I trust that each of you are safe and healthy! I hope you were able to unwind through the holidays and get some time off to spend with family and loved ones.

We are now starting year 3 in COVID-19 response activities and our clinical engineers are demonstrating courage and resilience in supporting direct patient care teams. ACCE salutes your efforts and is here to support you! Our colleagues in Japan, the Japanese Association of Clinical Engineering (JACE), in collaboration with the ACCE’s International and Education Committees requested speakers to shed light on clinical engineering responsibilities through the pandemic. This collaboration at the international level allows our community to share best practices and create efficient processes, without reinventing the wheel.

Right to Repair continues to be a debatable topic, particularly for groups maintaining medical devices outside of original equipment manufacturers. ACCE Board members have received an opportunity to participate in a ‘Medical Right to Repair Roundtable’ with U.S. Senator Ron Wyden of Oregon. This roundtable is hosted by the U.S Public Interest Group (U.S. PIRG) and took place on January 27th. Please connect with the ACCE Secretariat if you would like to learn more about this roundtable.

ACCE and its Education Committee had planned a series of educational events, and its ACCE-HTA event, at the annual HTA/ACCE Awards Reception at HIMSS22 in Orlando, FL. However, due to the increase in COVID surge response efforts and rise of cases overwhelming our healthcare providers, ACCE Board has decided to cancel all of its in-person events. ACCE remains as a collaborator organization of HIMSS22, so members attending the conference can still take advantage of the registration discount. For more information, please contact the ACCE Secretariat.

Our ACCE members are presenting various educational sessions at the MD EXPO in Atlanta in April. Topics include using ISO 14971 for AEM planning, diversity and inclusion challenges in HTM/CE, future of health care and HTM/CE, using CMMS data to manage service contracts and capital planning, and lessons learned for TJC compliance in HTM. This active participation across the industry reinforces our 2021-2022 goal to provide quality education to our members and the HTM/CE industry.

Our efforts to review and revamp the clinical engineering certification is in progress. The ACCE Board thanks the auditors, HTCC, and the US and Canadian Board of Examiners for this initiative so that certification is flexible to accommodate growing needs in the industry, and to serve the needs of a broader domestic and international candidate pool.

In closing, I want to express my sincere gratitude to all of you for your continued efforts to support patient care delivery and collaboration in the ACCE community!

Priya Upendra, President
American College of Clinical Engineering
president@accenet.org
Facilities Systems Engineering – Part 2

Clinical engineers are usually not involved in designing, maintaining, or managing building systems, but the facilities management / maintenance department staff are. However, CEs should know about the utilities which connect to medical equipment in the environment of care.

Medical Gas Systems

1. Which system is typically set to the highest pressure within the normal range of 50 to 55 psi?
   a. CO₂
   b. O₂
   c. N₂O
   d. Medical Air

   Correct answer: b

   Explanation: If a medical device connected to the medical gas system (e.g., ventilator, air/O₂ blender, anesthesia machine) fails and one gas is inadvertently allowed to flow into the piping of the other system, we want the least dangerous gas to be the one at the higher pressure. Of those listed, O₂ should be set at the highest pressure, so the answer is b.

2. Which of these gasses is normally liquid when stored in its pressurized steel gas cylinder at room temperature?
   a. Oxygen
   b. Nitrous Oxide
   c. Nitrogen
   d. Carbon Dioxide

   Correct answer: b, Nitrous Oxide

   Oxygen, Nitrogen and Carbon Di-
oxide are all gasses at room temperature. Typically, a full tank of these gasses is at about 2200 psi. Nitrous Oxide comes as a liquid in the cylinder. As the gas in the cylinder is used the liquid evaporates to provide more gas. This happens when the pressure in the tank drops below approximately 950 psi. So, the pressure in a Nitrous Oxide cylinder stays at 950 psi until all the liquid is used up, then it rapidly drops to zero. Therefore, the answer is b. – Nitrous Oxide.

Ventilation Systems

3. What are the minimum required air exchanges per hour for an operating room which has some recycled air from the building added in?
   a. 6 changes per hour
   b. 15 changes per hour
   c. 25 changes per hour
   d. 50 changes per hour

   Correct answer: c

   Explanation: The OR environment requires a high ventilation rate to remove airborne microbes. If all the air being brought into the OR is fresh air from outside, then the air exchange rate should be 15 room changes per hour. If some recirculated air is added to the air going to the OR, then the air exchange rate should be 25 room changes per hour. The answer to this question is c. – 25 changes per hour.

4. What is the primary indicator of indoor air quality?
   a. Humidity
   b. % O₂
   c. Air pressure
   d. % CO₂

   Correct answer: d, CO₂

   As the occupancy of the building goes up, the people, who breath in O₂ and exhale CO₂, cause the level of CO₂ to rise. Sensors in the heating, ventilating and air conditioning (HVAC) system monitor CO₂ levels. When the level of CO₂ passes a certain point, the HVAC system adds more fresh outside air to the building and exhausts an equal amount of air from the building. So the answer is d. - % CO₂.

   Frank Painter, CCE
   frpainter@gmail.com
Welcome New ACCE Members

We welcome our newest members, approved by the Membership Committee, and supported by the Board of Directors:

<table>
<thead>
<tr>
<th>Name</th>
<th>Type</th>
<th>Role/Program Supporter</th>
<th>Institution/Location</th>
<th>Country/Region</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ana Businger</td>
<td>Individual</td>
<td>Latin American and Caribbean Program Supporter</td>
<td>American RED Cross</td>
<td>TX/USA</td>
</tr>
<tr>
<td>Darwin Fontanares</td>
<td>Individual</td>
<td>Senior Manager, IT/Biomedical Engineering</td>
<td>Stanford Health Care ValleyCare</td>
<td>CA/USA</td>
</tr>
<tr>
<td>Angela Bennett</td>
<td>Individual</td>
<td>CE Director</td>
<td>SODEXO</td>
<td>WV/USA</td>
</tr>
<tr>
<td>Jennifer Kizis</td>
<td>Institutional/Individual</td>
<td>Chief Biomedical Engineer</td>
<td>Lexington VA Health Care System</td>
<td>KY/USA</td>
</tr>
<tr>
<td>Shelby R. Johns</td>
<td>Institutional/Associate</td>
<td>Clinical Engineer</td>
<td>Children’s Hospital of Philadelphia</td>
<td>PA/USA</td>
</tr>
<tr>
<td>Whitney Bailey</td>
<td>Institutional/Associate</td>
<td>Director, Clinical Technology Services</td>
<td>Children's Hospital of Philadelphia</td>
<td>PA/USA</td>
</tr>
<tr>
<td>Nina Warah</td>
<td>Institutional/Individual</td>
<td>Chief Clinical Engineering</td>
<td>VA Maine HCS</td>
<td>ME/USA</td>
</tr>
<tr>
<td>Jason Komenkul</td>
<td>Institutional/Individual</td>
<td>Director of Clinical Engineering</td>
<td>Intermountain Healthcare</td>
<td>UT/USA</td>
</tr>
<tr>
<td>Kayla Heppler</td>
<td>Institutional/Individual</td>
<td>Clinical Engineering Area Director</td>
<td>Intermountain Healthcare</td>
<td>UT/USA</td>
</tr>
<tr>
<td>Stephanie Drake</td>
<td>Institutional/Individual</td>
<td>Clinical Engineering Manager</td>
<td>Intermountain Healthcare</td>
<td>UT/USA</td>
</tr>
<tr>
<td>Tedford MacLaggan</td>
<td>Associate</td>
<td>Manager</td>
<td>Vancouver Island Health Authority</td>
<td>BC/Canada</td>
</tr>
<tr>
<td>Eric C. Watkins</td>
<td>Institutional/Individual</td>
<td>Clinical Systems Engineer</td>
<td>Kaiser Permanente</td>
<td>CA/USA</td>
</tr>
<tr>
<td>Jeff Hooper</td>
<td>Individual</td>
<td>Principal, Biomedical Engineer</td>
<td>MITRE</td>
<td>MD/USA</td>
</tr>
</tbody>
</table>

ACCE Membership Renewal

Thank you for being an ACCE member! It’s time to renew your membership. If you have not yet renewed for 2022, renewal is due now!

To renew your 2022 membership online with PayPal, please click here or go to https://accenet.org/Members/Pages/default.aspx?from=login.

To renew by postal mail, please remit your renewal check to:

ACCE
19825 N Cove Road, #175
Cornelius, NC 28031

If you need an e-invoice, please contact ACCE Secretariat at secretariat@accenet.org
AAMI Update: New Resources for Healthcare Technology Management Professionals

AAMI and the AAMI Foundation have recently released two new documents for healthcare technology management professionals looking to bolster their knowledge and efficacy. Both documents may be freely downloaded.

Anthology of Complex Technology Solutions

The AAMI Foundation has released the last in a series of free anthologies with solutions to seemingly intractable problems with healthcare technologies.

Complex Technology Solutions offers guidance, best practices, and practical tools for healthcare systems and hospitals and for industry—all developed by the AAMI Foundation National Coalition to Promote Safe Use of Complex Healthcare Technology.

“New and complex healthcare technologies require close collaboration of administrative, clinical, human factors, risk, and industry personnel for safe integration into the healthcare environment,” said Tandi M. Bagian, chief engineer at the National Center for Patient Safety at the U.S. Department of Patient Safety and a National Coalition team leader. “This coalition report, developed with a broad range of experts, provides guidance to facilitate such collaborative efforts.”

The anthology features focus sections with actionable resources to help the healthcare and industry communities more effectively manage complex technologies and collaborate to keep patients safe:

Focus on Healthcare Systems and Hospitals

- Competence assessment for use of complex technology
- Focus on Industry
  - Human factors activities and associated standards
  - A capability maturity model to integrate human factors activities: guidance for product developers
  - Learning from device use issues
- “Establishing the practices recommended here will help make medical equipment easier to learn and easier to use,” said Peter Doyle, senior human factors engineer and National Coalition team leader. “More importantly, it will help to reduce the occurrence of failure modes that accompany the use of complex healthcare technology.”

The National Coalition to Promote Safe Use of Complex Healthcare Technology, which launched in 2017, responded to overarching challenges that emerged in three other AAMI Foundation National Coalitions on infusion therapy safety, alarm management safety, and opioid safety through continuous electronic monitoring.

“All four anthologies of the National Coalitions are freely and publicly available to ensure open access to this important information,” said Steve Campbell, AAMI Foundation executive director and acting president and CEO of AAMI. “We encourage you to share and use this valuable content with your colleagues in your organization.”

All four anthologies include links to patient safety seminar presentations, peer-reviewed journal articles, case studies, and podcast episodes.

Emergency Preparedness Resource for HTM Departments

The COVID-19 health crisis is hardly the first major emergency to beset healthcare technology management (HTM) departments. And it certainly won’t be the last. That’s why AAMI’s Technology Management Council (TMC) developed a new tool for assessing how prepared an HTM department is in the event of an emergency. Importantly, Emergency Preparedness Assessment for HTM Departments is free for all AAMI members!

“This emergency preparedness assessment tool was designed to guide HTM professionals toward rapid and appropriate responses during an emergency,” the authors explain. The guide includes:

- Sample emergency travel authorization letter
- HTM Department Service Continuity Plan. A scaled, prioritized list of work activities based on expected staffing variations during an emergency.
- Guideline for Scheduled Maintenance Compliance during a Health Emergency. A written plan that provides clarification of revised definitions for timely completion of scheduled inspections during an emergency situation when they cannot be completed as normally planned.

According to TMC member Mike Busdicker, system director of clinical engineering at Intermountain Healthcare, the inspiration to develop this document spun out of a unanimous, small-scale survey of
The International Committee (IC) held its first 2022 bimonthly meeting on January 10, 2022. This meeting was fully devoted to a discussion about possible future collaborations with the United Nations’ Office for Project Services (UNOPS). In our prior meeting with UNOPS in November of 2021, UNOPS expressed interest in seeking assistance from ACCE in training technicians and engineers for their staff and clinical engineering professionals of all levels in the public sector in the countries where UNOPS are conducting health projects.

During our January meeting the IC members discussed various possible ways to assist UNOPS, such as offering onsite trainings similar to the Advanced Clinical Engineering Workshops (ACEWs) previously delivered by ACCE to countries around the world with sponsorship from PAHO and WHO. In addition, we explored the possibility of offering online trainings that could be delivered remotely considering the travel uncertainties caused by the COVID-19 pandemic. Post-training follow-ups were also discussed as a possibility to ensure the training was well absorbed and local challenges identified have been properly addressed. Due to the large number of details and possibilities discussed, IC members decided to continue the debates via email and a subsequent online meeting before presenting a proposal to UNOPS.

As mentioned in our prior reports, IC is continuing to support our collaborating associations through webinars. Since our last report, a webinar on Surgical Fire: Complacency Burns was delivered on December 2, 2021, by Scott Lucas and Nicholas Grabiele to the Colegio Colombiano de Ingeniería Clínica (COLCINC). Upcoming are two presentations. The first one is entitled “Clinical Engineering Financial Management” and will be delivered by Binseng Wang on January 27, 2022, to the Asociación Colegio de Ingeniería Biomédica de El Salvador (ACIBES).

The current list of webinars being offered is available on ACCE’s website: https://accenet.org/International/Pages/Webinars.aspx. ACCE members who are not IC members are welcome to consider offering webinars they believe are of potential interest to our international colleagues. Interested persons should contact one of the IC members (see list on https://accenet.org/International/Pages/Default.aspx) and provide a short description similar to what is available on the ACCE webpage. Potential presenters are reminded that such activities are strictly voluntary and does not involve any honorarium.

Binseng Wang,
International Committee Chair
International.chair@accenet.org

International Committee Report

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Binseng Wang,
International Committee Chair
International.chair@accenet.org

AAMI Update continued

emergency manager?’” McGeary said. “It was a startling reminder that we have to provide these documents for all kinds of departments and levels of preparedness.”

Busdicker joined McGeary and four other co-authors hailing from health systems and HTM service providers in sharing best practices and professional insights when creating the document.

“We wanted to make a document that is so extensive that it can apply to your healthcare system no matter the size,” he said. “Now anyone can make sure HTM is part of incident command. They look at performance improvement and quality and how they can best improve well before the next emergency.”

AAMI members can download Emergency Preparedness Assessment for HTM Departments for free in the AAMI store. It is also available for purchase for nonmembers.

AAMI staff
From the Education Committee Desk

The 2021-2022 Education Webinar series continued with these 2 additional sessions:

On December 9th with speaker Matt Dum- mert, moderated by Martin Poulin. The speaker outlined the value that HTM/CE that can pro- vide to an organization and the challenges in our industry that impact our ability to realize the full extent of our potential.

On the January 13th session with speaker Marc Saab, we had a discussion on Con- nected Medical Devices and the Challeng- es they pose.

Don’t miss the upcoming Educational webinars for the months of February and March:
- February 3: “Improving Operational Efficiency: Avoiding Common Pitfalls”. Complimentary
- February 10: Joint Commis- sion Update: Registration required. Free registration for ACCE members here. Pay registration for non- members: click here
- March 10: Develop- ing and Managing Poli- cies and Procedures in CE/HTM: Registration required Free registration for ACCE members here. Pay registration for non- members: click here

Education Committee
education@accenet.org

2021-2022 Educational Webinar Series
The Joint Commission 2022 Updates

Thursday, February 10, 2022; 12 pm - 1pm (ET)

Herman A. McKenzie, MBA, CHSP
Director, Department of Engineering

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QUALITY OF LIFE SERVICES

2021-2022 Educational Webinar Series
Developing and Managing Policies and Procedures in HTM/CE

Thursday, March 10, 2022; 12 pm - 1pm (ET)

Healthcare industry must operate with a high degree of confidence with negligible room for error. It is also an industry with a more aggressive regulatory enforcement environment. HTM/CE manages medical devices (equipment) with the support of effective policies and procedures to ensure safe and reliable operation and to meet accreditation requirements.

During this educational webinar, the speakers will introduce effective methods to manage documentation in HTM/CE, including policies and procedures that demonstrate compliance. The speakers will review organizational best practices that will allow HTM/CE leaders to construct timely and updated practices and HTM/CE team members to adopt them in their workspaces.

Speakers:
Darwin Fontanares, MBA, CHTM, CBET
Senior Ops Manager - IT/Biomedical Engineering
Stanford Health Care - ValleyCare

Priyanka Upendra, MS, CHTM, AAMIF
Senior Director of Customer Success
Asimly
Top 10 Health Technology Hazards for 2022

ECRI’s Top 10 Health Technology Hazards list, now in its 15th year, identifies the potential sources of danger we believe warrant the greatest attention for the coming year and offers practical recommendations for reducing the risks.

The 2022 list includes many first-time topics, including several that build upon the key theme from our 2021 list—the need to build stronger and more resilient processes, and leveraging innovations developed and lessons learned during the COVID-19 crisis.

The No. 1 topic addresses what has become a persistent, critical challenge—cybersecurity. Specifically, the need to safeguard healthcare operations against near-certain attacks that go beyond disruption of business operations and pose a real risk of physical harm.

The list also includes critical issues with medical devices that can lead to medication errors, as well as how issues with PPE and Artificial Intelligence can impact patient safety. In addition, several topics on this year’s list reflect challenges that have arisen as a result of the stresses and technological changes associated with addressing a global pandemic.

**The List for 2022**

1. Cybersecurity Attacks Can Disrupt Healthcare Delivery, Impacting Patient Safety
2. Supply Chain Shortfalls Pose Risks to Patient Care
3. Damaged Infusion Pumps Can Cause Medication Errors
4. Inadequate Emergency Stockpiles Could Disrupt Patient Care during a Public Health Emergency
5. Telehealth Workflow and Human Factors Shortcomings Can Cause Poor Outcomes
6. Failure to Adhere to Syringe Pump Best Practices Can Lead to Dangerous Medication Delivery Errors
7. AI-Based Reconstruction Can Distort Images, Threatening Diagnostic Outcomes
8. Poor Duodenoscope Reprocessing Ergonomics and Workflows Put Healthcare Workers and Patients at Risk
9. Disposable Gowns with Insufficient Barrier Protection Put Wearers at Risk
10. Wi-Fi Dropouts and Dead Zones Can Lead to Patient Care Delays, Injuries, and Deaths

Are your patients at risk? Learn more about healthcare hazards and what you can do about them.

Download the free Executive Brief.

ECRI Members: Log in to access the complete Top 10 Health Technology Hazards Solutions Kit, which has a comprehensive discussion of each topic, actionable recommendations for minimizing the risks of harm, and links to useful resources for more information about each topic.

Ismael Cordero
Senior Project Engineer, ECRI
icordero@ecri.org
Dear Clinical Engineering Colleagues: The Global CE Village continues to grow. IFMBE CED in partnership with WHO and the Global CE Alliance (GCEA) has grown significantly the last two years, especially as we have addressed COVID19 and other pressing professional issues. Join us in celebrating these advances at the country, region, and worldwide levels, as outlined on the table below:

<table>
<thead>
<tr>
<th>The Global CE Village</th>
<th>2021 Activity</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 IFMBE CED Board &amp; Collaborators (B&amp;C) [<a href="https://ced.ifmbe.org/about-us/who-we-are.html">https://ced.ifmbe.org/about-us/who-we-are.html</a>]</td>
<td>Growth! December 2021: 480+ B&amp;C members, 190+ countries</td>
</tr>
<tr>
<td>2 International CE - Health Technology Management Congress (ICEHTMC) &amp; Global CE Summits (priority-setting)</td>
<td>In 2020-2021, 225 B&amp;C from 104 countries joined monthly Zoom calls</td>
</tr>
<tr>
<td>3 Health Technology &amp; World Health Organization-WHO Medical Devices Unit-COVID19 Webinars [<a href="https://www.who.int/health-topics/medical-devices#tab=tab_1">https://www.who.int/health-topics/medical-devices#tab=tab_1</a>]</td>
<td>4th ICEHTMC (Virtual) – October 2021: Joint CED-GCEA &amp; CE Summit. 2100 Registrant/Participants 128 countries, [<a href="https://www.globalcea.org/icehtmc">https://www.globalcea.org/icehtmc</a>; Summit-51 countries on-line]</td>
</tr>
<tr>
<td>5 Global CE Day – celebrating the contributions CEs make to healthcare daily [<a href="https://www.globalcea.org/globalceday">https://www.globalcea.org/globalceday</a>]</td>
<td>2021: Converted to Global CE Week. Program in China Oct 23, 2000+ on-site attendees, 2.1+M Hits! Global CE Week also included the global ICEHTMC program and several national CE meetings</td>
</tr>
<tr>
<td>6 WHO Compendium of innovative health technologies (HT) for low resource settings-LRS</td>
<td>53 responses, 51 CE-BME contributors (GCEA-CED in contract with WHO). 33 countries (including all 6 WHO Regions: AMRO, AFRO, EMRO, EURO, SEARO, WPRO)</td>
</tr>
<tr>
<td>7 Hacking COVID19 Weekday Health Technology e-Newsletter</td>
<td>Continuing December 2021 &amp; beyond 450+ e-Newsletters, 3000+ references (hcu site), 16,000+ subscribers</td>
</tr>
<tr>
<td>8 Global CED Notifications WhatsApp group for CE-HTM &amp; COVID19 issues</td>
<td>200 global CE colleagues on-line daily with rapid Q&amp;A Many carry CED site responses to their country WhatsApp groups</td>
</tr>
<tr>
<td>9 CED All-Directory monthly global HT Leader e-Newsletters last 3 years</td>
<td>18 e-Newsletters in last 15 months from Sep 2020-Dec 2021 Examples, Dec 2021 (2): [<a href="https://mailchi.mp/iambiomedical/oct-2-">https://mailchi.mp/iambiomedical/oct-2-</a>]</td>
</tr>
<tr>
<td>10a Example Global Health Technology Recognition/Case Studies (CED-GCEA typically in role as global facilitators)</td>
<td>Capacity Building: 2020-2021, MOH Bangladesh officially recognized the profession and began filling public hospital CE practitioner positions. Policy: 2021 MOH Paraguay continues to expand its Tele-health Policy, eg, conducted study: Diagnosis Improvement using AI to improve COVID screening</td>
</tr>
<tr>
<td>10b India: Integrated Medical Device manufacturing ecosystem example past 3 years [<a href="https://www.amtz.in/">https://www.amtz.in/</a>]</td>
<td>Manufacturing: Ventilators (using national EUAs), IVDs, PPE, Oxygen Systems: Millions of products for India healthcare: While container hospitals and mobile diagnostic labs are produced weekly, AMTZ’s site can produce over 200 ventilators, 1000 oxygen concentrators (OC), 100,000 N-95 masks, 5,000 PPE kits and a million RT PCR kits daily. And 1000s OC rented through 80 city warehouses across India delivered by Uber for $5 USD/day</td>
</tr>
</tbody>
</table>

From 2019-now, AMTZ has been developing this array of services, currently utilized by 94 medical device companies on-site: (1) ADDIT (3D); (2) BIOME (Materials); (3) ELECTRA (EMI-EMC) (4) DECIBLE (Acoustic, Wireless); (5) TEXTURA (Textiles); (6) COBALTA (Gamma); (7) Medi Valley (Incubator); (8) Bio Valley (Bio-Engineering); (9) GALAXY (Laser); (10) SILICO (Elec. components, sensors); (11) DIODE (super-conducting magnet); (12) OXY-ZONE (Oxygen); (13) TECHTRON (Radioisotope); (14) ORGEN (organ generation); (15) ARC (animal research); (16) STERILLA (sterilization); (17) Warehouse & Logistics; (18) MEDI-SHORE: Customer Support

New AMTZ artificial limb center; the problem in disability not technology but access. The center cost 65,000 USD only, can develop any limb and each cost less than 250 USD. AI (Artificial Intelligence) helps rapid design; limbs’ cost sponsored by biomedical technology companies.
ACCE is an Official Collaborator of HIMSS22
14-18 March, Orlando, Florida

Explore the power of innovation to reimagine health at HIMSS22: the premier global healthcare conference. Choose your path to attend: in-person, digital, or both. Discover solutions to your biggest challenges with cutting-edge thought leadership and resources you won’t find anywhere else. Experience top-notch education, get up close with exciting products, hear the latest policy announcements, and connect with global colleagues.

As many of you are aware, the COVID-19 pandemic impact is again on the rise and our healthcare teams are constrained. With these challenges, and for the safety of our CE-IT Symposium attendees, the ACCE Board has chosen to cancel its in-person gatherings at HIMSS22. We were looking forward to the networking opportunity that HIMSS provides.

Canceled in-person events:
- 2022 ACCE CE-IT Symposium.
- 2022 Health Technology Alliance & American College of Clinical Engineering Awards Reception

HIMSS22 will go on and ACCE remains as a collaborator! As such, ACCE members receive the member discount to attend. To receive the discount, go to the conference website and select “Register Now.” Select American College of Clinical Engineering (ACCE) from the “Conference Collaborating Organizations” drop down in the registration process and enter the code HIMSS22C.

Click here for HIMSS22 Schedule at a glance
Click here to REGISTER for HIMSS22 Conference
Book your hotel.


This webinar discussed some of the challenges facing biomedical engineers from procuring devices that have potential vulnerabilities to lack of device visibility and centralized management. Clinical engineers and the IT security team need to support their various initiatives and integrate them into their overall cyber security strategy.

If you missed this January webinar, the recording is available here and the slides here.
Global Clinical Engineering Journal
Health Technology & Innovation Improving Patient Outcomes

The open access Global Clinical Engineering Journal publishes high quality, timely, peer-reviewed manuscripts about the intersection of technology, engineering and informatics related to health, wellness, disease management, and patient-care outcomes around the world. Wider global community participation is further facilitated through this no-fee publication.

The vision of the Journal is to become the preferred international forum for facilitating the exchange, knowledge sharing, and engagement of practitioners across the globe. We will achieve that vision through a diverse range of high quality contributions of professionals from across the domains of clinical engineering, health-related technology, informatics and patient-care outcomes.

The purpose of the Journal is to collect, review, select, promote, and share original manuscripts, articles, technical papers, letters, scientific opinions, professional development tools, applications, and technical data relating to the clinical engineering and health technology fields.

The goal of the Journal is to advance and disseminate knowledge, to promote professional networking among practitioners and other stakeholders in academia, industry, government, and other decision-makers. We encourage work submissions by both young and senior researchers and practitioners. Our goal encompasses the promotion of education, training and ethical professional practice among members of this professional community.

EDITOR-IN-CHIEF: Dr Yadin David
ISDN: 2578-2562

www.globalCE.org

- Adverse events
- Artificial intelligence
- Artificial organs & Tissue
- Biomedical engineering
- Clinical engineering
- Disaster preparedness
- Engineering education
- Error mitigation
- Forensic engineering
- Health Informatics
- Home care
- Human factor engineering
- Implants
- Innovation and adoption
- Maintenance
- Metrology & device performance
- Professional development & credentialing
- Quality and outcomes
- Regulation science
- Risk control
- Safety
- Social impact and Ethics
- Software applications
- Systems management
- Technology assessment
- Technology integration
- Technology life cycle
- Technology management methodologies
- Telehealth and telemedicine
Device Workflows are Evolving

The value of accurate medical device data is game-changing. Clinical Device Efficiency (CDE) delivers the insights you need to transform your operations.

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Journal of Clinical Engineering Subscriptions for ACCE Members

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ACCE CALENDAR

https://accenet.org/NewsEvents/Pages/Calendar.aspx

31 January, 2022, Student Paper Competition: last day to submit your paper entry. Submit your paper here.

3 February 2022, Complimentary Webinar: Improving Operational Efficiency: Avoiding Common Pitfalls. Sponsored by Medigate

10 February 2022, 12:00 PM-1:00 PM, ACCE Webinar Session 6: The Joint Commission 2022 Updates, sponsored by Sodexo

13 February 2022, deadline to submit nominations for 2022 Clinical Engineering Hall of Fame candidates

10 Mar 2022, 12:00PM -1:00PM, ACCE Webinar session 7: Developing and Managing Policies and Procedures in HTM/CE

14 –18 March 2022, HIMSS 2022, Orlando FL

15 Mar 2022: Deadline to submit topics/advertising for ACCE News, Mar/April issue

3-6 June 2022, AAMI Exchange 2022, San Antonio TX

3 June 2022: Clinical Engineering Symposium by ACCE @AAMI Exchange 2022

3 June 2022: 32nd ACCE members meeting/awards reception, in San Antonio, TX

12 –17 June 2022, IUPESM World Congress 2022, Singapore

16 June 202212:00 PM-1:00 PM Session 10: Climbing the Clinical Engineering Career Ladder - Value of certifications and keys to gain management experience. Location: Online

17 April 2023-21 April 2023 HIMSS 2023. McCormick Place, Chicago, IL

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