



SPACEBIZ BREAKFAST SERIES

7th Session:

The Kessler Syndrome – a serious infection of LEO but what is the cure?

17 Feb 2023

Bankers Club, Central, Hong Kong
8:30 am to 10:00 am (10:30 final call)



I. Welcome Fellow Astropreneurs...
“STEAM” Talk for Adults

Why Not?

STEAM for “Younger Adults”...
Removing
Space Debris,
@PolyU
Tomorrow

Launching 18 Feb 2023 with OASA and
PolyU....

FEB 18-APR 29, 2023
2-5PM (EVERY SATURDAY, EXCEPT APR 8)

POLYU CUBESAT MISSION

SPACE DEBRIS REMOVAL

The new economy will increasingly be global and borderless. But how to capture the essence of this new reality and expose our future pioneers to the new world of the Space Economy?

THE MISSION

PolyU with OASA, the Orion Astropreneur Space Academy, has created Hong Kong's first STEAM-based workshop, grounded on the creation of a small satellite known as CubeSat that has become a main stay of tomorrow's space technology. The mission of this programme, which aims to remove space debris, combines fun lectures, lab visits, and hands-on workshop with mentorship. This new 10-session programme has been designed particularly for S.4 and S.5 students.

GET AWARDED

All participants will receive a participation certificate and receive xxxxxxxx.
Winners of the competition will be favourably considered for admission.

BRIEFING SESSION
DEC 19, 2022, Monday, 4PM
Students and Teachers are welcome to join the online briefing session.



Scan and join us!

 THE HONG KONG POLYTECHNIC UNIVERSITY
香港理工大學

 Department of Aeronautical and Aviation Engineering
航空及民航工程學系





Less is MORE!



“How” might we help young leaders become Astropreneurs for the world?





ONGA[®]

- SPACE PORTAL : HONG KONG -



IS THIS OUR NEW
“Overview
Perspective”?



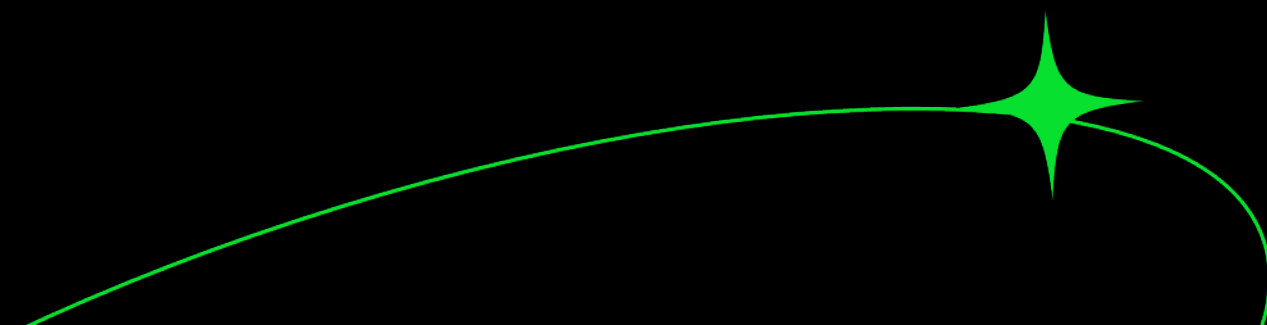
DOORWAYS SPACE ECO

THE NEW SPACE ECONOMY FOR EN
HAS NOW ARRIVED IN HONG KONG

- **SPACE PORTAL : HO**



I. Agenda for Today's Breakfast



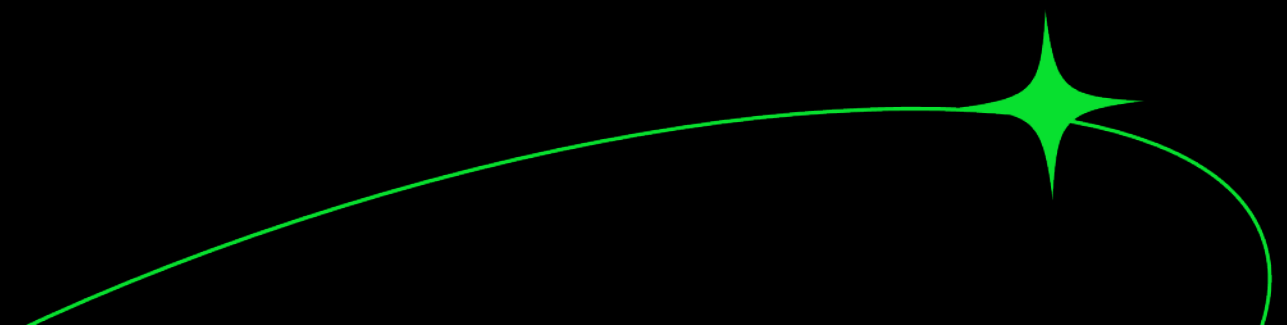
17th Feb

This Morning's Flow

- Welcome by Dr G. and Disclaimer
- Introduction to Our Special Guests
- Why Here? Why Now? Why OASA? Why You?
- Breakfast (25 minutes or less)
- Today's Discussions:
 - What's the Business Perspective? Ivan Lee.
 - The Kessler Syndrome – a Serious infection of LEO, But What is the Cure? Prof. Quentin Parker
- Next Series of Topics.
- Wrap Up and Conclusion.



II. Here and Now!





“How” might we train young leaders become Astropreneurs?



Have Polo: Will Travel

Awarded for ESG Leadership



How would students describe the Young Marco Polo Programme?



Testimonials from the 2022 summer cohorts. Video story created by a future YMP'er
5 Teams of Students experienced real business cases and equipped with more skills.





Why Not Build Toy Rover for our Moon and Mars?



Summer Camp 2023?

星空露營體驗之旅
EASTER
2023

SPACE/CAMPING/MUSIC/STORY/PEOPLE

體驗白普理的日與夜
06月 — 08月
包食! 包住! 包玩!
包車! 包學!

觀星團
星際歷奇活動

Explore
THE GALAXY

專業導賞帶你走進大自然，盡情探索漫天星宿!

白普理營，新界西貢黃宜洲257

BGCA
香港小童群益會

OASA
HONG KONG

新一年我們為你和摯愛呈獻
大自然觀星露營體驗之旅!

星空露營體驗
場地提供露營用品，你可以體驗在野外露營的樂趣，同時間我們提供便利的生活設施給大一家大小享受和大自然的天然樂!

觀星團+音樂晚會
每晚我們都會準備晚會娛樂和觀星團，使用我們提供的望遠鏡和AR電子星圖來辨別各種行星，恆星和星座。在漫天的星宿底下，有機會你會碰上現場音樂表演分享會，或營火故事團!

日營活動
精彩體驗源源不絕! 第二天早上，在大自然享受悠閒早餐過後，還有精彩的日營歷奇活動等着你體驗!

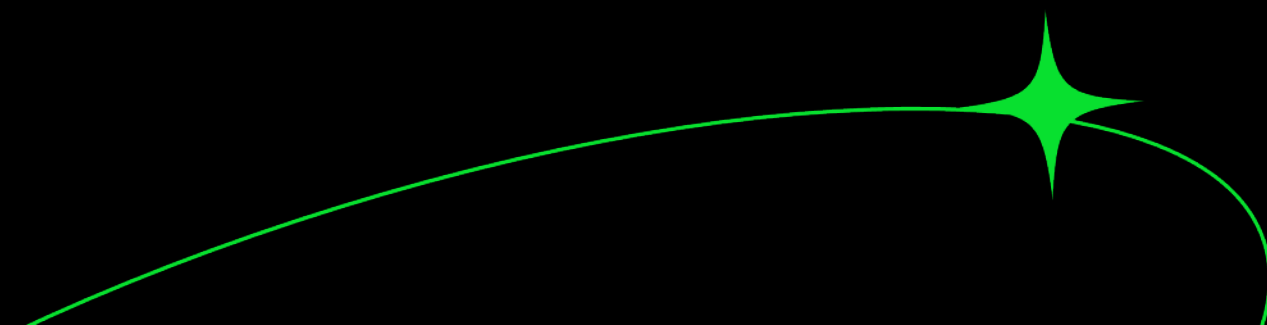
報名查詢
@ info@oasahk.org

2日1夜之旅
每人\$1580

包食! 包住! 包車! 包玩!

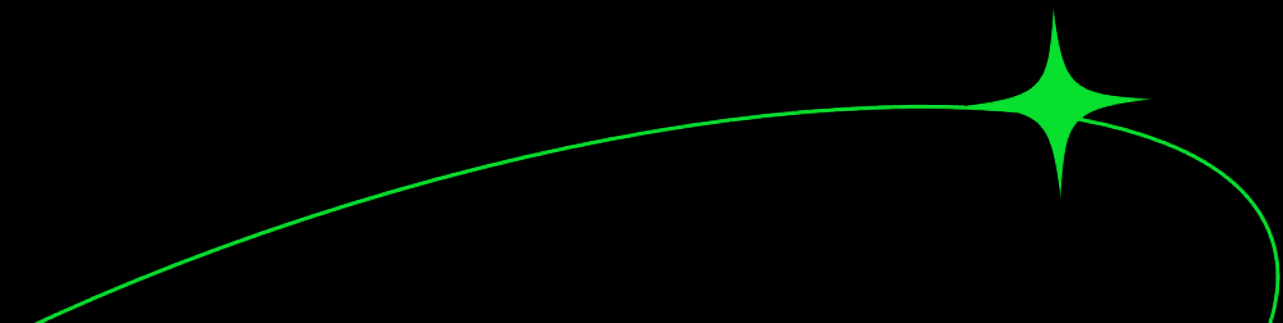


III. Breakfast is Served (25 minutes)





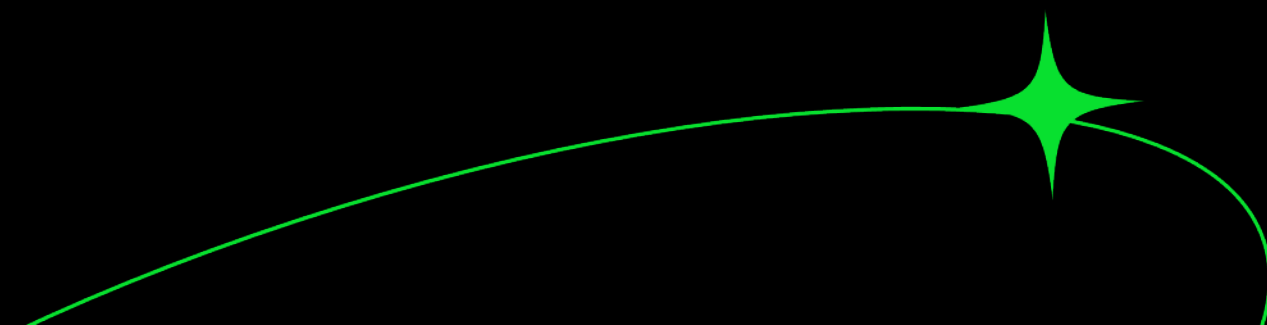
IV. What's the Business Perspective? Ivan Lee.





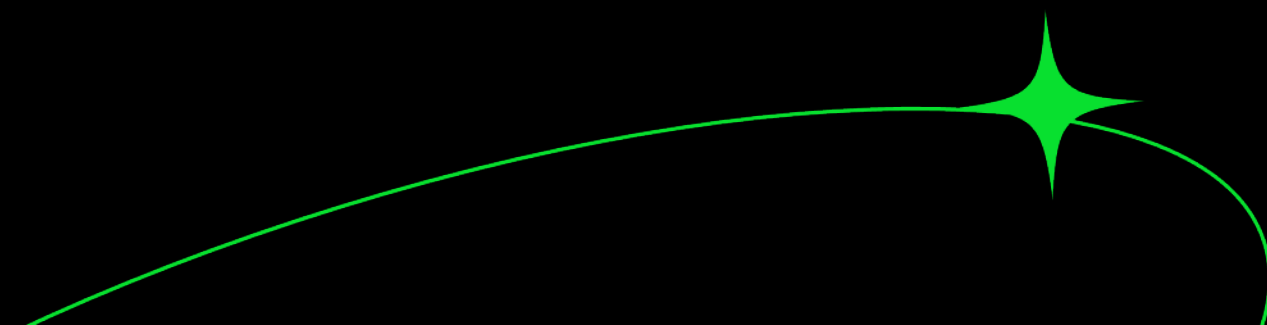
V. The Kessler Syndrome - a Serious infection of LEO, But What is the Cure?

Prof. Quentin Parker (Prof. Q), Vice Chair of OASA and Director
of the Lab for Space Research, HKU





VI. Next Series of Topics



➤➤➤ Prototypes ➤➤➤ Projects ➤➤➤ Programs ➤➤➤ Polo's Planet

OASA's Formula

WHAT'S NEXT?

Hands-on Workshops by Master Trainers. STEM for Adults. Innovation Journey with the context of Space for High-Flyers.

Space Biz Breakfast

Ask Me Anything About Astropreneurship

CubeSat Construction Course



OASA

ASK ME ANYTHING ABOUT
ASTROPRENEURSHIP

SATELLITE INTERNET

HOW CAN YOU GET INTERNET USING SATELLITE?

Date: 27 Oct 2022 18:30 (HKT)
Venue: Zoom

Moderator:
Perry Lam
Vice Chairman &
Co-founder of OASA

Guest Speakers:
Paul Ko
Director at Tak Shing &
Group of Companies

Ivan Lee
Senior Associate at
AvantFaire Investment
Management





OASA ACTIVITIES IN 2023+



01

- Young Marco Polo Program with more corporates?
- CubeSats for "All" secondary and grade schools?

02

- OASA's Silver Global Mentoring Certification Program?
- GBA Tours?

03

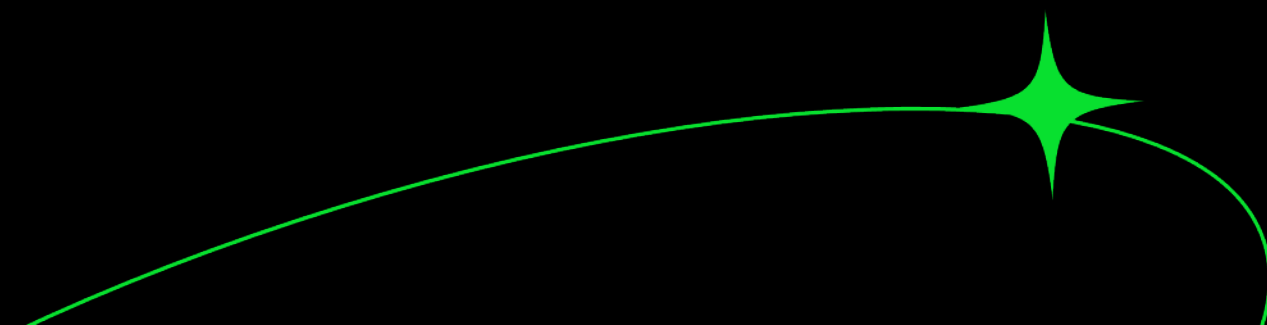
- Summer Space Camp?
- Mars Rover?
- Space Scouts?

Upcoming Topics

- HKEx's 18C Initiative – Dr. RenuBhatia? Space Tech and New Listings in Hong Kong. 17 Mar.
- Space Fashion. April. Karen Chan perhaps? Juliana Lam? Linda Lam on Jade?
- Space Talent and Career. May. Prof. Wen perhaps?
- Space Health and Medical. June?
- Space Robotics?
- Space Food? Space Agriculture? Prof. Eddie Ng?
- Space Law? Prof. John Zhao.
- Space Communication and Cybersecurity in Space?
- Launch vehicles or rockets?
- ESG and SDGs?
- Space solar power?



VII. Conclusion for Today





CONCLUDING REMARKS: ARE YOU READY TO PLAY IN THE NEWSPACE ECONOMY?

- The NewSpace Economy has arrived.
- Do you want to invest your time, \$\$\$, and energy in an earth-bounded business or one that has less limits?
- STE(A)M for adults, learning to relearn, and investing our most precious resource...time.
- Next topic.
- 18C by Dr. Renu Bhatia, Chair of the Listing Committee, HKEx
- AMAAA this month with Prof. Q for students, 23rd Feb, 6:15 pm, via zoom. Hosted by Perry Lam, our Chairman. Ainaz as Question Poser.



Early Bird Discount

LIMITED OFFER
**20%
OFF**
OF THE REGULAR
TICKET PRICE

Early bird code:
oasaearly

OASA STUDENT

~~\$600~~ **\$480**

OASA MEMBER

~~\$800~~ **\$640**

OASA HONORARIES

~~\$840~~ **\$672**

NON-MEMBER

~~\$1080~~ **\$864**

For "**OASA HONORARIES**", please enter the **discount code** to enjoy the special offer.
Please contact info@oasahk.org should you have any concerns.



5 tickets or 10- tickets Package

- Less than \$600 at students prices per event, if purchase at bulk of 5 or 10.
- Good for **entire 2023** (Valid until December 2023).
- **Priority** booking.
- **Invite your friends** and have them participate; and use one of your 10 tickets purchased at special rates.





In Search of Global Mentors



Spread the word

We welcome your friends to become a part of the OASA community. Join us by registering as an OASA Friend.



**We Need You Global Mentors.
We Want You.**

Sign Up! FRONT UP! MENTOR READY?

*“Do you know me, Astropreneur?
I am your mentor.”*



Join me in an Arabian adventure.

Andy C Bien, Chief Digital Officer, Global Aviation, at Huawei, and travelling the world. Formerly with the Hong Kong Airport Authority as their CIO.



*“Do you know me?
I am an “Astropreneur” mentor.”*



In search of young leaders with an open mindset...

Prof. Wong Chack Kie, hiker, strategist, columnist and formerly with the Central Policy Unit of the HKSAR Government.



“Do you know me? Astropreneur, I am your mentor. Come ride with me?”



Have Courage...Will Travel

Ms. Suk Wah Kwok, formerly with the World Bank as the Global CIO at IFC. One of the top 5 CIOs in China; and one of the top 10 CIOs in the world (Global CIO Forum) Mentor to Young Marco Polos.

