

2025



STATE OF THE ALLIANCE

Uniting The Clinical Engineering Profession Across the Globe

www.globalcea.org





STATE OF THE ALLIANCE

Uniting The Clinical Engineering Profession Across the Globe

FROM MANY COMES ONE – MESSAGE FROM THE PRESIDENT

Written by Yadin David



As we look back on 2025, it is with deep pride and gratitude that I share the Global Clinical Engineering Alliance's annual State of the Alliance Report. What began just five years ago as a vision for uniting clinical engineers and technologists across borders has become a vibrant global community—now more than 50,000 strong, representing 66 countries and every continent. Together, we have built not just an organization, but a movement that advances safe, effective, and innovative healthcare technology for all.

This year has been extraordinary. We honored the **10th Anniversary of Global Clinical Engineering Day**, underscoring the recognition and visibility our profession has earned. We prepared for the **6th ICEHTMC Congress in Shenzhen, China**—the largest, most diverse gathering of our field ever. We saw the **Global Clinical Engineering Journal reach new heights**, publishing its most extensive volume to date, and expanded our **awards program** to celebrate excellence, collaboration, and lifetime contributions. Most importantly, we launched initiatives that will shape the future of our profession: the **Global Clinical Engineering Accreditation Program**, expanded **free online education and training program** and publication that **share knowledge worldwide**, and an award to spotlight the **100 Best Global Health Products**.

These achievements are not the story of one organization alone, but of thousands of professionals, volunteers, and partners who gave their time, talent, and passion. From GCEA Advisory Council members and Scientific Program leaders to industry collaborators, academic partners, and policy advocates — together we are forging a stronger, more unified global profession.

As we move forward, let us carry this momentum with renewed energy. The decade ahead holds **unprecedented opportunities for clinical engineering** to shape healthcare outcomes, elevate safety and quality, accessibility, and ensure that appropriate technology serves every patient, everywhere.

KEY ACHIEVEMENTS

1. Expanding Global Membership

- Membership surpassed 50,000 professionals from over 66 countries across six continents.
- Strong growth in Asia, Africa, and Latin America through new institutional partnerships.
- Increased engagement of students and early-career engineers through mentorship and professional development initiatives.
- Produced a 7-minute video telling the GCEA story of evolution, growth, professionalism, innovation, synergy, and strong commitment to better healthcare everywhere.

2. Advancing Knowledge & Education

- Salon Series launched: U.S.–China hospital exchanges (Mass General, Cedars-Sinai, MD Anderson, Stanford) sharing best practices in CE leadership, digital health, and safety.
- Traveling CE Programs: storytelling and benchmarking sessions with CE leaders from Ghana, Italy, Singapore, Greece, Canada, Israel, Egypt, and more.
- Expanded online free offering of courses and webinars on AI, risk management, planned maintenance, and regulatory harmonization.
- In a collaboration with AMTZ created the Universal Clinical Engineering Federation (UCEF) to promote international capacity to sustain technological services during disastrous events.

3. Strengthening Standards & Accreditation

- Release of the Global Clinical Engineering Accreditation Program (GCEAP) Standards Manual, Edition 1.0 (2025).
- Integration of ISQua EEA principles, ISO 14971, and IEC 60601 guidelines into assessment rubrics.
- Launch of pilot accreditation projects with hospitals in Asia, Latin America, and Europe.

4. Publishing & Recognition

- The Global Clinical Engineering Journal (GCEJ) reached quarterly publication with bilingual (English & Mandarin), and online free readership.
- Expanded international editorial board (25+ members, 400+ reviewers).
- Advancing beyond Scopus and progressing toward ESCI indexing.
- Transition plan from Diamond to Gold OA, with fee waivers until Dec 31, 2025, and discounts for LMIC authors afterwards.
- New awards introduced: Yuanhai & Hyman Academic Award, Mario Castañeda Global Collaboration Award.
- New additional awards announced for 2026: Best Global Clinical Engineer, Lifetime Achievement, and Best Global 100 Health Products awards.

5. Partnerships & Advocacy

- Collaborations expanded with WHO, AAMI, AIIC, ISQua, AMTZ, CMBES, INBIT, LACES, MEEMPA, and leading academic hospitals.
- Published the first in a series of guided documents from AAMI library – the HTM Benchmarking Guide in 9x languages all with free access and recorded over 400 downloads.
- Active engagement in policy dialogues on AI guardrails in healthcare, outsourcing of CE services, and global regulatory harmonization.
- Initiated a new collaboration platform – the Global MedTech Alliance (GMA) dedicated to uniting manufacturers, distributors, and stakeholders across the health technology sector to advance global access to safe, innovative, and effective healthcare solutions to all.
- Promoted CE recognition in national healthcare frameworks.

LOOKING AHEAD: 2026 AND BEYOND

The successes of 2025 are not an endpoint, but a launchpad. The Global Clinical Engineering Alliance is entering a new decade with a bold purpose: to deepen our impact, extend our reach, and secure our place as a driving force for safe, effective, and sustainable healthcare technology worldwide.

In 2026, we will build on the legacy of the **6th ICEHTMC Congress in Shenzhen**, using it as a springboard for a new era of global collaboration, knowledge exchange, and manufacturers and distributors' collaboration. The **Global Clinical Engineering Accreditation Program (GCEAP)** will expand from pilots into a trusted, international benchmark for excellence, giving healthcare institutions worldwide a shared framework for continuous quality improvement.

We will take a leading role in shaping the safe integration of **AI and digital health**, ensuring that innovation serves patients ethically, responsibly, and effectively. Through stronger **regional chapters and member-driven initiatives**, our community will become more inclusive, empowering every clinical engineer and technologist – from students to seasoned leaders – to contribute to our shared mission.

In alignment with GCEA's mission to expand the global body of clinical engineering knowledge, 2026 marks the continuation of our call for **book manuscript submissions** from professionals, researchers, and educators worldwide. This initiative aims to curate authoritative volumes that advance best practices, innovation, and leadership in health technology management.

The first two books in this series set a high standard of excellence:

- **Hospital Safety: Engineering the Healing Environment**, a comprehensive work of **21 chapters** authored by international experts, presenting practical approaches to risk management, facility design, and patient safety.
- **Artificial Intelligence and Intelligent Systems in Healthcare**, the inaugural volume in GCEA's "Cutting-Edge Technology Series," exploring the transformative role of AI, data analytics, and automation in clinical engineering practice.

Both titles will be available through **Amazon, Kindle, and the GCEA website**, serving as essential resources for the next generation of healthcare technology professionals. The Alliance continues to **invite new manuscript proposals** for 2026 and beyond, focusing on emerging areas such as digital health integration, sustainability, and innovation management.

Our **Global Clinical Engineering Journal** will continue to grow in influence and visibility, advancing toward full international indexing and reaching new audiences across disciplines. At the same time, our **awards and recognition programs** will expand to celebrate not only individual and institutional achievements, but also the technologies and collaborations that shape healthcare delivery.

Finally, through long-term **sponsorships, strategic partnerships, and financial resilience**, we will secure the sustainable growth of GCEA as a trusted and enduring global institution.

APPRECIATION

The progress of 2025 would not have been possible without the tireless contributions of:

- All of the **GCEA Advisory Council Members**.
- Members and Volunteers of the **Scientific Program Committee** of ICEHTMC 2025.
- **Editorial Board** of GCEJ.
- **Global partners and sponsors**.

With profound respect and appreciation, I thank you for entrusting me with the honor of serving as President of the Global Clinical Engineering Alliance. United, we demonstrate that from many comes one—a global alliance dedicated to transforming healthcare through clinical engineering expertise improving healthcare for every community, everywhere.

Yadin David

President | www.globalcea.org



E: president@globalcea.org

A: GCEA, Global Clinical Engineering Alliance





VISION & MISSION



GCEA MISSION

To serve as a global hub, uniting national Clinical Engineering associations and healthcare stakeholders to harness Clinical Engineering expertise and healthcare technologies. Our mission is to maximize the benefits for patients and care providers from Clinical Engineering expertise and healthcare technology, while minimizing technology-related risks and costs.

GCEA VISION

To Optimize the development and deployment of safe, connected, and efficient healthcare technologies by fostering global collaboration and aligning clinical engineering expertise and competencies.



- INCITE
- CONNECT
- EDUCATE
- ADVOCATE

GCEA GOVERNANCE

Following dedicated and methodological work by the Advisory Council team Led by Calil Saide, Mladen Poluta and Nicolas Pallikarakis, the Constitution and Bylaws articles guiding the governance of GCEA were updated and submitted for membership approval in the 2024 annual meeting at the GCEA website.

ESTABLISHING GOVERNANCE FOR OUR FUTURE

Advisorys' Council Declaration

The Global Clinical Engineering Alliance has established a new Advisory Council to offer essential guidance, expertise, and support to the President and the organization's operations. President and the organization's operations. By carefully selecting members with specialized expertise, a commitment to the GCEA mission, and diverse perspectives, the Advisory Council (AC) strengthens the organization's strategic direction, governance, credibility, integrity, and impact. The AC plays a vital role in advising and supporting the GCEA President by providing insights, expert recommendations, and informed guidance.

'AC members are senior leaders, recognized for their expertise and volunteering service, who serve alongside the officers elected in November 2023.'



Stefano Bergamasco – Italy
Professor Saide Calil – Brazil
Professor Daniel Clark – UK
Dr. Yadin David – USA
Prof. Nicolas Pallikarakis – Greece
Mladen Poluta – South Africa
Dr. James Wear – USA
Nata Zaman – UK
Professor Elliot Sloan – USA
Pedro Moreira – Portugal
Professor Li Bin – China
Ricardo Silva – Venezuela
Thomas Judd – USA
Wayne Morse – USA
Shauna Mullally – Canada

GCEA GOVERNANCE



Yadin David
USA / President



Mladen Poluta
ZAF / President Elect



Calil Saide
BRA / Past President



Nata Zaman
UK / Secretary General



Pedro de Britto Moreira Neto
BRA/ TREASURER



Kallirroï Stavrianou
UK/ Manager



Ricardo Silva
VEN / ADVISORY COUNCIL MEMBER
Global expert in Healthcare Digital Transformation and Innovation, Co-Founder of Foundation for Living, Wellness, and Health (FLWH).



Tom Judd
USA / ADVISORY COUNCIL MEMBER
WHO STAG MEDEV member, Past Board Chair IFMBE CED, and former CE National Project Director at Kaiser Permanente.



Shauna Mullally
CAN / ADVISORY COUNCIL MEMBER
Experienced Clinical Engineer and Collaborator of the IFMBE Clinical Engineering Division.



Stefano Bergamasco
ITA / ADVISORY COUNCIL MEMBER



Daniel Clark
UK / ADVISORY COUNCIL MEMBER



Li Bin
CHI / ADVISORY COUNCIL MEMBER



Nicolas Pallikarakis
GRE / ADVISORY COUNCIL MEMBER



Wayne Morse
USA / ADVISORY COUNCIL MEMBER



James Wear
USA / ADVISORY COUNCIL MEMBER



Elliot Sloane
USA / ADVISORY COUNCIL MEMBER

"Clinical Engineering professionals around the world are inspired by the remarkable dedication this Board has demonstrated to the profession."



**THE SECOND ELECTION OF THE OFFICERS FOR THE GLOBAL CLINICAL
ENGINEERING ALLIANCE TOOK PLACE IN OCTOBER 2025**

GCEA MEMBERSHIP



Membership at GCEA can be pursued through one of the application categories available online [GCEA | Memberships \(globalcea.org\)](https://globalcea.org).

Priority is placed on organizational membership, however, in recognition of the reality that many countries around the world are still without national clinical engineering association, or have associations that are dormant/inactive, individuals from such locations can elect to join as well. The categories of membership are followed on next page.

Capability Statement

With the collective experience of so many professionals working in every aspect of healthcare delivery and related support, GCEA has a wealth of knowledge of healthcare technology management and operation from around the world. Holding respect borne of its frontline members in hospitals and health settings, GCEA has the credibility to educate and promote technology-related governance regionally, nationally, and internationally.

Our stated **aim** is to have “**one voice internationally**” to represent the interests of Clinical Engineering and Health Technology Management professionals by promoting education and training, best practice, practical research, all with the express goal of building cross-disciplinary alliances and thus increasing access to safe, integrated, and efficient healthcare system while improving patient experience, outcomes, resource utilization and community wellness throughout the various global settings.

At the end of 2025, under the leadership of James Wear and the membership committee, GCEA had a total membership of **over 55,000** individuals. **Twenty-four (24) countries** have one or more societies and partners. There are **thirty-seven (37) individual members** from **thirty (30) countries** that have either brought a society into GCEA or are working to bring societies into GCEA. The membership straddles the European, Asian, American, and African regions. Next year larger focus will be placed on further growth of the GCEA membership village. In addition, there is also the opportunity to engage with GCEA around specific topics, projects, or goals that will be served better through wider collaboration.

Partners

The Alliance recognizes that there are also many organizations active in this or related fields who might wish to collaborate with GCEA on specific projects or in ongoing relationships to benefit patient care, but without wishing to become full members. These **partner collaborations are also encouraged**.

Membership Categories

MEMBERSHIP ORGANIZATIONS (MO)

- This is our primary membership category and is open to national and transnational societies and organizations representing clinical engineering partitioners (where this is interpreted in the broad sense to reflect local terminologies and structures).
- These societies and organizations -might- represent staff working in the field of clinical engineering in any employment setting: hospitals and other-healthcare settings, universities, industry, private practice and governmental and non-governmental organizations.
- Organizational members have full voting rights, their members can stand for elected office within GCEA, they have full rights to join working groups and committees, and they have full access to all GCEA resources.

INDUSTRY BASED ORGANIZATIONS AND ASSOCIATIONS (IBO)

- Individual companies and trade associations working in the field of healthcare technology.
- These members have restricted voting rights, can join working groups and committees, and have full access to all GCEA resources.

OTHER RELATED PROFESSIONAL ORGANIZATIONS (PO)

- Healthcare-related professional bodies, including those for medical, nursing, scientific, allied health, social care, healthcare engineering, administration and medical physics practitioners.
- Professional Organizations have restricted voting rights, can join working groups and committees, and have full access to all GCEA resources.

INDIVIDUAL MEMBERSHIP (IM)

- Individual membership is generally reserved for individuals working in countries of the world that are not represented by an Organizational Member.
- GCEA encourages the formation of national and transnational membership associations/societies and will support individual members in their efforts to establish these.
- Individual Members have full rights to join working groups and committees and have full access to all GCEA resources.

INTERNATIONAL OR REGIONAL PHILANTHROPICALLY, POLICY THINK TANK, FOUNDATIONS (IPF)

- Active in the field of healthcare including charities, non-governmental organizations and not-for-profit groups
- These members have restricted voting rights, can join working groups and committees, and have full access to all GCEA resources.

ASSOCIATES

- An Associate is a member who accepted the invitation or recommendation to join and to support the mission and objectives of the Global Community of GCEA by offering their professional expertise, training, and time.
- All Associate members must meet the requirements set by the Membership Committee and comply with the criteria outlined in Appendix A of GCEA Bylaw addressing Professional Experience, Commitment to GCEA Mission, Availability, Reputation and Integrity.

GCEA MEMBERS



Hellenic Society of Biomedical Technology
GREECE



INBIT - Institute of Biomedical Technology
GREECE



AIIC - L'Associazione Italiana Ingegneri Clinici
ITALY



JACE - Japan Association for Clinical Engineers
JAPAN



ABECLIN - Brazilian Association of Clinical Engineering
BRAZIL



CMBES - Canadian Medical and Biological Engineering
CANADA



IPEM - Institute for Physics and Engineering in Medicine
UNITED KINGDOM



BEAI - Biomedical / Clinical Engineering Association of Ireland
IRELAND



CEASA - The Clinical Engineering Association of South Africa
SOUTH AFRICA



APBIO - Peruvian Association for Bioengineering
PERU



CIB Mexican College for Biomedical Engineering
MEXICO



TBIO - Tanzania Bio-Electronics Information Organization
TANZANIA



TNBMEA - Tamilnadu Biomedical Engineers Association
INDIA



AMTZ - Andhra Pradesh MedTech Zone Limited
INDIA



Verlab Research Institute for biomedical engineering, medical devices and AI
BOSNIA & HERZEGOVINA



AFIB - French Association of Clinical Engineering
FRANCE



SEEIC - Spanish Society of Electromedicine and Clinical Engineering
SPAIN



FLWH - Foundation for Living, Wellness, and Health
USA



BWITA - Beijing Wise Innovation Technology Alliance
CHINA



ACHPS - Afghanistan Center for Health and Peace Studies
AFGHANISTAN



EBMES - Egyptian Biomedical Engineering Society
EGYPT



KIMSHEALTH
INDIA



NIMHANS
INDIA



Association for the Advancement of Medical Instrumentation
USA



NSBCE
NIGERIA



ABCEG
GEORGIA



MEEMPA
SAUDI ARABIA

GCEA MEMBERS



Association of Medical
Engineering of Kenya

AMEK
KENYA



Clinical Engineering Association- Bangladesh

CEAB
BANGLADESH



MEDOX
CHINA

INDIVIDUALS

Individuals from countries without an Association Member at GCEA

Pedro Galván (Paraguay) PY	Mohamed M. Omer (Sudan) SD	Victor Makwinja (Malawi) MW
Jean Ngoie (UK) GB	Christopher Nowak (USA) US	Freddy Matamoros Espinoza (Ecuador) EC
Manish Kohli MD (USA) US	Michael Walton (UK) GB	Fred Walter Hosea (Ecuador) EC
Barun Kumar Rauniyar (Nepal) NE	Zurab Sanikidze (Georgia) GE	Huma Abdul Rauf (Afghanistan) AF
Bashir Ahmad (Kenya) KE	Rawia Abed Awed Ali (Sudan) SD	Sadeq Ameen Khaled Mohammed Almahmodi (Yemen) YE
Ashenafi Hussein Ababu (Ethiopia) ET	Saed Nuh (Somalia) SO	Paul D. R. Taylor (Trinidad and Tobago) TT
Ledina Picari (Albania) AL	Elisha Sanoussi (Niger) NE	Greg Cabral (Belize) BZ
Millicent Alooh (Kenya) KE	Francine Umutesi (Rwanda) RW	Deborah Aloyo (Uganda) US
Abel Solomon (Ethiopia) ET	Evenel Osias (Haiti) HT	Tazeen Saeed Bukhari (Pakistan) PK
Franco Simini (Uruguay) UR	Bashir Ahmad (Kenya) KE	Ganizani Phiri (Zambia) ZM
Calin Corciova (Romania) RO	Sasikala Devi Thangavelu (Malaysia) MY	Andrei Issakov (former Soviet Republics)
Narayanaswamy Ramaswamy (Qatar) QA	George Boadu (Ghana) GH	Waqas Mehmood (Pakistan) PK

ASSOCIATES / PARTNERS



Pul Alliance for Digital Health and Equity, Inc.
USA



Humatem
FRANCE



International HealthTechScan
Europe



- **63** countries across every continent
- Over **55,000** members

EQUITY, DIVERSITY, ETHICS AND INCLUSION

Members: Dan Clark, UK; Shauna Mullally, Canada

GCEA is committed to promoting equality, diversity, inclusion, and ethics in our profession. Our core mission is to represent clinical engineering professionals worldwide as we work together to improve patient experiences, health outcomes, and the wellness of our communities. We believe that a foundation of ethical integrity and inclusiveness is essential to achieving these goals.

One of the strengths of our profession is our global and cultural diversity. This has been particularly evident over the past four years as we have emerged from the SARS COVID-19 pandemic together. However, we recognize that ethical challenges and inequalities still exist within our profession, as well as barriers that prevent some individuals from fully participating and shaping it in meaningful ways.

We are actively working towards a future that is more diverse, inclusive, and ethically driven for traditionally underrepresented voices, including women, people of color, individuals of all ages and abilities, those with diverse gender and sexual identities, those from low-resource settings, and those with varied levels of professional qualifications.

A more equal and ethical profession is better equipped to recruit and retain a workforce that reflects the full spectrum of patients, families, and communities we serve. This benefits everyone, as research consistently shows that diverse and ethically sound organizations experience enhanced collaboration, decision-making, creativity, and performance.

GCEA is dedicated to advancing equality, diversity, inclusion, and ethics by educating ourselves and others, assessing our work through these lenses, listening to voices traditionally not at the table, and encouraging our members and partners to do the same. Together, we can create a profession that not only serves but also exemplifies integrity, respect, and fairness in all its practices. Because **together we can make it better!**

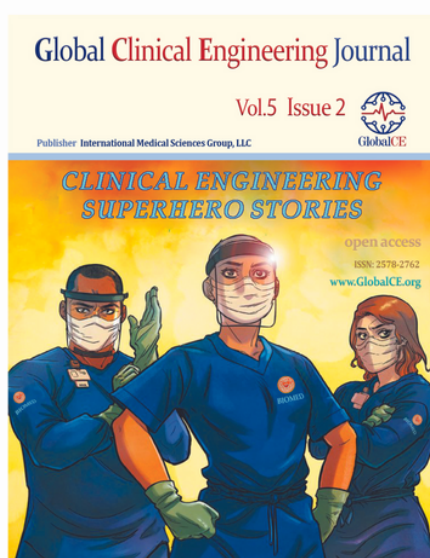
EVERYONE BELONGS HERE





GLOBAL CE JOURNAL

The Global Clinical Engineering Journal (www.GlobalCE.org) is an online, free, independently governed, quarterly publication that is affiliated with GCEA and serves as its scientific publication outlet. **It is the only international Clinical Engineering Journal uniquely focused on clinical engineering and health technology management topics.** Of the several new features the Journal is publishing **simultaneous version in Chinese.** Clinical Engineering and health professionals are members of the distinguished Editorial Board. The community of volunteer reviewers is growing, standing now at over 800 and readership has grown steadily.



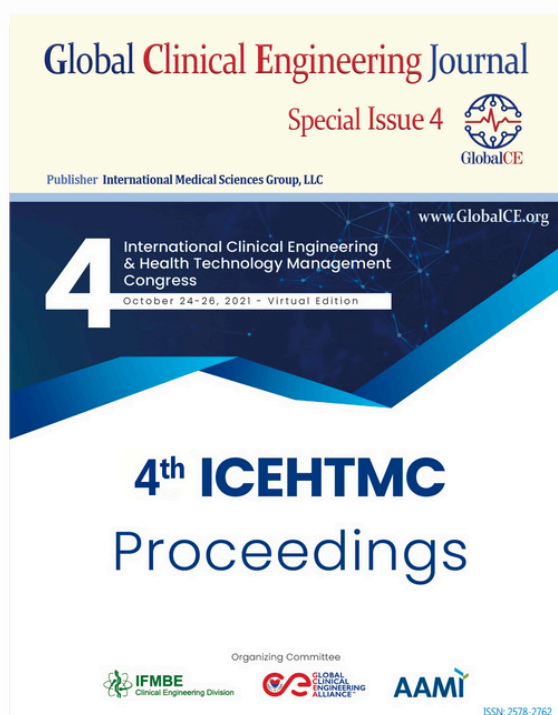


GLOBAL CE JOURNAL

The Journal has undertaken the major work of collecting, formatting, and publishing the abstracts, keynote speeches, and short courses from the 3rd, 4th, 5th and 6th International Clinical Engineering & Health Technology Management Congress.



DOI: <https://doi.org/10.31354/globalce.v5i515>



DOI: <https://doi.org/10.31354/globalce.v4i514>

DOI: <https://doi.org/10.31354/globalce.v2i0>



GLOBAL CE JOURNAL

Major milestones for Global Clinical Engineering Journal!



Our journal is now indexed by **Scopus**, making our research articles discoverable by a vast audience of researchers and academics worldwide. This is a significant step in increasing the visibility of the only journal dedicated to Clinical Engineering and providing a wider platform for our authors. While our initial Scopus **Citescore** is naturally low, we view this as an exciting starting point. With your continued support, we're confident that Global Clinical Engineering Journal will publish high-quality research that will be widely cited and influential in the field.

From April 1, 2025, GCEJ transitioned from Diamond OA to **Gold OA** to ensure sustainability and continued growth and is also now indexed in the list of registries shown in the right column.

Now, more than ever, you have all the reasons to publish your work in Global CE Journal!



ARCHIVED IN



PORTICO



INTERNATIONAL COMMITTEE of
MEDICAL JOURNAL EDITORS





GLOBAL CE JOURNAL

Visits have doubled in **Aug 2025** compared to **Aug 2024**!

Reported period	Month Aug 2024				
First visit	01 Aug 2024 - 00:02				
Last visit	31 Aug 2024 - 23:58				
	Unique visitors	Number of visits	Pages	Hits	Bandwidth
Viewed traffic *	5,283	8,015 (1.51 visits/visitor)	40,856 (5.09 Pages/Visit)	253,441 (31.62 Hits/Visit)	14.13 GB (1848.14 KB/Visit)
Not viewed traffic *			59,255	91,840	7.33 GB

Reported period	Month Aug 2025				
First visit	01 Aug 2025 - 00:04				
Last visit	31 Aug 2025 - 23:34				
	Unique visitors	Number of visits	Pages	Hits	Bandwidth
Viewed traffic *	11,242	18,111 (1.61 visits/visitor)	72,246 (3.98 Pages/Visit)	244,482 (13.49 Hits/Visit)	30.92 GB (1790.26 KB/Visit)
Not viewed traffic *			53,377	70,266	8.55 GB

Total visits nearly doubled in **2025** compared to **2024**!

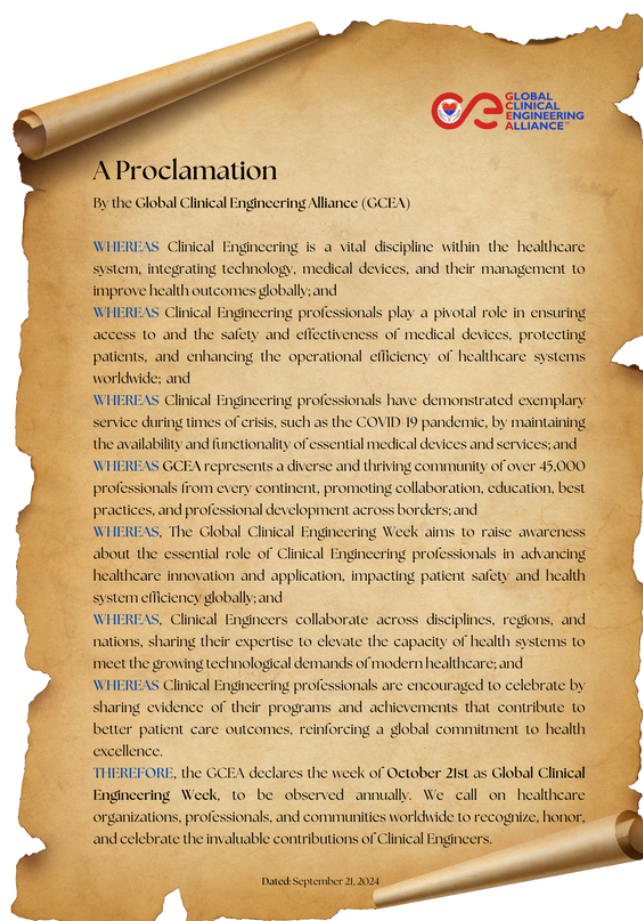
GLOBAL CLINICAL ENGINEERING WEEK CELEBRATION



In commemorating the date of the first International Clinical Engineering & Health Technology Management Congress (ICEHTMC) in 2015, viz. October 21, every year since has seen the clinical engineering global village celebrate contributions made **by clinical engineering professionals** around the world **towards** the improvement of patient care outcomes. The reasons for celebrating are evident and are listed in the publication that highlighted 400 such achievements: "Impact Analysis: CE Success Stories (Clinical Engineering Handbook, 2nd edition, Academic Press, Chapter 39, pp. 243-252, 2020). The number of countries participating has been grown from the first year to presently include every continent. Visitors have been educated and enjoy reading and watch videos archived at [GCEA | Global CE Day/Week \(globalcea.org\)](https://globalcea.org). Due to the large volume of submitted content and that October 21 may fall on weekends, we have expanded the celebration to a week, renaming the recognition event to **"Global Clinical Engineering Week Celebration"**.



Over 1,500,000 touches during the
2023 Global CE Day celebration
livestreamed from China



A Proclamation

By the Global Clinical Engineering Alliance (GCEA)

WHEREAS Clinical Engineering is a vital discipline within the healthcare system, integrating technology, medical devices, and their management to improve health outcomes globally; and

WHEREAS Clinical Engineering professionals play a pivotal role in ensuring access to and the safety and effectiveness of medical devices, protecting patients, and enhancing the operational efficiency of healthcare systems worldwide; and

WHEREAS Clinical Engineering professionals have demonstrated exemplary service during times of crisis, such as the COVID 19 pandemic, by maintaining the availability and functionality of essential medical devices and services; and

WHEREAS GCEA represents a diverse and thriving community of over 45,000 professionals from every continent, promoting collaboration, education, best practices, and professional development across borders; and

WHEREAS The Global Clinical Engineering Week aims to raise awareness about the essential role of Clinical Engineering professionals in advancing healthcare innovation and application, impacting patient safety and health system efficiency globally; and

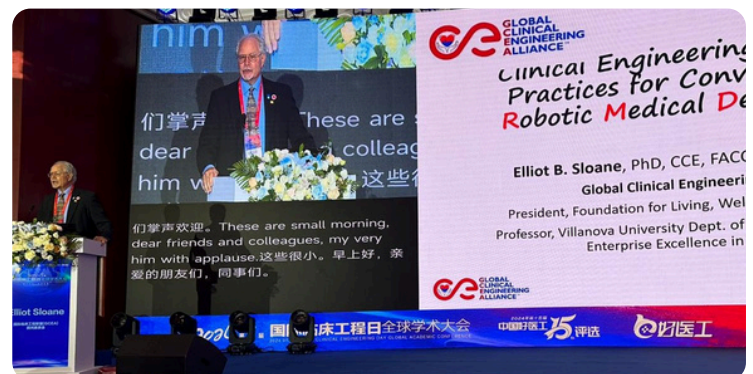
WHEREAS Clinical Engineers collaborate across disciplines, regions, and nations, sharing their expertise to elevate the capacity of health systems to meet the growing technological demands of modern healthcare; and

WHEREAS Clinical Engineering professionals are encouraged to celebrate by sharing evidence of their programs and achievements that contribute to better patient care outcomes, reinforcing a global commitment to health excellence.

THEREFORE, the GCEA declares the week of October 21st as Global Clinical Engineering Week, to be observed annually. We call on healthcare organizations, professionals, and communities worldwide to recognize, honor, and celebrate the invaluable contributions of Clinical Engineers.

Dated September 21, 2024

Global CE Day/Week



The main scope of this annual celebration is to gather our international community for an event that will **focus on sharing international CE milestones** that will inspire others to keep pushing our profession into a new horizon.

We're thrilled to share that the 2024 9th Global Clinical Engineering Week, Global Academic Conference has been a resounding success!

Clinical Engineers from around the world have contributed their valuable insights and expertise, showcasing the incredible impact they have on patient care. Thank you to all international societies and colleagues who shared their accomplishments!



BREAKING NEWS

2024 THE 9TH GLOBAL CLINICAL ENGINEERING WEEK

GLOBAL CLINICAL ENGINEERING ALLIANCE

GLOBAL ACADEMIC CONFERENCE

ZHENGZHOU
HENAN PROVINCE
CHINA

Record breaking for the Online Streaming views

Main Forum:	657,497
Sub-forum 01:	129,363
Sub-forum 02:	128,105
Sub-forum 03:	144,997
Sub-forum 04:	118,023
Sub-forum 05:	73,901
Sub-forum 06:	76,055

GLOBAL CLINICAL ENGINEERING SUMMIT



The international community of clinical engineering professionals has historically lacked opportunities to identify whether common international challenges exist, and when possible to rank order their significance. This changed during the 1st ICEHTMC held in Hangzhou, China in October 2015.



30 experts from around the world convened, including representatives from WHO, and debated and articulated a list of common challenges. They proposed an action plan that resulted in collection of evidence-based achievements towards improvement of patient care outcomes made by clinical engineering professionals. This manuscript was published and presented at the World Health Assembly noting that **Together, we can make it Better.**

Every two years the Global CE Summit is convened as part of an ICEHTM Congress and the list of challenges is updated, ranked, and the next action plan drafted. From the modest start in Hangzhou the Summit has grown to a much larger event, the most recent being the 5th ICEHTMC hybrid congress held in November 2023 (5th ICEHTMC).

GCEA will continue to facilitate opportunities for recognizing the most important challenges to the CE village and together with other key stakeholders such as WHO will work to address them.



"Knowing that our service is meaningful makes my mission easier and myself the happiest person"



World Health Organization (WHO)

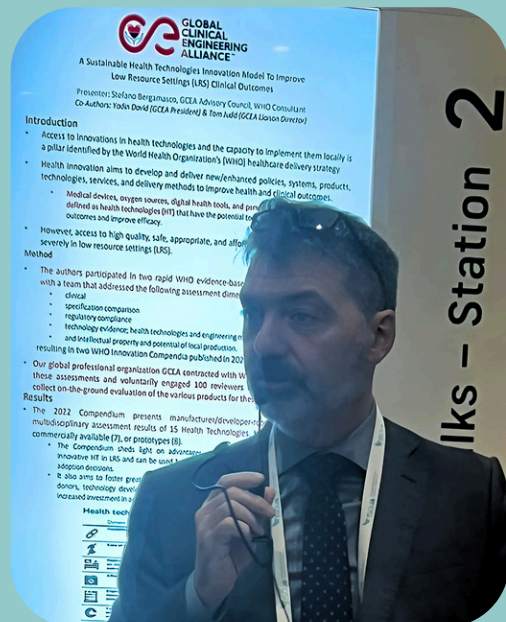
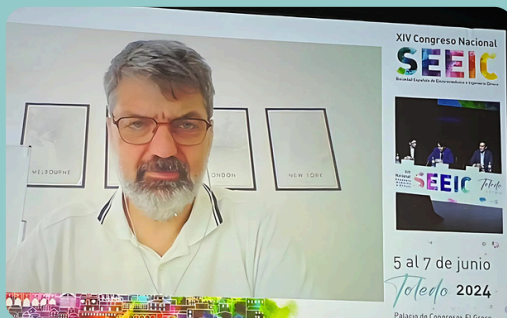
GCEA's expertise was recognized by the WHO through three significant contracts that included contributions to the development of the 2021 and 2022 Compendiums. AC members Thomas Judd and Yadin David, along with many GCEA and CED members, collaborated with WHO counterparts to conduct field evaluations of healthcare innovations within a tight timeline. These projects required over 1,000 hours of volunteer work and contributed \$62,000 to the GCEA treasury. Appreciation is extended to all involved in these essential COVID-19 related efforts.

Following these successful initiatives, GCEA AC member Stefano Bergamasco and MedTech Projects completed another WHO project last year, supporting the development and revision of content for the WHO Priority Medical Device Packages Information System (MeDevPacks). Now, GCEA has applied to become a Non-State Actor member of WHO—a status that, if granted, would give GCEA a unique international platform to collaborate directly with Ministries of Health worldwide.





Promoting the discipline to Member Organizations



Online Presence



The GCEA is an international not-for-profit organization that represents

the Clinical Engineering field worldwide and guides its evolution.



26 Projects Delivered

EHTMC, Global CE Summit, Global CE Journal, WHO Innovation, and more!

6 Volumes Published

in the only global journal dedicated to Clinical Engineering.

15 Council Members

International experts that represent every continent in the world.

6 International Recognition Awards

For Clinical Engineering Outstanding Contributions and Discoveries.

In a world fundamentally transformed by the Covid pandemic, where rapid communication and online networking have become the norm, individuals and organizations now live, interact, learn, work, socialize, and entertain themselves primarily through digital channels.

Consequently, GCEA has created a vibrant presence within the 'internet of things' by launching a dedicated website, engaging in social media outreach, offering a streaming video channel, and implementing electronic email campaigns. The GCEA website (www.GlobalCEA.org) serves as a valuable resource for current information.



GCEA Social media recorded more than **2,980 Touches** and Mailing Campaigns recorded more than **435K Touches** in 2024-2025.

In total GCEA website reached more than **3,800,000 Touches** in 2024-2025 and **10,500 views** in YouTube.

Policy Committee report

By **Stefano Bergamasco**
Chairperson

As Chair of the Policy Committee I am honored to present this report to the membership of the Global Clinical Engineering Alliance (GCEA) at the 6th International Clinical Engineering and Health Technology Management Congress (ICEHTMC 2025).

The Policy Committee of the Global Clinical Engineering Alliance (GCEA) has the mandate to ensure that all activities of the Alliance remain consistent with the Constitution and Bylaws of the organization. In this role, the Committee provides oversight on matters of governance, reviews and proposes amendments when necessary, and offers recommendations to the Executive Board and the General Assembly. By maintaining the integrity of GCEA's foundational documents, the Policy Committee safeguards the functioning of the Alliance and supports its mission to represent and advance the global clinical engineering community.

ACHIEVEMENTS IN 2025

During the past year, the Policy Committee has worked diligently to review existing governance provisions and to align them with the evolving needs of the Alliance.

Key achievements include:

- **Amendments to the Bylaws:** The Committee, with the determinant input from the Past President and significant discussions with other GCEA Officers, reviewed some sections of the Bylaws, in particular those dedicated to officer elections and General Assembly attendance and voting. Amendments were proposed to clarify the nomination and voting process, with the goal of ensuring transparency and fairness. These amendments were submitted to the Executive Board and were formally approved.
- **Proposed amendments to the Constitution:** The Committee also identified areas of the Constitution requiring clarification or modernization. Draft amendments were prepared and submitted to the Executive Board. While these proposals have been welcomed and are currently under discussion, they have not yet received final approval. In accordance with the formal procedure, these amendments will need to be presented to and voted upon by the General Assembly, which naturally requires more time and consultation.

These efforts reflect the Committee's ongoing commitment to strengthening the governance framework of GCEA.

Policy Committee report

LOOKING AHEAD

Looking forward, the main focus of the Policy Committee will be the development of a framework for the creation of regional chapters of the Alliance, possibly modeled on the World Health Organization's regional structure (e.g., Europe, Africa, Americas, South-East Asia, Eastern Mediterranean, Western Pacific). The establishment of regional chapters would provide several benefits:

- Closer engagement with members in different parts of the world.
- Enhanced responsiveness to regional priorities, challenges, and opportunities in clinical engineering.
- A more structured pathway for knowledge-sharing and collaboration across regions.
- Strengthened capacity for regional representation within the global framework of GCEA.

The Committee believes that regional chapters will be a valuable step toward making GCEA more inclusive, representative, and agile in responding to the needs of its diverse membership. This initiative will be developed carefully to ensure consistency with the Constitution and Bylaws, while maximizing the benefits of regionalization.

CLOSING REFLECTIONS

The work of the Policy Committee is made considerably easier by the fact that the leadership and members of GCEA remain deeply committed to the spirit of the Constitution and Bylaws. This shared commitment to principled governance ensures that the decisions taken by the Alliance are consistently aligned with its founding values and objectives. The Policy Committee is grateful for this collaborative environment and looks forward to continuing to support GCEA's mission in the year ahead.

Secretary General's report

By **Nata Zaman**

The Secretary General is honored to present this report to the membership of the Global Clinical Engineering Alliance (GCEA) at the 6th International Clinical Engineering and Health Technology Management Congress (ICEHTMC 2025).

This past year has been defined by preparation, mobilization, and strengthened engagement across our global community, ensuring that the Alliance enters Shenzhen with record participation and renewed momentum. The work of the Secretary General has focused on three principal areas: member outreach and engagement, communications and campaigns, and operational effectiveness.

ACHIEVEMENTS IN 2025

Member Outreach and Engagement

A central priority has been strengthening the connection between GCEA and its member societies. Over the past year, a coordinated outreach program encouraged abstract submissions, award nominations, and officer applications for ICEHTMC 2025. Tailored toolkits and resources were provided to national associations, enabling them to mobilize their own memberships with clear and consistent messages.

Direct engagement with societies such as ABECLIN, AFIB, CEAB, NSBCE, and MEEMPA was a highlight of this year, ensuring their voices were well represented in the Congress. This deeper engagement has expanded GCEA's visibility while empowering national bodies to showcase their achievements on the global stage.

Communications and Campaigns

The Secretary General oversaw the delivery of major campaigns to support ICEHTMC 2025. These included early bird registration drives, officer roll nomination and award nomination campaigns, and structured flows of communication via email and social media. A strong emphasis was placed on multilingual communication, widening access and inclusivity across all regions.

A key achievement has been the strengthening of GCEA's regular communication channels, including the roll-out of the monthly newsletter. This platform has provided members with timely updates, opportunities, and global highlights, improving awareness and reinforcing GCEA's role as a central hub for information and collaboration.

Operational Effectiveness and Support

Operationally, the Secretary General completed a review of digital platforms and communication tools to ensure efficiency and impact. This has helped streamline activities and improve sustainability, ensuring resources are directed toward initiatives that bring the greatest value to members.

Secretary General's report

The Secretary General has also supported the work of key committees, particularly the Membership Committee and Awards Committee, by providing communication and operational support to ensure their initiatives reached the widest possible audience. This has included amplifying calls for membership applications, award nominations, and officer elections.

Preparations for ICEHTMC 2025

Significant effort has gone into preparing for the ICEHTMC Congress. The Secretary General supported the Scientific Committee in reviewing abstracts, grouping submissions, and shaping sessions to ensure balanced representation across themes and regions.

LOOKING AHEAD

Deepening Member Engagement

- Expand the “Country Focus” communications program, highlighting more national societies throughout the year.
- Support societies in low- and middle-income countries with resources to mobilize their members.
- Recruit more volunteers into committees to increase regional balance.

Strengthening Communications

- Maintain and grow the monthly newsletter, with contributions from all regions.
- Expand multi-language communication materials to make GCEA campaigns more accessible globally.
- Develop a structured year-round engagement calendar for campaigns, ensuring consistent visibility beyond major events.

Supporting Committees and Governance

- Provide communication and operational support to the Membership Committee, Awards Committee, and Educational Program Committee as they expand their initiatives.
- Continue to align committee activities with the revised GCEA bylaws and constitution.

Training Academy

- Support the launch of the GCEA Training Academy, providing structured short courses, webinars, and technical modules for clinical engineers worldwide.
- Establish the first set of academy partners (universities, professional societies, and industry groups) to co-develop content.
- Promote the Academy as a global hub for education, with emphasis on LMIC access and multilingual resources.

Secretary General's report

Expanding Partnerships and Industry Engagement

- Strengthen collaboration with academic partners for research, training, and student pathways into clinical engineering.
- Grow industry partnerships to support innovation, sponsorship, and joint events, ensuring industry becomes an active contributor to global CE development.
- Establish a framework for academy–industry partnerships, linking the Training Academy with real-world technology and expertise.

Operational Priorities

- Conduct another operational review of platforms and tools to ensure cost-effectiveness and member value.
- Support fundraising and sponsorship strategies to sustain GCEA activities.
- Explore opportunities for GCEA to formalize its role with WHO and other international bodies.

CLOSING REFLECTIONS

As the Alliance looks beyond Shenzhen and into 2026, the Secretary General's focus will be on consolidating the momentum generated through this Congress and ensuring that GCEA continues to expand in reach, influence, and impact. The successful delivery of ICEHTMC 2025 will serve as a springboard for the next phase of growth, particularly through the launch of the GCEA Training Academy, which will provide structured courses, webinars, and technical modules for clinical engineers worldwide. Establishing strong academy partners from universities, professional societies, and industry will be central to building a sustainable and accessible platform.

Strengthening industry engagement will also be a priority. Ensuring that companies and technology providers are active contributors to GCEA's educational, research, and sponsorship activities will help create a stronger bridge between innovation and practice. In parallel, collaboration with academic partners and national societies will deepen, aligning global resources with local needs and extending support to low- and middle-income countries.

The Secretary General will also continue to refine GCEA's communication platforms and operational practices, maintaining cost-effectiveness while maximizing member value. Support for the Membership, Awards, and Education Committees will remain a key part of this work, enabling them to expand their initiatives and deliver greater impact.

Together, these priorities will position GCEA not only as the global advocate for clinical engineering but also as a practical enabler of training, partnerships, and professional development. The progress made in 2025 has laid strong foundations, and the year ahead offers an opportunity to build on this momentum, delivering even greater value to members and advancing the profession worldwide.

GCEA Members Newsletter



GCEA Quarterly News Letter

Issue 01 | January 2025



GCEA Longterm Strategy

The Global Clinical Engineering Alliance (GCEA) is steadfast in its commitment to advancing the field of clinical engineering, fostering collaboration, and setting a path for future growth that embraces innovation, education, and global standards. As we step into a new year, we outline our comprehensive long-term strategy designed to address the evolving landscape of healthcare technology and clinical practice. This strategy focuses on five key pillars:

[Read more](#)

- In This Issue:
- GCEA Journal: Building Better Healthcare
- Updates from the GCEA
- Member Spotlight

- Global Clinical Engineering News
- Research & Innovation Corner: AI in Healthcare
- Upcoming Events & Conferences
- Professional Development
- Member News



AAMI Signs MOU with GCEA

The Association for the Advancement of Medical Instrumentation (AAMI) and the Global Clinical Engineering Alliance (GCEA) have signed a Memorandum of Understanding (MOU) to collaborate on global healthcare technology management (HTM) and clinical engineering (CE) efforts. This partnership aims to enhance standards, best practices, and educational programs worldwide. AAMI and GCEA will co-market events, create educational resources, and expand international research for HTM professionals. This agreement highlights the commitment of both organizations to improving healthcare delivery through innovation, safety, and technology management.

[Read more](#)



Save the Date! November 2025

6th ICEHTMC

A new opportunity for CE Development & Networking
The most important Clinical Engineering event worldwide!

[Read more](#)



GCEA Technician/Technologist Leadership Award

[Read more](#)



GCEA Jiang YH/WH Global Academic Award for outstanding contributions to the Clinical Engineering discipline

[Read more](#)



Update from Annual member's meeting

[Read more](#)



Member's Section

[Read more](#)



Global Clinical Engineering Alliance, 8271 SE 57th ST, Mercer Island, WA 98040 United States

[Website: GCEA.org](#)

Call for Content: Contribute to the GCEA April 2025 Newsletter!

We invite all GCEA members to share news, insights, and announcements for inclusion in our upcoming April 2025 newsletter. This is an excellent opportunity to showcase your work, highlight recent projects, or share advancements and updates from your organization with the broader clinical engineering community. Please submit your content by March 2025 to ensure your contributions are included in the next issue. Articles, event announcements, research summaries, and thought leadership pieces are all welcome.

Let's make the April edition a true reflection of the vibrant, global GCEA community! Send your contributions or inquiries to:

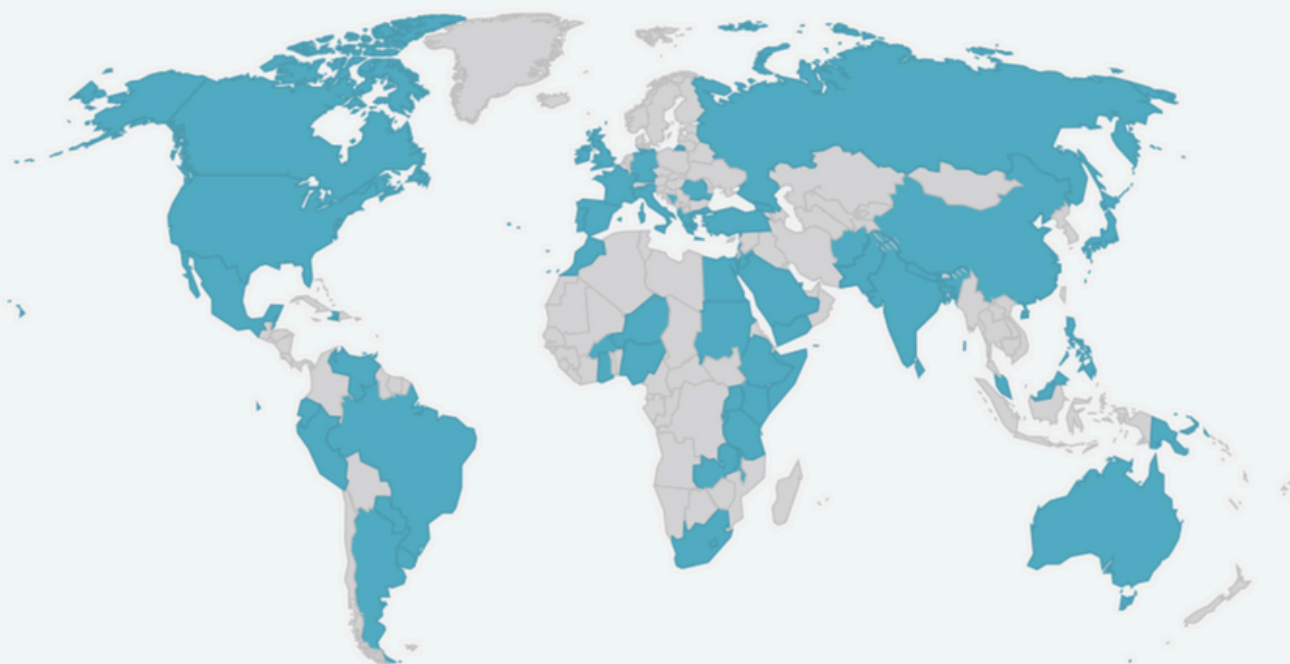


Membership benefits

NETWORKING & SUPPORT FOR SOCIETIES & INDIVIDUALS

Join a global network of colleagues and create professional relationships.

- a. Become a recognized partner of the Global Clinical (CE) community.
- b. Lend your advice to the largest CE dedicated organization.
- c. Gain an opportunity to expand your horizon and even more importantly to influence the direction that CE field is evolving.
- d. Opportunity to join conferences, and opinion generating focus groups developing professional knowledge, policies, and recommendations.
- e. Demonstrated by the key program 5th and 6th ICEHTMC.
- f. Create and increase collaboration among CE practitioners as well as between CE-BME and other stakeholders in the healthcare delivery system.
 - i. GCEA presented at IHE and ISQua.
 - ii. GCEA presented and was represented in many international meetings & events.
- g. Opportunity to promote your country/region to the international community as part of "Country Focus" program to be featured monthly on GCEA website and newsletter.
- h. Gain access to participate in the global CE Research through GCEA' Healthcare Technology Foundation.



 6 Continents  63 Countries

Membership benefits

STRENGTHENING THE INTERESTS OF THE GLOBAL CE COMMUNITY

- a. **Engage** with projects sharing knowledge and seeking solutions to shared work challenges.
- b. **Voice opinion** about international proclamations and best practices.
- c. **Contribute** evidence for the relationship between healthcare technology management (HTM) and patient outcomes.
- d. **Participate** in the development, application, and advocacy for an international professional credentialing program. Receive GCEA support for developing local programs, including credentialing.
- e. Participate in the development and further adoption of CE undergraduate and graduate academic programs around the world.
- f. Join opportunity to represent CE-BME-HT content to Ministries of Health through WHO Medical Devices Unit, and GCEA application for becoming a WHO Non-State Actor.

SOCIETIES

1. **Access** to resources for assisting creation and administrating of new professional CE organization.
2. **Receive** invitations to participate in the GCEA professional development and training programs.
3. Invited to **participate** in GCEA annual meeting and tell your career story.
4. **Transform** your initiatives to global stage.

COMMITTEES

Volunteer in one of the many Committees works of GCEA.

- Professional development/Education committee
- Membership committee
- Awards Committee
- Publications: Global CE Journal reviewers and contributed authors



Educational Program



RESOURCES FOR THE CE PROFESSIONALS, PUBLIC, AND STUDENTS!

In 2024-2025 GCEA conducted **9 WEBINARS** and **12 Technology Snapshots** engaging more than **50 experts** in CE fields and an immense interest from the audience worldwide: **>2500 registrants** and **>1300 live participants**

WEBINAR

Handbook of biomedical procedures for low-resource settings (in FRENCH)

FRIDAY APRIL 11 10 am 8 am
CENTRAL EUROPEAN TIME COORDINATED UNIVERSAL TIME

WEBINAR

ICEHTMC™

WHAT to expect, WHO you will meet, and WHY you should be there!

TUESDAY AUGUST 26 3 pm 11 am
WEDNESDAY AUGUST 27 2 pm 10 am
UNIVERSAL TIME NEW YORK TIME
(UTC) (ET)

TECHNOLOGY SNAPSHOTS

YOUTUBE LIVE

www.youtube.com/@GlobalCEA

TOM JUDD
GCEA Liaison Director

TECHNOLOGY SNAPSHOTS

YOUTUBE LIVE

www.youtube.com/@GlobalCEA

MARIANA BRANDÃO
Institute of Biomedical Engineering (IBB-UFSC), Brazil

CE-HTM Indicators: The reality today

Live on YouTube: March 19, 2025 2 pm 10 am
Universal Time Eastern Time

Adverse events in Medical Devices used in Home Care

Live on YouTube: May 28, 2025 2 pm 10 am
Universal Time Eastern Time

WEBINAR

World Health Innovation Fellowship 2025

WEDNESDAY MARCH 26 1 pm 9 am
UNIVERSAL TIME NEW YORK TIME
(UTC) (ET)

WEBINAR

ICEHTMC™

Shaping the Future of Clinical Engineering

MONDAY APRIL 7 1 pm 9 am
UNIVERSAL TIME NEW YORK TIME
(UTC) (ET)

TECHNOLOGY SNAPSHOTS

YOUTUBE LIVE

www.youtube.com/@GlobalCEA

TATSUNORI OGAWA
National Center for Global Health and Medicine (NCGHM), Japan

TECHNOLOGY SNAPSHOTS

YOUTUBE LIVE

www.youtube.com/@GlobalCEA

RICARDO SILVA
Global expert in Healthcare Digital Transformation and Innovation

Current status of Medical Device management in Japan

Live on YouTube: October 16, 2024 2 pm 10 am
Universal Time Eastern Time

Artificial Intelligence in Medical Devices

Live on YouTube: February 19, 2025 3 pm 10 am
Universal Time Eastern Time

Educational Program



COMMITTEE MEMBERS

Saide Calil – Brazil	Richard Gonzales - USA	Ricardo Silva - USA
Panagiotis Bamidis - Greece	Stefano Bergamasco - Italy	Stefanie Warren - UK
Nicolas Pallikarakis - Greece	Frank Painter - USA	Zurab Sanikidze - Georgia
James Wear - USA	Fred Hosea - Equator	Raquel Canovas - Spain
Mladen Poluta – S. Africa	Jangadesh Kumar - India	

Under the leadership of Past-President **Saide Calil**, the **Educational Program Committee (EPC)** was created and overcame barriers by maintaining laser sharp focus on addressing the needs for internationally delivered educational capacity building programs. In general, the EPC pursues both online and in-person activities and capacity-building opportunities. These includes online webinars, technology snapshots, and short courses.

Other activities under development during **2024-2025**:

a) **Short Courses Project**; with the objective to produce courses (around 6 hours duration each) about “**CT scanners; operation and safety**”, “**The Basics of Project Management**” and “**The Evolution of Digital Health Technology and what CEs must know about such new technologies**”.

b) A book about “**Hospital safety**” is under development and lead by Dr Ricardo Silva.

GCEA/EPC is collaborating with several Member Organizations (MOs) to host their educational event productions on the GCEA platform, featuring subtitles in multiple languages. This initiative will make regionally produced educational content accessible to audiences worldwide.

ADDITIONAL PROJECTS UNDER ORGANIZATION OF GCEA/EPC

1) **Tribute to Titans:** This project aims to honor clinical engineers who have made a significant impact on the field of Clinical Engineering worldwide. It consists of a series of recorded interviews, each lasting about 15 to 20 minutes, with these CE leaders. The project is currently in an advanced stage of development, with several names already selected for interviews.

2) **Basic Academic Curriculum for CEs worldwide:** This project will be based on two global surveys conducted in 2017 and 2021 by the Global Clinical Engineering Alliance and the International Federation for Medical and Biological Engineering, as outlined in “The Book of Practice and The Book of Knowledge”. It aims to analyze the current needs of Clinical Engineering professionals around the world and produce a foundational academic curriculum that will assist Clinical Engineering training programs in understanding the essential knowledge required for today’s CEs.

**TOTAL NUMBER OF EDUCATIONAL HOURS
POSTED: AROUND 460 HOURS**

HTM Benchmarking Guide | 2ND EDITION



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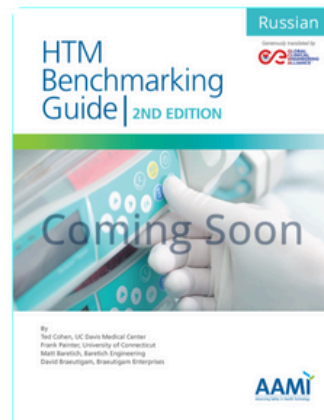


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ARABIC



RUSSIAN



GCEA HTF Foundation

By **Dan Clark**, Chairperson



In 2015 World leaders came together and made a historic promise to secure the rights and well-being of everyone on a healthy, thriving planet when they adopted the 2030 Agenda for Sustainable Development.

A core goal was to ensure healthy lives and promote well-being for all at all ages. And while great strides have been made in improving health in recent years, significant inequalities in healthcare access persist. Healthcare systems across the globe face real challenges: as populations rise demands on health systems also rise, people are getting older, sicker, more prone to long-term conditions like diabetes, coronary disease and dementia; global maternity mortality continues to remain high, malaria cases are rising as is tuberculosis, and it is estimated that in 2019, 344 million people were pushed into extreme poverty due to the cost of healthcare payments.

The list of challenges is long indeed. But we in the Global Clinical Engineering Community know that most of these challenges, perhaps all of these challenges, can be addressed through the application of technology. Technology that can improve care in hospitals and clinics making treatment better and quicker; technology that can support community health provision making access easier and diagnosing diseases earlier; technology that can even help people stay fit and well longer preventing the need to intervention and treatment.

The right technology, in the right place at the right time will play a significant part in delivering the sustainable development goal for health. And the HTF Foundation is playing its part in making this happen.

The HTF was founded on the principle that achieving improvement in the safe use of healthcare technology requires a diverse range of stakeholders to come together to utilize their collective knowledge on the design, use, integration, and servicing of healthcare technology, systems, and devices. Initially a USA based not-for-profit, the HTF joined GCEA post-covid with the aim of bringing its experience and expertise onto a global platform to extend the reach of its support. 2024 was something of a transitional year as the newly merged body established the systems and processes needed to be able to make a significant an impact on an international scale.

2025 saw us kick on from these foundations and start delivering on our mission to generate, responsibly manage and the distribute funds to support education and research projects that lead to safe, effective, patient-centred, timely, efficient and equitable application of healthcare technology. By managing a range of projects, we aim to deliver the GCEA vision of achieving significant improvements in global healthcare through the application of technology.

Our Project Support Role

The core of what we do at HTF is support projects, generally small projects but with the potential to have big impacts. We have main ways or calls through which we support projects:

Open Calls, where applicants can apply for funding to support any project that falls into the HTF remit. These are generally relatively small funding allocations, typically less than \$5,000, though more might be available in some cases.

Sponsored Calls are where an external third party provides the funding and sets the theme or broad objectives, but where HTF facilitates the allocation of the award and then provides oversight of the successful projects. And finally, **Collaborative Calls**, where HTF partner or collaborate with other like-minded organisations to run joint projects.

Once a project is selected and funds awarded, the project team become part of the GCEA-HTF community, supported by us and our network of peer project teams. A key aim of the HTF is not just to fund individual projects, but to strengthen the global community of health technology researchers.

Another example of project work we do is the **HTF Alarm Fatigue Survey** work. This survey has been run several times now by the HTF team going back to 2006 and has become the definitive dataset for medical equipment alarms. The 2025 survey opened in Spring 2025 and was live for three months. It clearly illustrates the new global reach of GCEA-HTF, in that the survey was offered in 9x languages and reflected the needs of clinical teams across the world. Results from the survey will be published next year.

HTF support a range of fantastic projects on healthcare technology – development, application, training and education projects and much more besides. Our scope and our reach are truly reflective of the needs of the global healthcare system.

Fund Raising

While it is not all about money, money is nonetheless very important – we need to have money to fund these various projects. We do this in a variety of ways – through direct donations, through campaigns usually on specific topics, by getting third parties to sponsor certain projects or themes and by operating a commercial project management for some third-party organisations.

We are always seeking fund-raising opportunities so if you happen to know any philanthropic billionaires, or manufacturers with large resources and good intentions, or indeed if you have a few spare dollars and want to donate personally, please do not hesitate to get in touch!

To the Future

All over the world there are huge challenges facing healthcare. Technology is often the solution to these difficult challenges. We also know that often, small scale projects and innovations can lead to huge patient benefit. The Healthcare Technology Foundation seeks to identify these opportunities and support projects through direct funding, project management and networking capabilities.

2025 was a strong year of project development and funding but we can do so much more. We are on a journey to increase our profile, our activities and our impact on a global scale. If you would like to join us on this exciting journey, please do get in touch as we welcome new members, collaborators, fund-raisers and partners. We look forward expectantly to the future where we raise further funds, support more projects and see the global community of research-active clinical engineers grow.

Most importantly, we look forward to the outcome of these projects leading to improvements to healthcare provision through the safe, effective, patient-centred, timely, efficient and equitable application of healthcare technology.

RECOGNIZING EXCELLENCE

By **Ricardo Silva**
Chairperson

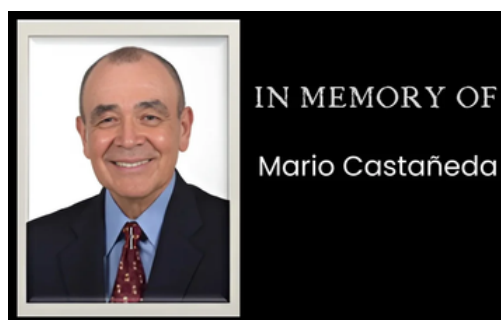
The Awards Program Committee is honored to report on its activities during the 2024–2025 cycle. This year was marked by significant growth and success, including:

- Expansion of the Awards Program to include two new categories that recognize both frontline Clinical Engineers and impactful products.
- A highly effective communications campaign that generated strong global participation and multiple high-quality nominations across all award categories.
- Introduction of two prestigious new honors: the Mario Castañeda International Collaboration Award and the Global Lifetime Achievement Award, which broaden the scope of recognition.
- Continued demonstration of the value and prestige of GCEA awards, evidenced by wide participation and representation from Member Organizations across regions.

Looking ahead, the Committee will focus on developing a robust governance structure to ensure fairness, transparency, and sustainability of the Awards Program. Candidates for future awards can be proposed by submitting information online at [GCEA Awards](#).

Two new GCEA Awards were added in 2025

GCEA-AMTZ Mario Castañeda International Collaboration Award



GCEA Global Lifetime Achievement Award



RECOGNIZING EXCELLENCE

ACHIEVEMENTS IN 2025

Committee Role and Transition

The Awards Program Committee is responsible for creating, sustaining, and promoting a program that identifies excellence in Clinical Engineering practices and healthcare technology life cycle management. Awards are designed not only to celebrate individual and institutional accomplishments but also to serve as models that expand the impact of Clinical Engineering on patient care outcomes.

The Committee also supports the mission of the Alliance by promoting collaboration among healthcare stakeholders, academia, industry, governments, and international organizations.

In May 2025, leadership transitioned from Keiko Fukuta, who assumed a new role at the World Health Organization (Medical Devices and In Vitro Diagnostics Team), to Ricardo Silva as Committee Chair. At that time, three primary award categories were active:

- GCEA Collaborative Capacity Building Award
- GCEA Technician/Technologist Leadership Award
- GCEA Jiang Yuanhai & William Hyman Global Academic Award

During the cycle, two additional categories were introduced (see below).

Communications and Campaigns

Under the guidance of the Secretary General, GCEA launched comprehensive communications campaigns to support ICEHTMC 2025. These included:

- Early bird registration drives
- Officer roll nomination campaigns
- Award nomination campaigns

Campaigns were delivered through email, social media, and structured communication flows. They proved highly successful, **generating multiple nominations across all award categories** from Member Organizations worldwide.

Effectiveness

Each award received strong candidate submissions, underscoring the global prestige of GCEA recognition. Representation spanned Africa, Asia, Europe, and the Americas.

Existing Awards: Descriptions of all active awards are available [here](#).

New Awards Introduced in 2025

- Mario Castañeda International Collaboration Award
- Global Lifetime Achievement Award

RECOGNIZING EXCELLENCE

AWARDS PROGRAM EVOLUTION

Categories to Launch at ICEHTMC 2025

- Best Clinical Engineer Award
- Best Clinical Engineering Product Award

Governance & Ethical Considerations (2025–2026 Cycle)

Given the growth of the Awards Program and its expanded responsibilities, the Committee recognizes the need for a strengthened governance framework. The following areas will be a priority during the 2025–2026 cycle:

- Policy Development
- Establish and regularly review policies for award criteria, eligibility, nomination, and review processes.
- Oversight
- Monitor the performance of existing awards and the development of new ones, ensuring consistency, fairness, and meaningful impact.
- Selection Process
- Formalize procedures for reviewing nominations, approving recommendations, and selecting winners. Define roles for appointing new chairs and committee members.
- Structure and Membership
- Define committee composition, term lengths, appointment processes, and mechanisms to ensure representation of diverse expertise and global perspectives.
- Accountability and Oversight
- Ensure decisions are subject to review and approval by GCEA leadership (Board or Executive Committee) to guarantee transparency and trust.
- Ethical Conduct
- Develop clear rules on conflicts of interest, including prohibiting committee members from receiving awards during their term. Encourage adherence to GCEA's ethical guidelines in all processes.

Looking Ahead

As the Alliance looks beyond Shenzhen and into 2026, the Awards Program Committee will expand its global outreach and refine its governance. Recognition by GCEA is now widely regarded as prestigious and highly competitive, and the Committee will continue to ensure that the program both celebrates excellence and strengthens the profession worldwide.

Closing Reflections

The Awards Program has matured into one of GCEA's most visible and impactful initiatives. By expanding categories, strengthening processes, and aligning with ethical governance, we are building a program that not only honors achievements but also drives excellence across the global Clinical Engineering community.

ANNUAL MEMBERSHIP COMMITTEE REPORT

Chair: James O. Wear, USA; **Committee Members:** Saide Calil, Brazil; Tom Judd, USA; Nicolas Pallikarakis, Greece; Mladen Poluta, South Africa; Keiko Fukuta, Japan; Payal Mandot, Canada; Freddy Matamoros Espinoza, Ecuador.

The GCEA Membership Committee is responsible for managing applications from organizations and individuals seeking membership in the Global Clinical Engineering Alliance (GCEA). Our mission is to assess applications, ensure compliance with GCEA standards, and maintain a strong and qualified membership base.

APPLICATION REVIEW PROCESS

All applications undergo a thorough review process to confirm that:

1. Required information is fully provided and submitted in English.
2. Organizational applications align with the appropriate membership category and meet GCEA criteria.

Individual applications, in cases where no member organization exists in the applicant's country, are vetted to ensure applicants meet the GCEA Bylaw requirements and are active clinical engineering practitioners. The Committee's recommendations are then submitted to the GCEA Advisory Council for approval.

NEW MEMBER ORGANIZATIONS FOR 2025

We are pleased to welcome the following organizations as GCEA Member Organizations this year:

- **GBM/EPAC**-Biomedical Engineering Department/Ecole Polytechnique d'Abomey-Calavi, Benin
- **FLWH** - Foundation for Living, Wellness, and Health
- **AMEK** - Association of Medical Engineering of Kenya
- **MEDOX** - Hangzhou Medoxygen Technology Co., Ltd.
- **ABCEG** - Association of Biomedical and Clinical Engineers of Georgia

INDIVIDUAL MEMBERSHIPS

When an individual application is received, the Chair ensures there is no existing member organization (MO) in the applicant's country. If there is an MO, the applicant is encouraged to join that organization. Non-rejected applications are then submitted to the Committee for review and, if approved, a recommendation is forwarded to the Advisory Council.

In 2025, we received 13 individual membership applications. Upon payment of their membership fees, new members are added to the GCEA website, and receive a welcome package, along with guidance on establishing local organizations in their regions to further strengthen GCEA's global network.

CLOSING REMARKS

Through our membership efforts, we are building a vibrant and collaborative global community, with a commitment to advancing clinical engineering practices worldwide. We thank our Committee members for their diligent work and look forward to continued growth and engagement in 2026. E Pluribus Unum = From many, comes one!



Global Clinical Engineering Alliance (GCEA) is a not-for-profit international organization, registered in the State of Washington, USA.

GCEA BUDGET HIGHLIGHTS ON OCTOBER 5, 2025

GCEA BANK ACCOUNTS

CASH BALANCE	\$137,061.53 US
EXPENSES PAID	\$40,339.87 US
<hr/>	
TOTAL CASH BALANCE	\$96,721.66 US



CONTRACTUAL FEE \$5,000 US



IN KIND CONTRIBUTIONS



AC, OFFICERS, LIAISON, AND VOLUNTEERS' ACTIVITIES **21,680 HOURS**

October 6, 2025

BALANCE

\$101,721.66 US



FUTURE GOALS

Universal Clinical Engineering Federation (UCEF)

GCEA International CE Corps (ICEC) has merged with **Universal Clinical Engineering Federation (UCEF)** and was elected to serve as the first **UCEF Chairperson of the Board**.

Preparing for a resuscitation response to mass disasters, such as major earthquakes or industrial disasters, requires revisions of present local, regional, and national disaster plans.

This new initiative is a highly specialized, multidisciplinary team that supports healthcare infrastructure and medical technology systems in the preparations for, during, and aftermath of a disaster. Clinical engineers, technologists, technicians, together with other healthcare groups will be mobilized to strengthen, restore, repair, and optimize medical equipment and facilities, ensuring that critical healthcare services are maintained or restored. They work in coordination with other disaster response units, international organizations, and local authorities to ensure rapid deployment and effective intervention.

UCEF leverages a network of skilled volunteers who play a vital role in promoting peace and development by supporting healthcare systems worldwide. By deploying qualified, highly skilled, and motivated individuals, the group aligns its efforts with the 2030 Agenda for Sustainable Development Goals, addressing health and resilience needs on a global scale.

The group's volunteers are administered by the **UCEF Executive Board** and are dedicated to delivering the highest standards of medical device services. In their assignments, volunteers embody commitment, expertise, and a code of conduct focused on effective support for communities in need. Through their actions, **UCEF volunteers** foster sustainability and resilience in healthcare systems, making an impactful contribution to global health stability and emergency preparedness. Its key functions and responsibilities include:

1. **Pre disaster preparation**
2. **Deployment administration**
3. **Assessment and Rapid Response**
4. **Technical Support and Repair**
5. **Infrastructure Restoration**
6. **Training and Capacity Building**
7. **Coordination with Other Humanitarian Agencies**
8. **Post-Deployment Evaluation and Reporting**



Would you like to join and become a volunteer?

Please contact us at secretary@globalcea.org

FUTURE GOALS

Global Clinical Engineering Program Accreditation

A new international collaboration for unifying the CE body of practice, professional competence, and recognition for our discipline

The development and sustainability of accessible, safe, and high-quality healthcare services rely heavily on effective, competent, and innovative clinical engineering and health technology management programs. This Global Clinical Engineering Program Accreditation (GCEPA) is designed to meet these needs by setting standards based on widely accepted guide, benchmarks, and leveraging the expertise of evaluators with extensive experience in clinical engineering.

The GCEPA framework is anchored in a robust Standard of Practice that systematically enhances program outcomes. This initiative stems from a collaborative effort between the Global Clinical Engineering Alliance ([GCEA](#)) and its member association, the Canadian National Medical and Biological Society ([CMBES](#)). Together, a specialized working group of clinical engineering experts will transform Canada's Clinical Engineering Standards of Practice into an internationally recognized, standards-based assessment tool. This tool provides specific benchmarks for evaluating programs at healthcare institutions, such as hospitals, surgical centers, and clinics, as well as service providers within the healthcare industry.

Further strengthening its credibility, GCEA has explored partnership with the International Society for Quality in Health Care ([ISQua](#)) to jointly develop educational programs and is engaging with the ISQua External Evaluation Association ([IEEA](#)) to pursue global recognition under the International Accreditation Programme ([IAP](#)). As the first clinical engineering accreditation program developed and managed by clinical engineers, GCEPA is in the final stages of development and aims to launch in late 2025. Multiple hospital-based programs have already expressed interest in being evaluated by this pioneering GCEPA initiative.



Would you like to join and become an evaluator?

Please complete this [form](#)

FUTURE GOALS

GCEA Launches New Book Series on Cutting-Edge Health Technologies

First Release: *“Artificial Intelligence and Intelligent Systems”*-Coming November 2025!

The **Global Clinical Engineering Alliance** (GCEA) is proud to announce the launch of a new publishing initiative dedicated to advancing global knowledge in **healthcare technology innovation**. Beginning next month, GCEA will offer a series of **original, authoritative books** authored and curated by international experts — exploring the forefront of science, engineering, and patient-care transformation.

The **first title in this series**, *“Artificial Intelligence and Intelligent Systems”*, delivers a comprehensive look at how AI, data analytics, and automation are redefining healthcare. From diagnostic imaging and predictive maintenance to decision support and robotics, this groundbreaking book bridges the gap between **clinical engineering practice and digital intelligence**.

The book will be available worldwide through:

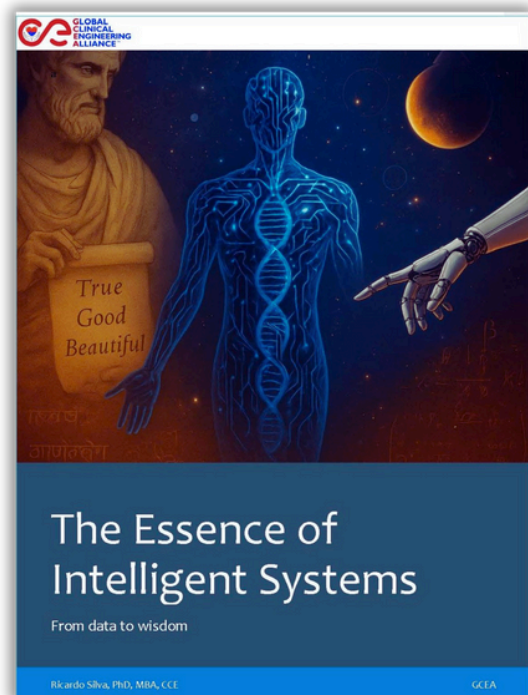
- Amazon Books
- Kindle e-Book
- GCEA Online Bookstore (www.globalce.org)

Official Launch: November 2025

Audience: Clinical Engineers, Healthcare Technologists, Innovators, Educators, and Policy Makers.

“This new GCEA publishing series will empower professionals worldwide with practical, forward-looking insights that shape the future of healthcare technology management.”

Dr. Yadin David, President, GCEA



Stay tuned for virtual launch events and author interviews celebrating this milestone in the evolution of global clinical engineering knowledge.



GLOBAL CE JOURNAL

Announcing New Enhancements to the Global Clinical Engineering Journal

We are excited to unveil that in 2026 new enhancements to the Global Clinical Engineering Journal, including an expanded editorial team and additional new Editorial Board members with clinical medicine and engineering expertise from around the world.

Our goal is to solidify our position as the leading international journal dedicated solely to the field of Clinical Engineering, managed by clinical engineers for clinical engineers. With new features like Special Issue format, Research and Review articles, the Journal aims to be the premier source for cutting-edge research, knowledge, and practical applications in the discipline. We are committed to elevating the Journal's recognition, working towards indexing, and achieving the impact factor it deserves.

Following our recent announcement regarding the transition of the Global Clinical Engineering Journal (GCEJ) from Diamond Open Access (OA) to Gold OA, we would like to announce that from the beginning of 2026 our Article Processing Charge (APC) policy will be activated. To ensure a smooth transition and continued support for our valued contributors, the following APC policy will apply:

- All APC fees for submissions received before December 31, 2025, will be waived.
- Authors from Low-Income Countries will continue to receive support, ensuring their ability to publish with GCEJ.
- We will maintain free access for readers to all published papers.

Our partnerships with scientific and engineering events will establish the Journal as the “go-to” publication for sharing advances in clinical engineering. We offer both experienced and emerging authors a unique platform to publish and disseminate their work. To achieve these goals, we invite all clinical engineering professionals to get involved—read the Journal, volunteer as reviewers, and submit your manuscripts to your Journal. **Together, we can advance the field and make it better!**



Submit your
manuscript

