



The Whistle

FHEA

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T. Wayne Gibbs,
CHFM

Hello FHEA Members,

The 58th FHEA Trade Show and Annual Meeting is set to open in just over four months on September 23rd in Orlando at the Marriott World Center. Rest assured that the Florida Healthcare Engineering Association (FHEA) remains diligent in ensuring that the safety and security of our attendees, staff, and operational personnel remains our top priority. With that in mind, there are currently no plans for FHEA to cancel or postpone the FHEA Trade Show and Annual Meeting as result of COVID-19, the Coronavirus.

The President's Corner

As we move ahead with planning and implementing our programming, we will continue to place high importance on facilitating measures that will ensure optimal health and sanitary conditions for everyone onsite during the event. In order to remain informed about the ongoing situation, at both the global and local levels, we are in constant communication with our partner, the Marriott World Center, and area Convention and Visitors' Bureaus.

The Marriott has been participating in a local task force with other Orlando-area hotels to further define standards for conferences, including plans for meals, seating requirements, and other meeting-related details. To learn more about Marriott's current initiatives, visit <https://clean.marriott.com/?nck=31864915&ck=49714041&lk=1000411969>

We have planned cutting-edge, informative educational sessions as we enter this Sea of Change.

For complete details, including the schedule, topics, and speakers, click here <https://fhea.org/2020-fhea-annual-meeting>

Remember too, the FHEA Educational Workshops and the AHCA Seminar sessions will be held concurrently. Because of that you will **not be able to register for both AHCA and FHEA.**

The FHEA Board of Directors has initiated an attendance program, just for this particular meeting, for our hospital engineer members. You will be receiving a letter soon with details and more information, so watch your mailbox.

Everyone has been dealing with the COVID-19 in their facilities and companies, and now, it's time to also think about the hurricane season which is upon us. Hurricane forecasters have said we can expect major activity again this year.

(President's message continued on page 2)

The President's Corner (Continued)

Experts anticipate the 2020 Atlantic basin hurricane season will have above normal activity and therein exists the probability for major hurricanes to make landfall along the continental US.

Colorado State University meteorologist Phil Klotzbach and other experts have predicted that we will have sixteen named tropical storms with the likelihood that eight will become hurricanes. Typically, an average season has twelve tropical storms, six of which become hurricanes.



With less than four weeks from the official beginning of hurricane season, 2020 is already showing signs of being a year flooded by storms, per a recent report by AccuWeather. Our Florida State Emergency Management and Operations Center is dedicated to fully being prepared and ready to activate when necessary.

Contingencies will not only include planning for the impacts of hurricanes, but preparedness on also handling the coronavirus outbreak and the mechanics of making sure medical facilities and shelters can accommodate people safely.

During these challenging times, stay well and safe. We look forward to seeing you in Orlando, September 23 - 25!

Wayne

Memorial Day

**Celebrate. Honor.
Remember.**

*Thank Those Serving...
Remember Those Lost...*

WELCOME NEW SUPPORTING MEMBERS (March - May)

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58th Annual

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FHEA Agenda

FHEA Annual Meeting Registration Fees:

- FHEA Active Members: \$125
- FHEA CHE Members: \$115
- FHEA Supporting Members: \$200
- Non-Members: \$300
- Toolbelt Training ONLY: \$75 /\$100

September 23, 2020

- 7:00am FHEA Golf Tournament - Hawk's Landing Golf Club
- 5:30 – 6:30pm FHEA Meet and Greet

September 24, 2020

- 7:00am FHEA Trade Show – Exhibitor Move-in
- 8:30am FHEA CHE Breakfast
- 10:00am FHEA Opening General Session:
“Sailing the Winds of Change on the Seven C’s”
Keynote Speaker: Dr. Dale Henry; Teacher, Principal, Dean of the oldest college in Tennessee, businessman, and author
- 12:00 – 1:00pm FHEA Networking Luncheon
“An Awesome Career Path, Never Taken”
Speaker: Mike Canales; HFL Program Director, Owensboro Community & Technical College
- 1:00 – 2:00pm **“Joint Commission Update – What You Need to Know”**
Speaker: George Mills, FASHE, CHFM, CHSP, CEM; CEO, ATG Director of Technical Operations, JLL Healthcare Solutions; former Director for the Department of Engineering at The Joint Commission
- 2:00—3:00pm **“COVID-19 Effect in the Built Environment - What We Now Know”**
Speakers: Mark L. Smith, AIA, LEED AP, Vice President Florida Operations, GHP Environmental + Architecture and Kenneth S. Garza, CIH, MS, Vice President and Partner, GHP Environmental + Architecture
- 3:00 – 4:00pm **“Emergency Power Regulation Changes for Healthcare – State and Federal”**
Speaker: Dan Chisolm, Sr., CHFM, CHEPP; CEO, MGI Consulting, Inc.

4:00 – 5:00pm **“How Technology is Transforming the Future of Healthcare Facilities Management”**

Speaker: *David Trask; National Director, ARC Facilities*

5:00 – 7:00pm FHEA Trade Show and Welcome Reception

8:00 – 10:30pm FHEA After Hours *Pirate* Casino Party

Mix and mingle with FHEA members, FHEA Sponsors, and FHEA Trade Show exhibitors in this fun, after-hours event. You'll have opportunities to win great prizes. Feel free to dress as a pirate too! Non-FHEA conference registered guests may purchase tickets for \$25 from the FHEA.

September 25, 2020

7:30 – 8:30am FHEA Trade Show Continental Breakfast

7:30am – 1:30pm FHEA Trade Show

9:00 – 11:00am **Two Hour Toolbelt Training Session:** [Registration is available to attend Toolbelt Training Only]

“The Physical Environment, The Achilles Heel of Accreditation”

Speaker: *Mike Canales; HFL Program Director, Owensboro Community & Technical College*

OR

9:00 – 10:00am **“Confused about TJC and DNV Testing and Compliance Requirements”**

Speaker: *Wayne Klingelsmith, FASHE, CHFM, MBA; Principal, MSL Partners, Inc.*

10:00 – 11:00am **“AHCA Update”**

Eddie Alday; AHCA

11:30am – 12:30pm FHEA Networking Luncheon

12:30 – 1:30pm FHEA Trade Show Door prizes

1:30 – 2:30pm **“Healthcare Outside the Hospital – Facility Construction Requirements in the Business and Ambulatory Environment”**

Speaker: *Alex Harwell; Dewberry Engineering and Drew Underwood, AIA, LEED AP, Sr. Healthcare Principal, Thomas Miller Partners*

2:30 – 3:30pm **“4G is Here, 5G is Coming: Is My Hospital FCC Complaint?”**

Speaker: *Jeffrey Ebihara, Waterford Consultants*

3:30 – 4:00pm FHEA Business Meeting and ASHE Update

FHEA reserves the right to change or modify topics, speakers, and times due to unforeseen circumstances.

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How 5G Will Help Us Fight Future Pandemics

AUTHOR JEFFREY EBHARA

“How do you get this thing to stop beeping?” asked my then 65-year old father as he grappled with the small pager in his hand. He had been a small-town optometrist for over 35 years when he sold his practice, and for the first time in his life, was asked to embrace a “new” wireless technology letting him know to call the hospital operator for an urgent message.

Fast-forward 20 years, healthcare professionals, and the facilities they work in, have embraced to varying degrees, wireless technologies providing high-speed broadband for doctors, patients, and guests through a combination of fiber, Wi-Fi, and distributed antenna systems (DAS). Faced with the current COVID-19 pandemic, the need for 5G networks to support urgent hospital activities, such as video-based telemedicine, file sharing, and physician to physician consultations has never been more pronounced.

COVID-19 has shown the importance of the sharing of data between healthcare professionals, as well as between Federal, state, and local public health agencies to curtail the spread of the virus. The ability to quickly, securely, and remotely send and receive large amounts of data becomes vitally important, as is the ability to get accurate information to the masses.

With many Americans under self-quarantine, adequate network bandwidth on existing 3G and 4G networks has presented a challenge for commercial carriers like Verizon, AT&T, T-Mobile, and US Cellular. During normal circumstances, these networks can often struggle with network capacity challenges.



5G is currently being deployed by commercial carriers across the country. It has the promise of providing increased speed, network capacity, and improved security. The speed of 5G eliminates the latency (delay) in the transfer of data, like patient files, MRIs, and photos from one device to another. When you see the spinning spiked wheel on an Apple device, you are experiencing latency.

Network capacity with 5G is improved so more people and devices can be served in a hospital location. Commercial carriers must strike a balance between coverage and capacity when designing a network.

Coverage can be compared to the size of an umbrella - a golf umbrella provides more coverage from the rain than one that collapses and fits in your purse or backpack.

Capacity is equivalent to how many people can get under the umbrella. 5G requires more antenna locations (smaller umbrellas) due to the higher frequencies and shorter wave lengths, creating increased network capacity vs. today's 4G LTE networks (it magically fits lots of people under small umbrellas).

(Continued)

Doctors bringing their mobile devices to work, patients transmitting vital signs via wearable devices, video conferences between providers and patients, and the transfer of patient files all require a secure network to protect vital information. Add in medical devices and hospital equipment connected to the “Internet of Things” or IoT, and the many access points have created a critical infrastructure for health care and a significant security challenge.

Author Jeffrey Ebihara is the Director of Business Development at Waterford Consultants, a professional services organization specializing in FCC and FAA regulatory compliance, engineering, site development, and a host of software and technology-related offerings that service the wireless industry. For more information, email jebihara@waterfordconsultants.com

In conclusion, 5G holds the promise of accelerating the future of healthcare, including the fight against pandemics like COVID-19. Some key benefits include:

- Addressing the knowledge and resource constraints facing rural hospitals
- Providing medical care to rural Americans with no convenient access to medical facilities
- Reducing the cost to upgrade existing wired hospital networks by deploying 5G wireless networks
- Expediting the adoption of telemedicine to reduce healthcare costs
- Improving the speed and security of data transfer between devices (patient files, MRIs, etc.)
- Opening the potential for virtual reality training for surgical procedures

My father never did wear or learn to use his numeric pager, but now at 86 years of age, he has mastered surfing the internet and sends me numerous articles about how to wash my hands to avoid COVID-19.

FHEA District Meeting Make-up (Until July 1st)

The FHEA is glad to announce that you are able to “attend” FHEA

District meetings and receive credit for attendance until July 1st by logging into the webinars that are announced on our website, <https://fhea.org/webinars> . Please let us know that you attended by emailing info@fhea.org as instructed. All ASHE CE is pending.



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Websites for Hurricane Resources and Information

- [National Hurricane Center](#) -- A website from the hurricane experts with the latest hurricane information, past hurricane data, storm tracks, and satellite and radar imagery
- [The Weather Channel](#) --The complete website for weather information
- [Hurricane Hunters](#) -- This site gives information about the men who fly into Hurricanes and play a very critical role in getting essential details out about these deadly storms
- [Central Florida Hurricane Center](#) -- A Florida website that provides coverage to the Central portion of the state
- [FEMA](#) -- The Federal Emergency Management Agency, which has a great deal of information on various natural disasters that have affected the United States, including hurricanes
- [Atlantic Hurricane Information Network](#) -- this site contains plenty of information on current Atlantic Hurricanes as well as links to tropical imagery
- [The National Weather Service](#) -- U.S. National Weather Service website
- [Florida State University Tropical Page](#) -- FSU website
- [StormCarib](#) -- The Caribbean Hurricane Network- This website reports on Tropical Storms and Hurricanes as the impact the Caribbean Island chain
- [Red Cross Disaster Services](#) -- Hurricane -- Information regarding how to prepare for, evacuate before, and what to do when a hurricane approaches
- [CDC -- Hurricanes](#) -- The Center for Disease Control web page for emergency preparedness and response for hurricanes, including food safety, water safety, and protecting yourself after a hurricane passes
- [NOAA Coastal Services Center](#) -- Historical Hurricane Tracks - An internet tool that contains a database of all the storm tracks by past tropical storms and hurricanes by Zip Code, Storm Name, etc.



Templates for submitting inspection, testing, and maintenance waivers to CMS

Health care facilities can access a template letter and table to request a waiver under Section 1135 of the Social Security Act. The waiver will allow facilities to delay inspection, testing, maintenance, and certain drills required by the Centers for Medicare & Medicaid Services. The letter must be modified to include the health care organization's information. The table, which should be submitted with the letter, gives guidance on how requirements should be modified during the COVID-19 emergency. Waivers help to limit non-essential persons from entering health facilities and risking exposure, while also allowing health care staff to focus on patients.

[Download 1135 Waiver Template](#)

[Download Waiver ITM Recommendations Table](#)

[Download Guidelines Scheduled Maintenance During Health Emergencies](#)

Questions on this process can be directed to Jonathan Flannery, ASHE senior associate director of advocacy, at jflannery@aha.org.

FHEA Website

As a member of the Florida Healthcare Engineering Association, our website is full of so much information that you may find helpful. For example, you can log in and get a membership list for both Full active members (hospital engineers) and our Supporting Members.

You can also access resources, i.e. COVID-19 stats; webinars; publications, like our award-winning Whistle; the FHEA Job Bank; and other important information to make your job easier.

To learn more, visit <https://fhea.org/resources>

Please email us, info@fhea.org or give us a call at 813.988.FHEA (3432) if there is any information you need.

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FHEA 58th Trade Show™ and Annual Meeting

September 23 - 25, 2020

Orlando World Center Marriott

More Information & Registration

“Policies, Regulations, and Outcome-Based Performance in a Sea of Change”

Special Feature: Toolbelt Training Session

September 25 • 9am - 1:30pm

Florida Healthcare Engineering Association
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