
The Hong Kong Institution of Engineers
Biomedical Division
Chairman's Annual Report (Session 2025/2026)

Introduction

As a grateful and prideful chairman, I am privileged to report that with the strong dedication, vision, and steadfast support of the Division Committee, the Biomedical Division (BMD) continued to make steady growth and achieve various initiatives as planned in Session 2025/2026. Over the years, the Division has been serving as a professional platform for the biomedical engineering community, reflecting the inconspicuous dedication of Biomedical Engineering (BME) in supporting technological innovation, healthcare service betterment, and economic growth.

BMD continued to fulfil its role as a learned society and as a network connecting professionals from the government, the academia and research institutes, the healthcare service providers, the trade and industry, and the public sector. In addition to fostering the development of BME in Hong Kong, BMD also placed focus on strengthening collaboration and professional ties with counterparts in the Chinese Mainland, especially the Greater Bay Area (GBA).



To stay updated with the latest development in BME worldwide, BMD continued to participate actively in international and regional initiatives, while also preparing for major technical events including the upcoming Biomedical Engineering Conference (BME2026). These efforts reinforce our commitment to broadening professional networks, fostering cross-border collaboration, and enhancing Hong Kong's role as a super connector between the international BME community and our Motherland.

The Division continued to focus on the following key objectives:

- Fostering local research, innovation, and development in BME.
- Strengthening collaboration and professional exchange within Hong Kong and the Greater Bay Area, with the aim of building stronger regional partnerships and synergy.
- Showcasing BME technologies and the societal value of the engineering profession to the public.

- Facilitating knowledge exchange among the public sector, academia, trade & industry, healthcare institutions, and international BME community.
- Organising training, workshops, seminars, and technical visits to support professional development.
- Encouraging and inspiring young students and emerging engineers to pursue careers and long-term development in the BME field.

Memorandum of Understanding (MOU) with Shenzhen Medical Engineering and Equipment Association (深圳市醫學工程與裝備協會)

On 8 November 2025, the Biomedical Division entered into a Memorandum of Understanding (MOU) with 深圳市醫學工程與裝備協會. This marked a significant milestone in the Division's continued efforts to strengthen professional ties and expand its engagement within the Greater Bay Area (GBA).

The signing of this MOU reflected BMD's strategic commitment to fostering closer collaboration with peer professional bodies and stakeholders in the region. It provided a valuable foundation for enhanced exchange and cooperation in biomedical engineering, including professional activities, academic interaction, industry engagement, talent development, and the sharing of knowledge and experience. This collaboration was expected to create further opportunities for members of the Division to broaden their professional exposure and deepen their understanding of BME development across GBA.

The MOU also signified an important step in reinforcing the Division's role as a connector between Hong Kong and Mainland BME community. By establishing a formal partnership with a leading professional association in Shenzhen, BMD would be well positioned to promote stronger regional bonding, facilitate cross-boundary collaboration, and support the advancement of BME through joint initiatives and mutual exchange.

In the longer term, the collaboration would contribute positively to the Division's vision of building a more connected and collaborative BME network within the GBA. It opens the door to future cooperative activities such as seminars, technical visits, conferences, and professional exchange programmes, which will further enrich BMD's work and strengthen its regional presence. The MOU was signed with the kind endorsement of the Learned Society Board, and with the support and witness by Mr. Tony TAI, Ir Dr. CK LI, Ms Belle KWOK, Dr LING Fung, and Ir Karon LO. This MOU represented not only a formal agreement, but also a shared commitment to collaboration, professional exchange, and mutual development. This partnership would serve as a solid platform for sustained cooperation and would enhance the Division's contribution to the BME profession in Hong Kong and the Greater Bay Area.

HKIE 50th Anniversary “Together we RISE” Carnival

During 14–15 March 2026, the Biomedical Division participated in the HKIE 50th Anniversary “Together we RISE” Carnival, jointly with the Nuclear Division, and used the occasion as a meaningful platform to engage the wider community and promote BME to the public. Our booth attracted over 680 visitors, reflecting strong public interest and broad community reach.

At our booth, the theme focused on rehabilitation robotics, featuring demonstration of the 「希望之手」 rehabilitation system. Through live interaction and practical explanation, the booth helped translate BME concepts into everyday healthcare applications, making the subject more accessible and relevant to the public. Visitors showed particular interest in topics such as career pathways in BME, university programmes, the relevance of the enactment of medical device legislation, and upcoming BME events.

Overall, the carnival successfully brought together professionals, volunteers and members of the public, while enhancing awareness of BME and strengthening the Division’s connection with the community. The event not only showcased the societal value of BME, but also reinforced the Division’s commitment to public education, professional outreach and inspiring future interest in the profession.

Technical Visit to Leading Medical Device Enterprises in Shenzhen, GBA

On 11 April 2026, the Biomedical Division organized a technical visit to Shenzhen to strengthen professional exchange and deepen engagement with the BME and medical device industry in the Greater Bay Area. The programme included visits to Mindray (邁瑞科技), a leading medical technology company with strengths in patient monitoring, medical imaging and in-vitro diagnostics, and SonoScape (開立醫療), a major medical device enterprise specialising in ultrasound, endoscopy and related clinical solutions.

The visit was attended by over 20 participants from the civil service, universities, healthcare facilities, and industry, reflecting the Division’s role in connecting stakeholders across different sectors of the BME community. Through the visits, participants gained valuable insights into the latest developments in medical technology, industrial innovation, and the rapid growth of the medical device sector in Shenzhen.

The programme also provided a meaningful platform for cross-sector exchange, allowing participants to share perspectives from academic, clinical, and industrial settings. In addition to broadening professional exposure, the visit strengthened professional bonding among members and industry counterparts and encouraged closer interaction within the Greater Bay Area. The visit

was well-received by BMD members, and very positive comments were given by the participants after the visit.

Biomedical Engineering Conference 2026

The Biomedical Division was actively preparing for the Biomedical Engineering Conference 2026 (BME2026), which would be held on 29 May 2026 at the Charles K. Kao Auditorium, Hong Kong Science Park. Under the theme “Bridging Technology and Care: Innovation for Better Health”, the Conference is expected to serve as a major professional platform for knowledge exchange, collaboration, and dialogue among stakeholders in BME and healthcare innovation. BME2026 would also commemorate the 20th anniversary of the forming of the Biomedical Discipline in HKIE.

The Conference would bring together distinguished speakers from academia, healthcare institutions, government, and the industry worldwide. According to the current preliminary programme, the event would feature an opening keynote, multiple invited talks, posters session, and networking opportunities throughout the day. The speaker lineup would include representatives from the Greater Bay Area International Clinical Trial Institute (深圳市醫學工程與裝備協會), local universities, Government Departments, the Hospital Authority, the Hong Kong Productivity Council, and industry leaders, reflecting the broad and cross-disciplinary nature of the BME profession.

As one of the Division’s key initiatives for the year, BME2026 aimed to provide an opportunity for participants to exchange insights on emerging technologies, innovation translation, healthcare applications, and future development of the BME field.. The Conference was expected to further strengthen connections among innovation, research, clinical investigation, regulatory compliance and product commercialisation, allowing the public to enjoy early access to new and proven biomedical technologies

We look forward to BME2026 as an important highlight of the Division’s work in 2026, and we are confident that the event will further enhance professional exchange, inspire collaboration, and contribute positively to the continued development of BME in Hong Kong and the region.

Webinars, competition and conference

To support promoting BME knowledge and STEM education, the Division also organised various webinars to members and the public, including-

- 6th BME Innovation Competition 第六屆騰訊小紅花科創家之「愛·創耆樂」
- Innocarnival 2025 – Seminars
- Technical Webinar on "AI-Powered Smart Wearable for Continuous Blood Pressure and Health Monitoring"
- Technical Webinar - Innovative Biomedical Imaging Platform for Vital Organ Community and Home Screening

I am truly grateful to of our Committee Members and helpers for their active participation and devotion, which are crucial in making BMD operational and flourishing throughout the year. Last but not least, my heartfelt gratitude goes to HKIE Headquarters and other Divisions for the unfailing support and enthusiasm to rise together.

In the upcoming year, BMD will continue to promote the discipline and the profession, organise learned society activities, and attract young talents to the BME profession. I am confident that the new Chairman and the Committee will lead the Division to new heights, fostering healthy growth and making significant contributions that will benefit our BME profession, industry, and the community.

List of Committee Members for Session 2025/2026

<u>Post</u>	<u>Title</u>	<u>Name</u>
Chairman	Ir	CHOW Yuk Ki Yorkie
Immediate Past Chairman (IPC)	Ir	TSE Lok Him
Council Member (Division)	Ir Prof	CHAN Wai Yan Kannie
Deputy Chairman	Ir Prof	CHAN Wai Yan Kannie
Honorary Secretary	Ir	LO Yuk Hong Karon
Honorary Treasurer	Ir	SHUM Ka Yu Sam
Ordinary Committee Member	Mr	TAI Chi Wah Tony
Ordinary Committee Member	Ir	LEUNG Cristina
Ordinary Committee Member	Ir	HEUNG Chi Hang Jerry
Ordinary Committee Member	Ir Dr	LI Chi Kwong CK
Ordinary Committee Member	Ir	CHUNG Ki Tung Andy
Ordinary Committee Member	Ir Prof	LIN Yuan
Ordinary Committee Member	Ir	LEUNG Karchun Karl
Ordinary Committee Member	Dr	CHAN Russell Wade
Ordinary Committee Member	Dr	YEUNG Ling Fung
Ordinary Committee Member	Mr	PANG Cheuk Wai Bryan
Ordinary Committee Member	Mr	YAU Kai Pui
Ordinary Committee Member	Ir	SIN Ka Man Carmen
Ordinary Committee Member	Ir	HUI Man Lok Arvin
Ordinary Committee Member	Dr	TANG Hin Long Anson