

HKSSFN SUMMER STEREOTAXY WORKSHOP



BCI Research & Cortical Functional Mapping Certificate Course



SECURE YOUR SEAT

Limited availability • First come, first served
1,000 HKD • Complimentary for HKSSFN Members
Scan QR code to register
<https://shorturl.at/UASX8>



Advancing Functional Neurosurgery through Brain-Computer Interfaces, Closed-Loop Neuromodulation, and High-Resolution Cortical Mapping

📍 Marco Polo Hong Kong Hotel, Hong Kong 📅 1–2 August 2026

Key Clinical & Research Topics

- High-gamma mapping (HGA) | Electrical Cortical Stimulation (ECS) | Stereo-EEG | CCEP connectivity
- Closed-loop neuromodulation | Epilepsy monitoring | Awake craniotomy workflows
- Ultra-high density biosignal acquisition | Multimodal functional mapping for brain tumour surgery
- Neural source construction | Next-generation BCI systems for clinical and research applications

Program Highlights

- Clinical case studies from epilepsy and brain tumour surgery
- Advanced stereotactic workflows and neuromodulation strategies
- Hands-on workshops across BCI, tumour mapping and epilepsy applications
- Direct exchange with international experts in neurotechnology and functional neurosurgery

International Faculty



Dr. Tak Lap Poon
HONG KONG



Dr. Kyousuke Kamada
JAPAN



Dr. Christoph Kapeller
AUSTRIA



Dr. Mostafa Mohammadpour
AUSTRIA

Sponsored by www.gtec.at

Co-organized by www.thehkssfhn.hk

CME accreditation available

The Hong Kong Society for Stereotactic and Functional Neurosurgery

1 Aug 2026 – Day 1 Program

Day 1 / Session 1 08:30–10:30

Brain computer interface applications in research and clinical settings

TIME	TOPIC	SPEAKER	VENUE
08:30	Welcoming and mission of HKSSFN and vision of functional neurosurgery in HK	Dr. Tak Lap Poon (QEH, HK)	Jade & Lotus Room (6/F)
09:00	Introduction of current and future applications of brain computer interface in research and clinical settings	Ms. Christy Li (g.tec, HK)	
09:30	Use cases of invasive BCI and the need of multiple modality functional mapping	Dr. Christoph Kapeller (g.tec, AT)	
10:00	Use cases of High-gamma and ECS mapping in Japan	Dr. Kyouzuke Kamada (Chitose City Hospital, JP)	
10:30–10:45	Coffee		

Day 1 / Session 2 10:45–12:45

Closed loop neuromodulation and its application in neurosurgical planning and workflow

TIME	TOPIC	SPEAKER	VENUE
10:45	Current workflow of epilepsy monitoring and awake craniotomy in HK	Dr. Tak Lap Poon/ Dr. Michael See (QEH, HK)	Jade & Lotus Room (6/F)
11:20	Advances beyond the current gold standard, combining HGA mapping with ECS and more of closed loop neuromodulation	Dr. Christoph Kapeller (g.tec, AT)	
12:00	High-frequency oscillation, ictal spike detection and neuromodulation for epilepsy	Dr. Mostafa Mohammadpour (g.tec, AT)	
12:30	Open floor Q&A and wrap up morning session (15 min)	Moderator: Dr. Jason Ho (TMH, HK)	
	Lunch		Cafe Marco (1/F)

Day 1 / Afternoon Hands-on Workshops

SLOT	GROUP 1	GROUP 2	GROUP 3
1 (14:00)	BCI station	Tumour station	Epilepsy station
2 (15:00)	Tumour station	Epilepsy station	BCI station
3 (16:00)	Epilepsy station	BCI station	Tumour station

Day 1 / Welcoming Dinner

18:30	Orchid Room (4/F)
-------	-------------------

SECURE YOUR SEAT

Limited availability • First come, first served
1,000 HKD • Complimentary for HKSSFN Members
Scan QR code to register
<https://shorturl.at/UASX8>



2 Aug 2026 – Day 2 Program

Day 2 / Session 3 08:30–10:30

Advancing application of neuromodulation
in brain tumour and epilepsy cases

TIME	TOPIC	SPEAKER	VENUE
08:30	Stereo-EEG high-gamma mapping case study in HK	Dr. Tak Lap Poon (QEH, HK)	Jade & Lotus Room (6/F)
09:00	CCEP connectivity in epilepsy	Dr. Kyosuke Kamada (Chitose City Hospital, JP)	
09:30	Software and hardware requirement for CCEP mapping in epilepsy monitoring and operation theatre	Dr. Christoph Kapeller (g.tec, AT)	
10:00	CCEP connectivity in awake craniotomy	Dr. Kyosuke Kamada (Chitose City Hospital, JP)	
10:30–10:45	Coffee		

Day 2 / Session 4 10:45–12:45

Advancing BCI research and minimally invasive procedures
with neuro specialists

TIME	TOPIC	SPEAKER	VENUE
10:45	Pre-surgical examination on epilepsy and brain tumour patients in HK	Dr. Wing Lok Cheung (PWH, HK)	Jade & Lotus Room (6/F)
11:20	Introduction of ultra-high density biosignal acquisition and usage in neural source construction	Ms. Christy Li & Dr. Mostafa Mohammadpour (g.tec, HK & AT)	
12:00	Beyond cortiQ – hardware and software extension for clinical research	Dr. Christoph Kapeller (g.tec, AT)	
12:30	Open floor Q&A and wrap up morning session (15 min)	Moderator: Dr. Michael Lee (PYNEH, HK)	
	Lunch		Cafe Marco (1/F)

Day 2 / Afternoon Hands-on Workshops

SLOT	GROUP 1	GROUP 2	GROUP 3
1 (14:00)	BCI station	Tumour station	Epilepsy station
2 (15:00)	Tumour station	Epilepsy station	BCI station
3 (16:00)	Epilepsy station	BCI station	Tumour station

Day 2 / Closing

17:00	Group photo taking, certificate issuing, closing speech (60 min)
-------	--

SECURE YOUR SEAT

Limited availability • First come, first served
1,000 HKD • Complimentary for HKSSFN Members
Scan QR code to register
<https://shorturl.at/UASX8>

