區國際人工智能與機器人高峰會2024」，邀請到14位來自德國、以色列、中國、新加坡、瑞士及英國的頂尖院士及業界專家及初創企業，分享人工智能與機器人的發展趨勢與機遇，並探討包括先進製造、新能源科技、生命健康科技、大模型、人機互動等熱門領域。



Professor Björn ESKOFIER
Head, Machine Learning and Data Analytics Lab
University of Erlangen—Nuremberg, Germany
麥爾朗維爾-紐倫堡大學機器學習與資料分析實驗室主任



Professor Angelo CANGELOSI
Professor of Machine Learning and Robotics,
University of Manchester, UK
Co-Director and Founder, Manchester Centre
for Robotics and AI
英國曼徹斯特大學機器學習與機器人學教授
曼徹斯特機器人與人工智慧中心聯合主任和創辦人



Mr Jens-Peter BRAUNER
Chief Executive Officer, Siemens Mobility Ltd (Hong Kong)
Siemens Mobility Ltd (香港) 行政總裁



Professor Qiang YANG
楊強教授
Fellow of Royal Society of Canada and Canadian
Academy of Engineering
Professor Emeritus, Hong Kong University of
Science and Technology
Chief Artificial Intelligence Officer, WeBank
加拿大工程院及加拿大皇家學院院士
香港科技大學榮休教授
微眾銀行首席人工智能官



Dr Marko BJELONIC
Chief Executive Officer & Co-Founder,
Swiss—Mile
Swiss—Mile首席執行官兼聯合創始人



Dr Jacob HURST
Co-founder and Chief Technology Officer,
Etcembly
Etcembly聯合創始人兼首席技術總監, Etcembly



Dr-Ing Benny DRESCHER
Chief Technical Officer, FLAIR
香港工業人工智能及機械人研發中心首席技術總監



Professor Tong Boon QUEK
郭忠文教授
Chief Executive, National Robotics Programme, Singapore
新加坡國家機器人計畫首席執行官



Professor Archan MISRA
Vice Provost (Research); Lee Kong Chian
Professor of Computer Science,
Singapore Management University
新加坡管理大學李光前電腦科學教授、
研究副校長



Professor Jianping WANG
汪建平教授
Dean,
College of Computing
Chair Professor,
Department of Computer Science
City University of Hong Kong
香港城市大學計算學院院長、
電腦科學系講座教授



Dr Yu ZHENG
鄭宇博士
Vice Dean
UBTECH Research Center and Founder,
Humanoid Robotics Scientist
優必選研究院副院長兼人形機器人科學家



Mr Aleksandr TIMOFEEV
Chief Executive Officer and Founder,
POLYN Technology
PolyN Technology首席執行官兼創始人



Professor Kwok Wai Samuel AU
Founder and Chief Executive Officer,
Cornerstone Robotics Limited
康諾思騰創始人兼首席執行官



Ms Cici CHEN
陳曦小姐
Chairwoman, Tianji Intelligent & Robot
天機智能主席

Agenda 活動議程

9:00 — 9:30

Agenda 議程

Guests and Media Registration
嘉賓和媒體登記

9:30 — 10:05

Opening Session 開幕

Welcoming Speech
歡迎辭

Mr Emil YU Chen-on, BBS, JP
于健安先生, BBS, JP

Deputy Chairman, Hong Kong Productivity Council
香港生產力促進局副主席

Opening Speech
開幕辭主禮嘉賓

Professor Dong SUN, JP
孫東教授

Secretary for Innovation, Technology and Industry of HKSAR
香港特別行政區政府創新科技及工業局局長

Group Photo
大合照

10:05 — 10:25

Seminar 主題演講

Future Trends in AI: Challenges and Opportunities
人工智能的未來趨勢：挑戰與機遇

Professor Björn ESKOFIER

Head, Machine Learning and Data Analytics Lab

Head of the Chair, Department Artificial Intelligence in Biomedical Engineering

University of Erlangen—Nuremberg, Germany

德國埃爾朗根-紐倫堡大學機器學習與資料分析實驗室主任及生物醫學工程系人工智能系主席

10:25 — 10:30

Q&A Session
問答環節

10:30 — 10:50

SG Robotics — Catalysing Capabilities, Capturing Value
機器人技術：引領能力的提升與價值的創造

Professor Tong Boon QUEK

郭忠文教授

Chief Executive, National Robotics Programme, Singapore

新加坡國家機器人計畫首席執行官

10:50 — 10:55

Q&A Session
問答環節

10:55 — 11:05

Break
小休

11:05 — 11:25

Cognitive Robotics and AI: From Babies to Robots
認知機器人與人工智能：探索從嬰兒到機器人的發展歷程

Professor Angelo CANGELOSI

Professor, Machine Learning and Robotics, University of Manchester, United Kingdom

Co-director and Founder, the Manchester Centre for Robotics and AI

英國曼徹斯特大學機器學習和機器人學教授、曼徹斯特機器人與人工智能中心聯合主任和創始人

11:25 — 11:30

Q&A Session
問答環節

11:30 — 11:50

**AI in Autonomous Driving and New Energy Vehicles:
Opportunities and Challenges**

自動駕駛和新能源汽車中的人工智能：機遇和挑戰

Professor Jianping WANG

汪建平教授

Dean, College of Computing

Chair Professor, Department of Computer Science

City University of Hong Kong

香港城市大學計算學院院長及電腦科學系講座教授

11:50 — 11:55

Q&A Session
問答環節

11:55 — 12:15

Using AI to Accomplish Human Robot Co-Working
以人工智能推動人機協作的實現

Professor Archan MISRA

亞詹·米斯拉教授

Vice Provost (Research); Lee Kong Chian Professor of Computer Science,

Singapore Management University

新加坡管理大學副教務長(研究)及李光前電腦科學教授

12:15 — 12:20

Q&A Session
問答環節

12:20 — 14:00

Lunch and Tour in “Future Manufacturing Hall”
午膳及參觀「新質生產力展館」

14:00 — 14:20

The Future of Smart City with AI — Smart Mobility Perspectives
人工智能引領智慧城市的未來 - 智慧出行的全新視角

Mr Jens-Peter BRAUNER

Chief Executive Officer, Siemens Mobility Ltd (Hong Kong)

Siemens Mobility Ltd (香港) 行政總裁

14:20 — 14:25

Q&A Session
問答環節

14:25 — 14:45

Security and Privacy Protection in the Future Era of Artificial Intelligence

人工智能未來時代的安全和隱私保護

Professor Qiang YANG

楊強教授

Fellow of Royal Society of Canada and Canadian Academy of Engineering

Professor Emeritus, Hong Kong University of Science and Technology

Chief Artificial Intelligence Officer, WeBank

加拿大工程院及加拿大皇家學院院士

香港科技大學榮休教授

微眾銀行首席人工智能官

14:45 — 14:50

Q&A Session

問答環節

14:50 — 15:10

The Future of Humanoid Robotics: Transforming Industries with Intelligent Automation

人形機器人未來：智能自動化如何變革產業

Dr Yu ZHENG

鄭宇博士

Vice Dean

UBTECH Research Center and Humanoid Robotics Scientist

優必選研究院副院長兼人形機器人科學家

15:10 — 15:15

Q&A Session

問答環節

15:15 — 15:30

Break

小休

15:30 — 16:00

Technology Sharing by Startups

初創企業技術分享環節

1. Dr Marko BJELONIC

Chief Executive Officer and Co-Founder, Swiss—Mile

Swiss—Mile首席執行官兼聯合創始人

2. Dr Jacob HURST

Chief Technology Officer and Co-Founder, Etcembly

Etcembly聯合創始人兼首席技術總監

3. Mr Aleksandr TIMOFEEV

Chief Executive Officer and Founder, POLYN Technology

PolyN Technology首席執行官兼創始人

4. Professor Kwok Wai Samuel AU

歐國威教授

Founder and Chief Executive Officer, Cornerstone Robotics Limited

康諾思騰創始人兼首席執行官

5. Dr-Ing Benny DRESCHER

Chief Technical Officer, FLAIR

香港工業人工智能及機械人研發中心首席技術總監

6. Ms Cici CHEN

陳曦小姐

Chairwoman, Tianji Intelligent & Robot

天機智能主席

16:00 — 16:30

Roundtable Forum: Collaborative Approaches and Technologies for Advancing Robotics and AI Innovation 圓桌論壇: 推進機器人和人工智能創新的協作方法和技術

Compere

主持人

Dr Lawrence Chi-Chong CHEUNG

張梓昌博士

Chief Technology Officer (Acting) , Hong Kong Productivity Council

香港生產力促進局首席技術總監 (署理)

論壇嘉賓 (排名不分先後)

Forum Panelists (in no particular order)

1. Dr Marko BJELONIC

Chief Executive Officer and Co-Founder, Swiss—Mile

Swiss—Mile首席執行官兼聯合創始人

2. Dr Jacob HURST

Co-Founder and Chief Technology Officer, Etcembly

Etcembly聯合創始人兼首席技術總監

3. Mr Aleksandr TIMOFEEV

Chief Executive Officer and Founder, POLYN Technology

PolyN Technology首席執行官兼創始人

4. Professor Kwok Wai Samuel AU

歐國威教授

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5. Dr-Ing Benny DRESCHER

Chief Technical Officer, FLAIR

香港工業人工智能及機械人研發中心, 首席技術總監

6. Ms Cici CHEN

陳曦小姐

Chairwoman, Tianji Intelligent & Robot

天機智能主席

Q&A Session

問答環節

End

活動完結

16:30 — 16:40

16:40

*The agenda is subject to change without notice

*議程內容如有更改，恕不另行通知



Professor Björn ESKOFIER

Head, Machine Learning and Data Analytics Lab
Head of the Chair, Department of Artificial Intelligence in Biomedical Engineering
University of Erlangen—Nuremberg, Germany
德國埃爾朗根-紐倫堡大學機器學習與資料分析實驗室主任
及生物醫學工程系人工智能系主席

Björn M. Eskofier heads the Machine Learning and Data Analytics (MaD) Lab at the Friedrich-Alexander-University Erlangen-Nuernberg (FAU). He is also the founding spokesperson of FAU's Department Artificial Intelligence in Biomedical Engineering (AIBE), spokesperson of the German Ministry of Economic Affairs and Climate Action GAIA-X usecase project "TEAM-X" and a PI in the European infrastructure project Testing and Experimentation Facility Health AI and Robotics (TEF-Health). Since April 2023, he is an associate principal investigator and leader of the research group "Translational Digital Health" at the Helmholtz Zentrum Munich.

Dr. Eskofier authored more than 400 peer reviewed articles, holds 5 patents, started three spinoff startup companies, and is in a supporting role for further startups. He won several medical-technical research awards, including the "Curious Minds" award 2021 in "Life Sciences" by Manager Magazin and Merck and the "Unipreneurs" award 2023 from the German Minister of Education and Research and the German Minister for Economy. In 2016, he was a visiting professor at Harvard Medical School (February-March), in 2018, he was a visiting professor at MIT Media Lab (March-August), and in 2023 (April-August), he was a visiting professor in Prof. Scott Delp's NMBL lab that is part of Stanford University's Schools of Engineering and Medicine.

Björn M. Eskofier 是愛爾朗根-紐倫堡大學（以下簡稱FAU）機器學習和數據分析（MaD）實驗室的負責人。他也是FAU生物醫學工程人工智能系（AIBE）的創始發言人，德國經濟事務和氣候行動部GAIA-X用例項目“TEAM-X”的發言人，以及歐洲基礎設施項目測試和實驗設施健康人工智能和機器人（TEF-Health）的項目負責人。自2023年4月以來，他一直是慕尼黑亥姆霍茲中心“轉化數字健康”研究小組的副首席研究員和負責人。

Eskofier博士撰寫了400多篇同行評審文章，擁有5項專利，創辦了三家衍生初創公司，併為更多的初創公司提供支持。他獲得了多項醫學技術研究獎項，包括2021年Manager Magazin and Merck在“Life Sciences”類別頒發的“Curious Minds”獎，以及2023年德國教育和研究部長和德國經濟部長頒發的“Unipreneurs”獎。分別在2016、2018、2023年在哈佛醫學院、麻省理工學院媒體實驗室和斯坦福大學工程與醫學院Scott Delp教授的NMBL實驗室擔任客座教授。



Professor Tong Boon QUEK 郭忠文教授

Chief Executive, National Robotics Programme, Singapore
新加坡國家機器人計畫首席執行官

Professor Quek Tong Boon has been the Chief Executive of the Singapore National Robotics Programme since its inception in 2016. He also chairs the PUB (Singapore's national water agency) Water Technology Advisory Panel and sits in various other public sector committees. They include the Committee of Government Scientific Advisors, the Scientific Advisory Panel of the Ministry of National Development, and the International Advisory Panel of the Civil Aviation Authority of Singapore.

His past appointments in the public sector included being the Chief Defence Scientist of the Ministry of Defence (MINDEF) and its Deputy Secretary (Technology and Transformation), Chief Research and Technology Officer, and Chief Information Officer between 2002 to 2016. He was the Chief Scientific Advisor of the Ministry of Trade and Industry from 2017 till Mar 2023.

In the 90s and 2000s, Prof Quek was CEO of DSO National Laboratories(DSO) and helmed the Defence Materiel Organisation (predecessor organization to today's DSTA — Defence Science and Technology Agency). He also chaired the Intellectual Property Office of Singapore(IPOS) and sat on the Boards of various public sector organisations and agencies such as DSTA, DSO, SingTel, Singapore Technologies, PUB, A*STAR and the Singapore University of Technology and Design(SUTD).

An engineer by training, Prof Quek is an adjunct professor at the College of Design and Engineering at the National University of Singapore. He is also a Honorary Fellow of the Institute of Engineers, Singapore and a Fellow of the Academy of Engineering, Singapore.

郭忠文教授自2016年新加坡國家機器人計劃成立以來一直擔任該計劃的首席執行官。他還擔任新加坡國家水務局技術諮詢小組主席。其中包括政府科學顧問委員會，國家發展部科學諮詢小組和新加坡民航局國際諮詢小組。

他在2002年至2016年間擔任國防部首席國防科學家以及副秘書長（技術和轉型），首席研究和技術官以及首席信息官。2017年至2023年3月擔任貿易和工業部首席科學顧問。

在20世紀90年代和21世紀初，郭教授擔任DSO國家實驗室的首席執行官，並領導國防物資組織。他還擔任新加坡知識產權局主席，及公共部門組織的董事會成員。

作為一名有經驗的工程師，郭教授是新加坡國立大學設計與工程學院的兼職教授。他也是新加坡工程師學會榮譽院士和新加坡工程院院士。



Professor Angelo CANGELOSI

Professor of Machine Learning and Robotics,
University of Manchester, UK
Co-Director and Founder, Manchester Centre
for Robotics and AI
英國曼徹斯特大學機器學習與機器人學教授
曼徹斯特機器人與人工智慧中心聯合主任和創辦人

Angelo Cangelosi is Professor of Machine Learning and Robotics at the University of Manchester (UK) and co-director and founder of the Manchester Centre for Robotics and AI. He was selected for the award of the European Research Council (ERC) Advanced grant (UKRI funded). His research interests are in cognitive and developmental robotics, neural networks, language grounding, human robot-interaction and trust, and robot companions for health and social care. Overall, he has secured over £40m of research grants as coordinator/PI, including the ERC Advanced eTALK, the UKRI TAS Trust Node and CRADLE Prosperity, the US AFRL project CASPER++, and numerous Horizon and MSCAs grants. Cangelosi has produced more than 300 scientific publications. He is Editor-in-Chief of the journals Interaction Studies and IET Cognitive Computation and Systems, and in 2015 was Editor-in-Chief of IEEE Transactions on Autonomous Development. He has chaired numerous international conferences, including ICANN2022 Bristol, and ICDL2021 Beijing. His book “Developmental Robotics: From Babies to Robots” (MIT Press) was published in January 2015, and translated in Chinese and Japanese. His latest book “Cognitive Robotics” (MIT Press), coedited with Minoru Asada, was recently published in 2022.

Angelo Cangelosi是曼徹斯特大學（英國）機器學習和機器人學教授，也是曼徹斯特機器人和人工智能中心的聯合主任和創始人。他被選為歐洲研究理事會（ERC）高級資助（UKRI資助）的獲獎者。他的研究方向是認知和發展型機器人，神經網絡，語言基礎，人機交互和信任，以及用於健康和社會護理的陪伴機器人。總體而言，他作為協調員或首席研究員獲得了超過4000萬英鎊的研究資助，包括ERC Advanced eTALK，UKRI TAS Trust Node和CRADLE Prosperity，美國AFRL項目CASPER++以及眾多Horizon和MSCA資助。他發表了300多篇科學刊物。他是《Interaction Studies》和IET《Cognitive Computation and Systems》雜誌的主編，並於2015年擔任IEEE《Transactions on Autonomous Development》的主編。他主持過許多國際會議，包括ICANN2022Bristol和ICDL2021 Beijing。他的著作《Developmental Robotics: From Babies to Robots》（麻省理工學院出版社）於2015年1月出版，並被翻譯成中文和日文。他與Minoru Asada合著的最新著作《Cognitive Robotics》（麻省理工學院出版社）於2022年出版。



Professor Jianping WANG 汪建平教授

Dean,
College of Computing
Chair Professor,
Department of Computer Science
City University of Hong Kong
香港城市大學計算學院院長、
電腦科學系講座教授

Prof. Jianping Wang is a Chair Professor of Computer Science and Dean of the College of Computing at the City University of Hong Kong. Previously, she served as the Associate Provost (Quality Assurance and Accountability) and Associate Provost (Academic Affairs) from 2023-2024, Assistant Provost (Quality Assurance and Strategic Planning) from 2020-2023 at the City University of Hong Kong.

Her research interests are autonomous driving, networking systems, and cloud computing. Her research has been sponsored by various funding agencies and transferred to industry companies. Her team has developed state-of-the-art solutions for the security and safety of autonomous driving, winning the championship in the CVPR 2024 Argoverse 2 Multi-Agent Motion Forecasting Challenge, the championship in the 2024 Waymo Open Dataset Sim Agents Challenge, 2nd place in the 2024 Waymo Open Dataset Motion Prediction Challenge, champion of 17th F1Tenth Autonomous Grand Prix, championship at the Grand Prix Metaverse Autonomous Driving Challenge 2023, and championship in the Argoverse 2 Multi-agent Motion Forecasting Challenge 2023.

She is a fellow of IEEE and a fellow of AAIA. She is among the top 2% in the Stanford list of the world's most-cited scientists in 2020-2024. She was and is an associate editor for many journals such as IEEE Transactions on Mobile Computing, IEEE Transactions on Cloud Computing, IEEE Transactions on Parallel and Distributed Systems, etc. She served on the IEEE fellow committee (2024-present).

汪建平，香港城市大學電腦科學系講座教授，計算學院院長。她於2023年至2024年擔任香港城市大學協理學務副校長（質素保證及問責）及協理學務副校長（學術事務），於2022年-2023年擔任香港城市大學助理學務副校長（質素保證與戰略規劃）。

她的研究方向涵蓋自動駕駛、電腦網路、雲計算等多個領域，以專案執行負責人身份獲得中國自然科學基金、香港研究資助局、香港科技創新署等機構的多項資助，部分成果已在業界落地。近年來，她帶領的研究團隊在自動駕駛安全領域屢次獲得重大突破。其中深度模型演算法QCNet連續兩年在CVPR Argoverse 2多智能體運動預測挑戰中獲得冠軍，大模型演算法BehaviorGPT在2024年Waymo開放資料集Sim Agents挑戰賽中獲得冠軍，ModeSeq演算法在2024年Waymo開放資料集Motion Prediction挑戰賽中獲得亞軍。團隊在2024年香港CPS-IoT期間舉辦的17屆F1TENTH Grand Prix（十分之一級方程式大獎賽）奪冠，在2023年澳門大學主辦的格蘭披治元宇宙自動駕駛挑戰賽中獲取第一名。

她當選了電氣與電子工程師協會（IEEE）會士，亞太人工智慧學會（AAIA）會士，是2020年至2024年世界上被引用次數排名前2%的科學家之一。她曾擔任且在任多個期刊的副主編，如IEEE Transactions on Mobile Computing, IEEE Transactions on Cloud Computing, IEEE Transactions on Parallel and Distributed Systems，並於2024年起擔任IEEE會士委員會成員。



Professor Archan MISRA

Vice Provost (Research); Lee Kong Chian
Professor of Computer Science,
Singapore Management University
新加坡管理大學李光前電腦科學教授、
研究副校長

Archan Misra is Vice Provost (Research) and Lee Kong Chian Professor of Computer Science at Singapore Management University (SMU). Over the past decade, Archan has provided leadership to a number of large-scale research initiatives at SMU, cumulatively worth more than \$50M USD, which collectively developed innovative mobile/wearable/IoT technologies for pervasive computing applications. He is currently a Program Co-PI on the ongoing Mens, Manus and Machina (M3S) inter-disciplinary research program, established by MIT's SMART research enterprise in Singapore, that seeks to create breakthroughs on the use of AI and machines for collaborative work with humans. He was SMU's first recipient of the prestigious Singapore NRF Investigator grant, awarded for his research on low-power, multi-modal human-machine interaction. His current research interests lie in ultra-low energy execution of AI on IoT and edge devices, and embodied AI to support spatially grounded human-machine collaboration. Over a 25+ year research career spanning both academics and industry (at IBM Research and Bellcore), Archan has published on, and practically deployed, technologies spanning wireless networking, mobile & wearable sensing and human-robot interaction. An ACM Distinguished Member, Archan chaired the IEEE Computer Society's Technical Committee on Computer Communications (TCCC) from 2005-2007.

在過去的十年裏，Archan領導了SMU的許多大型研究項目，累計價值超過5000萬美元，這些項目共同開發了用於普通計算應用的創新移動/可穿戴/IoT技術。他目前是正在進行的Mens, Manus and Machina (M3S) 跨學科研究項目的聯合負責人，該項目由麻省理工學院在新加坡的SMART研究企業建立，致力於在使用人工智能和機器與人類協作方面取得突破。他是SMU第一位獲得著名的新加坡NRF研究員資助的得主，該資助授予原因在於他對低功耗、多模式人機交互方面的貢獻。他研究興趣集中在人工智能在物聯網和邊緣設備上的超低能耗執行，以及具身人工智能以支持基於空間的人機協作。在超過25年的學術和工業研究生涯中（在IBM research和Bellcore），Archan發表並實際部署了涵蓋無線網絡，移動和可穿戴傳感以及人機交互的技術。作為ACM傑出成員，Archan於2005年至2007年擔任IEEE計算機協會計算機通信技術委員會（TCCC）主席。



Mr Jens-Peter BRAUNER

Chief Executive Officer,
Siemens Mobility Ltd (Hong Kong)
Siemens Mobility Ltd (香港) 行政總裁

Jens-Peter is an expert in the transportation sector for 30 years and a Fellow of IET. He has degrees in electrical engineering and economic psychology, because for him, technology and people belong together, especially when it comes to digital transformation and the application of artificial intelligence.

By living and working throughout Europe, America and Asia, he became passionate about diversity and leveraging cultural synergies for the development of disruptive innovations.

As the CEO of Siemens Mobility in Hong Kong, he is working with his team and local partners to turn Hong Kong into a sustainable and smart city.

Holding patents by himself, he is always looking for bright ideas and supports talents and their visions. And still today he is dealing with latest technologies and is using AI for developing apps by himself, just for fun.

Jens Peter成為交通領域的專家已經有了30年的時間，他也是IET的會員。他擁有電氣工程和經濟心理學學位，因為對他來說，技術和人是密不可分的，尤其是在數字化轉型和人工智能應用方面。

他曾經在歐洲、美洲和亞洲等地區工作和生活過，樂於接受多樣性，熱愛利用文化效應發展顛覆性創新。作為Siemens Mobility在香港的行政總裁，他與他的團隊攜手當地合作伙伴，致力於將香港打造成一個可持續發展的智能城市。他擁有自己的專利。至今，他仍在使用最新的技術，使用人工智能來幫助自己開發應用程序，一切都以興趣為出發點。



Professor Qiang YANG 楊強教授

Fellow of Royal Society of Canada and Canadian Academy of Engineering
Professor Emeritus, Hong Kong University of Science and Technology
Chief Artificial Intelligence Officer, WeBank
加拿大工程院及加拿大皇家學院院士
香港科技大學榮譽教授
微眾銀行首席人工智能官

Qiang Yang is a Fellow of Canadian Academy of Engineering(CAE) and Royal Society of Canada(RSC), Chief Artificial Intelligence Officer of WeBank. He is the Co-Founder of 4Paradigm, Professor Emeritus of CSE Department of Hong Kong Univ. of Sci. and Tech. He is the Conference Chair of AAI-21, President of Hong Kong Society of Artificial Intelligence and Robotics(HKSAIR), the President of Investment Technology League(ITL) and Open Islands Privacy-Computing Open-source Community, and former President of IJCAI(2017-2019). He is a fellow of AAI, ACM, IEEE and AAAS. His research interests include transfer learning and federated learning. He is the founding EiC of two journals: IEEE Transactions on Big Data and ACM Transactions on Intelligent Systems and Technology. His latest books are Transfer Learning, Federated Learning, Privacy-preserving Computing and Practicing Federated Learning.

楊強，加拿大工程院及加拿大皇家學院院士，微眾銀行首席人工智慧官，香港科技大學榮譽教授，第四范式公司聯合創始人，AAAI-2021大會主席，國際人工智慧聯合會(IJCAI)理事會前主席，香港人工智慧與機器人學會(HKSAIR)理事長，智慧投研技術聯盟(ITL)和開放群島開源社區(OI)主席，《ACM TIST》和《IEEE TRANS on BIG DATA》創始主編，CAAI, AAI, ACM, IEEE, AAAS等多個國際學會Fellow。遷移學習和聯邦學習研究及應用，著作包括《遷移學習》、《聯邦學習》、《隱私計算》和《聯邦學習實戰》等。



Dr Yu ZHENG 鄭宇博士

Vice Dean
UBTECH Research Center and Humanoid Robotics Scientist
優必選研究院副院長兼人形機器人科學家

Dr. Zheng Yu is currently the Vice Dean of UBTECH Research Center and Humanoid Robotics Scientist. He holds B.Eng. degrees in mechanical engineering and computer science, and a Ph.D. in mechatronics from Shanghai Jiao Tong University, as well as M.S. and Ph.D. degrees in computer science from the University of North Carolina at Chapel Hill. From 2007 to 2009, he was a postdoctoral Research Fellow with the Department of Mechanical Engineering, National University of Singapore. From 2010 to 2014, he was a researcher with Disney Research Pittsburgh. From 2014 to 2018, he was an Assistant Professor with the Department of Electrical and Computer Engineering, University of Michigan-Dearborn. From 2018 to 2024, he was a Principal Research Scientist and the Team Lead of the Control Group at Tencent Robotics X. His research interests include multicontact/multibody robotic systems, robotic grasping and manipulation, legged robots, and various algorithms for robotics.

鄭宇博士目前擔任優必選科技研究中心副院長及人形機器人科學家。他擁有上海交通大學的機械工程與電腦科學學士學位及機電一體化博士學位，以及美國北卡羅來納大學教堂山分校的電腦科學碩士和博士學位。2007年至2009年，他在新加坡國立大學機械工程系擔任博士後研究員。2010年至2014年，他在迪士尼匹茲堡研究所工作。2014年至2018年，他在密西根大學迪爾伯恩分校電氣與電腦工程系擔任助理教授。2018年至2024年，他在騰訊機器人X擔任主任研究科學家及控制組組長。他的研究興趣包括多接觸/多體機器人系統、機器人抓取與操作、足式機器人及各種機器人演算法。



Dr Marko BJELONIC

Chief Executive Officer & Co-Founder,
Swiss-Mile
Swiss-Mile 首席執行官兼聯合創始人

Dr. Marko Bjelonic, born in 1990, is a roboticist and entrepreneur. As CEO and co-founder of Swiss-Mile Incorporated, a 2023 ETH Zurich spin-off, he is focused on advancing autonomous robots that integrate AI to relieve humanity of tedious tasks. He leads a team of experts in embodied AI and robotics, tackling the most complex challenges in mobility, autonomy, and manipulation. Swiss-Mile has secured backing from prominent investors, including Jeff Bezos, HongShan, Linear Capital, Amazon Industrial Innovation Fund, Agile Robots and Armada Investment. Previous to co-founding Swiss-Mile, Marko completed his doctoral degree at ETH Zurich (2017-2021) under the supervision of Prof. Dr. Marco Hutter, Prof. Dr. Stelian Coros, and Prof. Dr. Sangbae Kim. His work focused on motion control and planning for wheeled-legged robots, garnering millions of views through coverage in major outlets like Reuters, CNN, and BBC News. Marko holds a Bachelor's and Master's degree in Mechanical Engineering from TU Darmstadt and has worked before at Mercedes-AMG, Fraunhofer LBF, CSIRO and more.

Marko Bjelonic 博士出生於 1990 年，是一位機器人專家和企業家。作為 2023 年蘇黎世聯邦理工學院衍生公司 Swiss-Mile 的首席執行官和聯合創始人，他專注於推進集成 AI 的自主機器人，以減輕人類繁瑣的任務負擔。他領導著一個由具身 AI 和機器人技術專家組成的團隊，致力於解決移動性、自主性和操作性方面最複雜的挑戰。Swiss-Mile 已獲得知名投資者的支持，包括 Jeff Bezos、HongShan、Linear Capital、Amazon Industrial Innovation Fund、Agile Robots 和 Armada Investment。在共同創立 Swiss-Mile 之前，Marko 在 Marco Hutter 教授、Stelian Coros 教授和 Sangbae Kim 教授的指導下在蘇黎世聯邦理工學院獲得了博士學位（2017-2021 年）。他的工作重點是輪腿機器人的運動控制和規劃，通過路透社、CNN 和 BBC 新聞等主要媒體的報道獲得了數百萬的瀏覽量。Marko 擁有達姆施塔特工業大學機械工程學士和碩士學位，之前曾在 Mercedes-AMG、Fraunhofer LBF 和 CSIRO 等工作。



Dr Jacob HURST

Co-founder and Chief Technology Officer,
Etcembly
Etcembly 聯合創始人兼首席技術總監

Jacob Hurst holds a PhD in Machine Learning and has worked with biological data since 2002. Within Etcembly Jacob has helped pioneer the informatics techniques that have resulted in Etcembly being the second company in the world to affinity enhance a TCR to pM level and the first company to do so entirely by informatics. Jacob has worked as a scientific researcher at University College London and University of Oxford. He has co-authored over 50 scientific papers and holds a deep knowledge of antibodies and TCRs helping construct the Abysis database at UCL <http://www.abysis.org/abysis/> and more recently, he worked at Immunocore on platform development and translational data analysis to help enable the FDA approval of the drug KIMMTRAK.

Jacob Hurst 擁有機器學習博士學位，自 2002 年以來一直從事生物學數據研究。在 Etcembly，Jacob 倡導應用信息科學技術，使 Etcembly 成為世界上第二家將 TCR 提升到 pM 水平的公司，也是第一家完全通過信息科學實現這一目標的公司。Jacob 曾在倫敦大學學院和牛津大學擔任科學研究員。他與人合著了 50 多篇科研文章，對抗體和 TCRs 有着深入的瞭解，參與構建了倫敦大學學院的 Abysis 數據 (<http://www.abysis.org/abysis/>)，近期他在 Immunocore 從事平台開發和翻譯數據分析的工作，以幫助 FDA 批准 KIMMTRAK 藥物。



Mr Aleksandr TIMOFEEV

Chief Executive Officer and Founder,
POLYN Technology
PolyN Technology首席執行官兼創始人

Aleksandr Timofeev is CEO and Founder of POLYN Technology (<https://polyn.ai>), an innovative provider of ultra-low-power high-performance NASP (Neuromorphic Analog Signal Processing) technology. Aleksandr is a serial entrepreneur with 20-year experience in the high-tech industry. Prior to POLYN, he founded iGlass, a company that developed novel electrochromic smart glass technology. He built the core team, the technology and product concept, and successfully sold the company to a strategic investor. Aleksandr is also a founder and managing partner at FPI Innovation Fund LP, an early-stage venture investment management company. The fund focuses on early-stage innovative companies, developing clear product concepts and strategies and working with venture firms and partners for subsequent funding rounds.

Aleksandr Timofeev是POLYN Technology(<https://polyn.ai>)的首席執行官兼創始人，是超低功耗高性能NASP（神經形態模擬信號處理）技術的創新提供商。Aleksandr在高科技行業擁有20年的連續創業經驗。在POLYN之前，他創立了iGlass，一家開發新型電致變色的智能玻璃技術的公司。他建立了核心團隊、技術和產品概念，併成功地將公司出售給了一位策略投資者。Aleksandr還是早期風險投資管理公司FPI Innovation Fund LP的創始人和管理合夥人。該基金專注於早期創新公司，制定明確的產品概念和戰略，並與風險投資公司和合作夥伴合作進行後續融資。



Professor Kwok Wai Samuel AU

Founder, Cornerstone Robotics Limited
康諾思騰創始人兼首席執行官

Dr. Kwok Wai Samuel Au is currently a Professor of the Department of Mechanical and Automation Engineering and Department of Surgery (by courtesy) at CUHK, and the Founding Director of Multiscale Medical Robotics Center, InnoHK. In Sept 2019, Dr. Au found Cornerstone Robotics and has been serving as the CEO of the company, aiming to create affordable surgical robotic solution. Dr. Au received the B.Eng. and M.Phil degrees in Mechanical and Automation Engineering from CUHK in 1997 and 1999, respectively and completed his Ph.D. degree in Mechanical Engineering at MIT in 2007. During his PhD study, Prof. Hugh Herr, Dr. Au, and other colleagues from MIT Biomechatronics group co-invented the MIT Powered Ankle-foot Prosthesis. Before joining CUHK(2016), he was the manager of Systems Analysis of the New Product Development Department at Intuitive Surgical, Inc.

Dr. Au co-authored over 60 peer-reviewed manuscripts and conference journals, 17 granted US patents/EP, and 3 pending US Patents. He has won numerous awards including the Intuitive Surgical Problem Solving Award in 2010, and Intuitive Surgical Inventor Award in 2011, 2023 Science and Technology Entrepreneurs.

歐國威教授現為香港中文大學機械與自動化工程學系及外科學系（禮任）教授，以及醫療機械人創新技術中心主任。2019年9月，歐教授創立了康諾思騰(Cornerstone Robotics)並擔任其首席執行官，致力打造安全高效的手術機器人平臺。歐教授分別于1997年及1999年取得香港中文大學機械及自動化工程學士及碩士學位，並於2007年獲得麻省理工學院機械工程博士學位。在攻讀博士學位期間，Hugh Herr教授、歐教授和其他麻省理工學院成員共同發明了麻省理工學院動力踝足義肢。加入香港中文大學前，歐教授曾就職于直覺外科公司(Intuitive Surgical, Inc.)，共同發明了獲FDA批准的手術平臺。

歐教授合著了超過 60 篇經同行評審的期刊論文，其中 17 項已獲得美國專利/歐洲專利，還有 3 項正在申請美國專利。他曾獲多個獎項及提名，包括獲選為2023年科技企業家，入圍2022年香港精神獎，2011年直覺手術發明家獎、2010年直覺手術問題解決獎。他創立的公司康諾思騰也入選了2023未來醫療100強。中國創新醫療器材榜TOP100並榮獲價值領域獎。



Dr-Ing Benny DRESCHER

Hong Kong Industrial Artificial Intelligence & Robotics Centre
香港工業人工智能及機械人研發中心首席技術總監

Dr. Benny Drescher's professional expertise lies in Industry 4.0, mechatronic product development, robotics, machine learning and data analytic technologies. He has worked with research institutes, corporate and medium-sized companies from machinery, automotive and manufacturing industries in Germany, USA, Japan and China.

Dr. Drescher serves as Director Technology at INC Invention Center Limited — supporting manufacturing companies in increasing shop floor efficiency by Industry 4.0 technologies. He is also Co-Founder and Managing Director of Technovation GmbH — a sensor and data analytics engineering firm for the manufacturing industry. In addition, Dr. Drescher co-founded Dronefence GmbH — a safety startup with patented technology for Unmanned Aerial Vehicles.

He successfully implemented consulting, engineering and applied research projects with industrial clients at Fraunhofer IWU (Augsburg) and Technical University of Munich. His work resulted in more than 15 scientific publications and major contributions to two patents.

Dr. Drescher holds a B.Sc./M.Sc. in Electrical Engineering and Ph.D. (Dr.-Ing.) in Mechanical Engineering from Technical University of Munich.

Benny Drescher博士擁有豐富專業知識，精通工業4.0、機電產品開發、機械人技術、機器學習和數據分析技術等領域。他曾與跨國機械、汽車及製造業的研究機構、企業和中型公司合作，網絡遍及德國、美國、日本及中國。

Drescher博士擔任INC Invention Center Limited的技術總監，支援製造公司透過工業4.0技術，提升工廠生產效率。彼為製造業感應器及數據分析工程公司（Technovation GmbH）的共同創辦人兼董事總經理。此外，Drescher博士身兼Dronefence GmbH的共同創辦人，發展無人機的專利技術。

Drescher博士曾為Fraunhofer IWU（Augsburg）和慕尼黑工業大學（Technical University of Munich）的工業客戶提供諮詢、工程和應用研究支援，並發表了逾15份科學刊物及促成2項專利申請的重大成果。

Drescher博士擁有慕尼黑工業大學（Technical University of Munich）電機工程學學士/碩士學位及機械工程學博士學位。



Ms Cici CHEN

陳曦小姐

Chairwoman, Tianji Intelligent & Robot
天機智能主席

Ms. Chen Xi holds a Bachelor's degree in Mathematics from the University of York, UK, and a Master's degree in Land Economy from the University of Cambridge, UK. She has extensive experience in the financial sector, having served as an Analyst in the Capital Markets Department at Guoxin Securities Investment Banking, a research analyst at Anbang Asset Management Co., Ltd., and as Investment Director of Shenzhen Everwin. She currently presides as the Chairwoman of Guangdong TIANJI Robot Co., Ltd., and Guangdong TIANJI Intelligent System Co., Ltd.

陳曦女士擁有英國約克大學的數學學士學位和英國劍橋大學的土地經濟碩士學位。她在金融領域擁有豐富的經驗，曾擔任國信證券投資銀行資本市場部的分析師、安邦資產管理有限公司的研究分析師，以及深圳市恒信投資的投資總監。目前，她擔任廣東天機機器人有限公司和廣東天機智能系統有限公司的董事長。

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