



# ACCE News

Newsletter of the American College of Clinical Engineering

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## President's Message



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](mailto:president@accenet.org)*

# CCE Prep: Facilities Systems Engineering

## 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. CO<sub>2</sub>
- b. O<sub>2</sub>
- c. N<sub>2</sub>O
- d. Medical Air

Correct answer: b

Explanation: If a medical device connected to the medical gas system (e.g., ventilator, air/O<sub>2</sub> 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, O<sub>2</sub> 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. % O<sub>2</sub>
- c. Air pressure
- d. % CO<sub>2</sub>

Correct answer: d, CO<sub>2</sub>

As the occupancy of the building goes up, the people, who breath in O<sub>2</sub> and exhale CO<sub>2</sub>, cause the level of CO<sub>2</sub> to rise. Sensors in the heating, ventilating and air conditioning (HVAC) system monitor CO<sub>2</sub> levels. When the level of CO<sub>2</sub> 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. - % CO<sub>2</sub>.

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## ACCE News

**ACCE News** is the official newsletter of the American College of Clinical Engineering (ACCE).

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# Welcome New ACCE Members

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

Ana Businger	Individual	Latin American and Caribbean Program Supporter	American RED Cross	TX/USA
Darwin Fontanares	Individual	Senior Manager, IT/Biomedical Engineering	Stanford Health Care ValleyCare	CA/USA
Angela Bennett	Individual	CE Director	SODEXO	WV/USA
Jennifer Kizis	Institutional/Individual	Chief Biomedical Engineer	Lexington VA Health Care System	KY/USA
Shelby R. Johns	Institutional/Associate	Clinical Engineer	Children's Hospital of Philadelphia	PA/USA
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Jason Komenkul	Institutional/Individual	Director of Clinical Engineering	Intermountain Healthcare	UT/USA
Kayla Heppler	Institutional/Individual	Clinical Engineering Area Director	Intermountain Healthcare	UT/USA
Stephanie Drake	Institutional/Individual	Clinical Engineering Manager	Intermountain Healthcare	UT/USA
Tedford MacLaggan	Associate	Manager	Vancouver Island Health Authority	BC/Canada
Eric C. Watkins	Institutional/Individual	Clinical Systems Engineer	Kaiser Permanente	CA/USA
Jeff Hooper	Individual	Principal, Biomedical Engineer	MITRE	MD/USA

## 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](mailto: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. Bagjan, 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

- Developing a business case for effective acquisition
- Guidance and templates for proper integration of new medical technology
- Using risk profiles to plan training and introduce complex technology

- 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:

- Emergency Preparedness Assessment for HTM Departments. A checklist to aid HTM departments in ensuring consistency and completeness when preparing for emergency situations.
- 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

*(Continued on page 5)*

# International Committee Report

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 Grabele to the Colegio Colombiano de Ingeniería Clínica (COLCINC). Upcoming are two presentations. The first one is entitled "Clinical Equipment Support Laboratory - The Biomed Workshop" and will be delivered by Lou Schonder on January 18, 2022, to the Clinical Engineering Association of South Africa (CEASA). The second one is enti-

tled "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](mailto:International.chair@accenet.org)

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## AAMI Update continued

*(Continued from page 4)*

HTM departments conducted by the TMC.

A majority of the respondents were not sure if there was an emergency management plan in place for their health system, while "some of the survey respondent even went as far as to say they didn't even know who their emergency management team was," he explained. "That was really concerning."

"When you're looking at all HTM departments, regardless of budget or the size of their health system, you're really going to get a gamut of preparedness levels," added Danielle McGeary, vice president of HTM at AAMI

"During the worst of the pandemic, I remember one technician called AAMI with an important question and I told him 'Well I think that would be a great question for your emergency manager' and he asked, 'what is an

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 Dummert, moderated by Martin Poulin. The speaker outlined the value that HTM/CE that can provide 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 Connected Medical Devices and the Challenges 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 Commission Update: Registration required. Free registration for ACCE members [here](#). Pay registration for non-members: click [here](#)

- March 10: Developing and Managing Policies 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](mailto: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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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  
Asimily

# ECRI Perspectives: 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  
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# IFMBE Clinical Engineering Division (CED): 2021 Review



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:

	The Global CE Village	2021 Activity
1	IFMBE CED <b>Board &amp; Collaborators</b> (B&C) <a href="https://ced.ifmbe.org/about-us/who-we-are.html">https://ced.ifmbe.org/about-us/who-we-are.html</a>	<b>Growth! December 2021: 480+ B&amp;C members, 190+ countries In 2020-2021, 225 B&amp;C from 104 countries joined monthly Zoom calls</b>
2	International CE - Health Technology Management <b>Congress</b> (ICEHTMC) & <b>Global CE Summits</b> (priority-setting)	<b>4<sup>th</sup> ICEHTMC</b> (Virtual) – <b>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</b>
3	Health Technology & World Health Organization-WHO Medical Devices Unit-COVID19 <b>Webinars</b> <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>	<b>CED-WHO: 12 Webinars, 1900 registrants from 135 countries. Global CE Alliance-GCEA: 4 others with 525 registrants from 87 countries: <a href="https://www.globalcea.org/webinars">https://www.globalcea.org/webinars</a></b>
4	Global Clinical Engineering <b>Journal</b> – GCEJ <a href="https://globalce.org/index.php/GlobalCE">https://globalce.org/index.php/GlobalCE</a>	<b>3 Issues in 2021 Including massive 4<sup>th</sup> ICEHTMC Proceedings</b> (200 presentations) <a href="https://globalce.org/index.php/GlobalCE/issue/view/16">https://globalce.org/index.php/GlobalCE/issue/view/16</a>
5	<b>Global CE Day</b> – celebrating the contributions CEs make to healthcare daily <a href="https://www.globalcea.org/globalceday">https://www.globalcea.org/globalceday</a>	<b>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</b>
6	WHO <b>Compendium</b> of innovative health technologies (HT) for low resource settings-LRS	<b>53 responses, 51 CE-BME contributors</b> (GCEA-CED in contract with WHO). <b>33 countries</b> (including all 6 WHO Regions: AMRO, AFRO, EMRO, EURO, SEARO, WPRO)
7	<b>Hacking COVID19</b> Weekday Health Technology e-Newsletter	<b>Continuing December 2021 &amp; beyond 450+ e-Newsletters, 3000+ references</b> (hcu site), <b>16,000+ subscribers</b>
8	Global <b>CED Notifications</b> WhatsApp group for CE-HTM & COVID19 issues	<b>200 global CE colleagues on-line daily with rapid Q&amp;A Many carry CED site responses to their country WhatsApp groups</b>
9	<b>CED All-Directory</b> monthly global HT Leader e-Newsletters last 3 years	<b>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></b>
10a	Example <b>Global Health Technology</b> Recognition/Case Studies (CED-GCEA typically in role as global facilitators)	<b>Capacity Building: 2020-2021</b> , MOH Bangladesh officially recognized the profession and began filling public hospital CE practitioner positions. <b>Policy: 2021</b> MOH Paraguay continues to expand its Tele-health Policy, eg, conducted study: <i>Diagnosis Innovation using AI to improve COVID screening</i>
10b	India: Integrated Medical Device manufacturing ecosystem <b>example past 3 years</b> <a href="https://www.amtz.in/">https://www.amtz.in/</a>  From 2019-now, AMTZ has been developing this array of services, currently utilized by 94 medical device companies on-site: (1) <b>ADDIT</b> (3D); (2) <b>BIOME</b> (Materials); (3) <b>ELECTRA</b> (EMI-EMC) (4) <b>DECIBLE</b> (Acoustic, Wireless); (5) <b>TEXTURA</b> (Textiles); (6) <b>COBALTA</b> (Gamma); (7) <b>Medi Valley</b> (Incubator); (8) <b>Bio Valley</b> (Bio-Engineering); (9) <b>GALAXY</b> (Laser); (10) <b>SILICO</b> (Elec. components, sensors); (11) <b>DIODE</b> (superconducting magnet); (12) <b>OXY-ZONE</b> (Oxygen); (13) <b>TECHTRON</b> (Radioisotope); (14) <b>ORGEN</b> (organ generation); (15) <b>ARC</b> (animal research); (16) <b>STERILLA</b> (sterilization); (17) Warehouse & Logistics; (18) <b>MEDI-SHORE</b> : Customer Support	<b>Manufacturing: Ventilators (using national EUAs), IVDs, PPE, Oxygen Systems:</b> 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  28,000 OCs also sold within India for industrial use  300 OCs given to neighbor Indonesia in 2021; thousands of OCs given to Thailand in Sept 2021  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](#).

## The Single Source of Truth: How Biomed and IT Security Deliver Safer Patient Outcomes Together

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](#).

The slide features the ACCE logo on the top left and the CyberMDX logo on the top right, with the text "Sponsored by CyberMDX". The main title is "Complimentary webinar The Single Source of Truth: How Biomed and IT Security Deliver Safer Patient Outcomes Together". Below the title, it states "Date/Time: Tuesday, January 18, 12pm - 1pm EST".

The central text reads: "Biomedical Engineers responsible for healthcare technology management (HTM) make significant decisions that affect a hospital's cyber security posture. Whether it's procuring new medical devices, managing device end-of-life, or connecting devices to the network, it is critical that any decisions they make consider device security, data integrity, and patient safety. In this webinar, we'll discuss some of the challenges facing biomedical engineers - from procuring devices that have potential vulnerabilities to lack of device visibility and centralized management - and the security team should support their initiatives and integrate them into their overall cyber security strategy."

Two speakers are featured with their photos and names: Shannon Lavack, Senior Project Manager, HTM IT, Sodexo Healthcare Technology Management; and Amir Vashkover, VP Business Development & Strategic Alliances, CyberMDX.

At the bottom, there is a play button icon and the text "Webinar Presentation and recording AVAILABLE NOW" and "OnDemand Webinar".



**CALL FOR PAPERS**



# 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.

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**EDITOR-IN-CHIEF: Dr Yadin David**

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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 2022 12:00 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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