



# BMET SYMPOSIUM

A collaborative event of the radiography and Biomedical Electronics Programs at NWTC and the professional organizations that support them

October 28<sup>th</sup> and 29<sup>th</sup>  
Northeast Wisconsin Technical College  
Green Bay, Wisconsin

## Vendor Show

- \$450/Vendor Booth
- 8x10 Booth with Power/Internet Access
- General Admission to all Symposium Events on Oct. 28<sup>th</sup> & Oct. 29<sup>th</sup> for all Sales Reps Attending the Event
- Space is Limited

### **Vendor Registration Link:**

<https://events.nwtc.edu/corporate-training/event/detail/biomedical-tech-conference-2-day-vendor-registration-32cb18>

## Sponsor the Event

- 3 Opportunities to Sponsor a Session Between Presentations:
  - Coffee/Snack Breaks \$250.00
  - Breakfast \$500.00
  - Lunch \$700.00
- Brand Advertising Will be Displayed
- Will Receive an Exclusive Area to Meet With Customers

See email for links to sponsor the event

ONE DAY ONLY - Vendor Show Will Take Place on Thursday, October 28<sup>th</sup> From 11:00AM until 2:00PM

### **Registration Links For Attendees:**

#### **Student Registration**

Students please see Don Cormier to Register

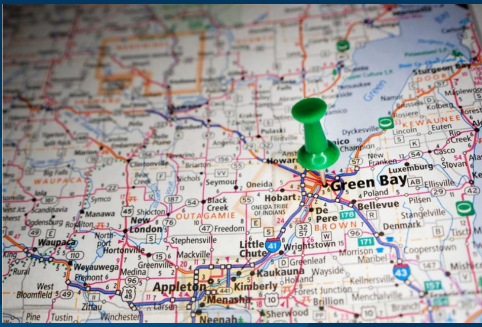
#### **Biomed Tech/Radiographer – General Admission Registration**

- \$70.00 to Attend
- Access to all Events
- Link: <https://events.nwtc.edu/corporate-training/event/detail/bio-med-tech-symposium-general-admission-340c40>

#### **Biomed Tech/Radiographer – Admission (with CEU Certifications) Registration**

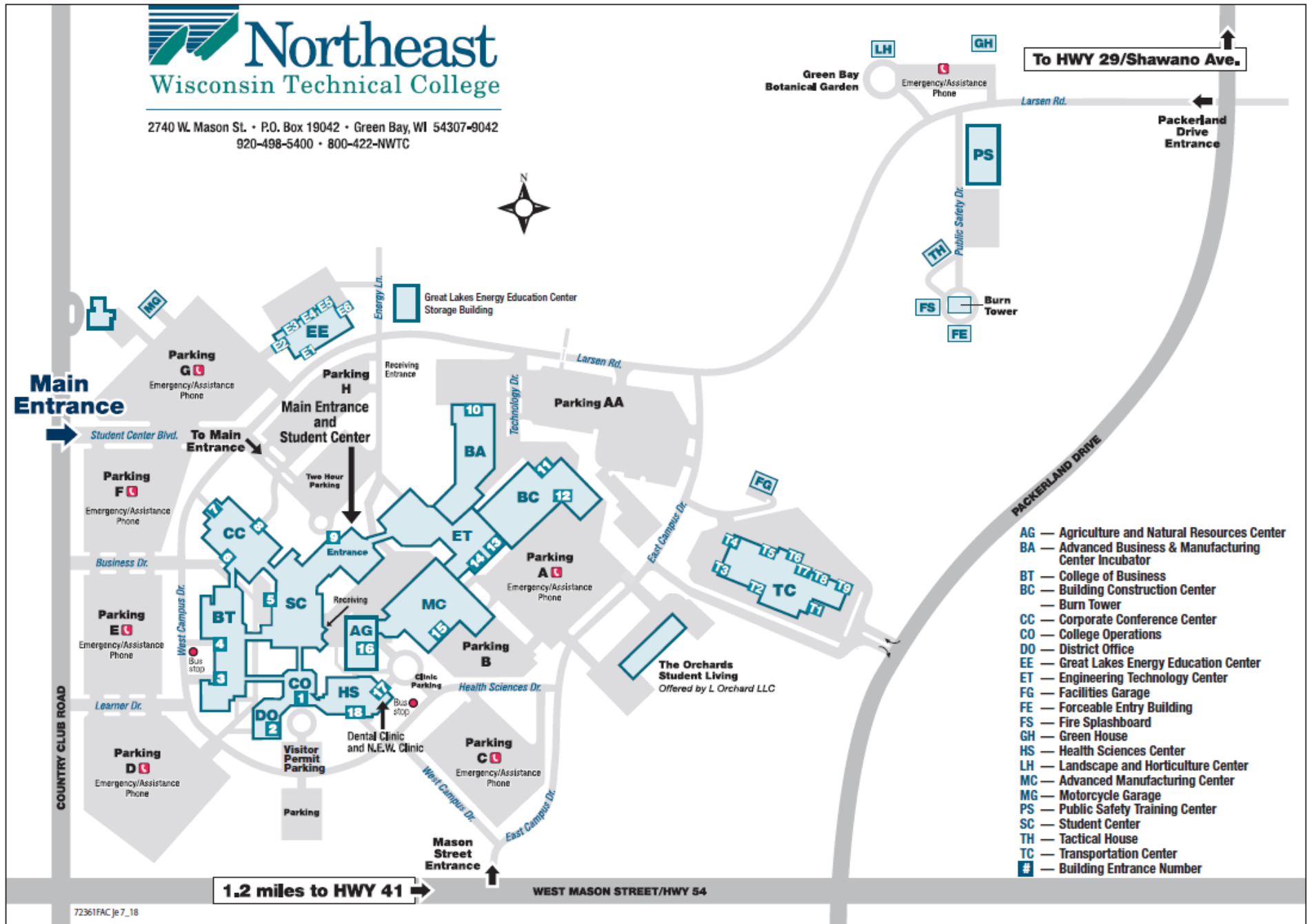
- \$105.00
- Access to all Events
- Will Receive a Certificate for Each Presentation Attended
- Link: <https://events.nwtc.edu/corporate-training/event/detail/bio-med-tech-symposium-general-admission-w-ceus-3413b8>

Contact Don Cormier at [don.cormier@nwtc.edu](mailto:don.cormier@nwtc.edu) or Cortney Daoust at [cortney.daoust@nwtc.edu](mailto:cortney.daoust@nwtc.edu) with questions.



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Wisconsin  
Technical  
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2740 W.  
Mason St,  
Green Bay,  
WI 54303

**NORTHEAST**  
WI Technical College



# Speaker Schedule Thursday October 28th

	Time	7:00 AM – 8:00 AM	8:00 AM-9:20 AM	9:20 AM - 9:30 AM	9:30 AM – 11:00 AM	11:00 PM -2:00 PM	2:00 PM – 3:30 PM	4:00 PM – 7:00 PM
Room 1			Room 1		Room 1		Room 1	
Speaker Name			Don Borst Radiography Program Director at Northeast Wisconsin Technical College - Green Bay, Wisconsin		Randy Griswold, M.P.A., RTR Biomedical Electronic Adjunct Northeast Wisconsin Technical College - Green Bay, Wisconsin		Lori Dufek NXC Imaging IDN Manager	
Topic			Basic radiographic exposure principles and digital imaging.		A New Paradigm for Digital Radiographic Technique Selection and Image Assessment		Medical Image Sharing Updates	
Room 2			Room 2		Room 2		Room 2	
Speaker Name			Lori Dufek NXC Imaging IDN Manager		Kenneth Hable, MD, BSRT, Siemens Lead Engineer/Instructor Tri-Imaging Solutions.		Moderator Michael W. Smith, P.E., MBA, BSBET, AAS BioMed Senior Site Manager TriMedx Fox Valley Wisconsin	
Topic			MR Safety Presentations		TBD		Speaking "RAD" Round Table Discussion About Improving Communications between Service and Radiography Technicians	
Room 3		Registration and Breakfast located Corporate Conference Center Atrium	Room 3	Break located Corporate Conference Center Atrium	Room 3	Vendor Show and Luncheon located in Eagle Event Center	Room 3	Symposium Social Gallagher's Pizza 2655 W Mason St, Green Bay, WI 54303
Speaker Name			Gary L. Hoffman Pronk Technologies Sales Director		Moderator Jay E Olson Director   MCHS Biomedical Services Marshfield Clinic Health System		Brian Wallace Phillips Medical	
Topic			Is the Medical Device Really Ready to Go Back to the Clinical Department?		Round Table Discussion Medical Device and Facilities Security Events Network Security		First Line Troubleshooting of Ultrasound Machines	
Room 4			Room 4		Room 4		Room 4	
Speaker Name			TBD		Jeffrey S. Lee Vice President of Industrial Sales Total Water Treatment Systems, Inc		Holly Schultz GE Patient Monitoring	
Topic			TBS		H2O Water purification for the healthcare environment		Q & A, GE Patient Monitoring	
Auditorium			Auditorium		Auditorium		Auditorium	
Speaker Name							Dan Fina Fluke Corporation	
Topic			TBD		TBD		Hands-on testing clinic with Fluke test equipment and their automated software	

# Speaker Schedule Friday October 29th

Time	7:00 AM – 8:00 AM	8:00 AM-9:20 AM	9:20 AM - 9:30 AM	9:30 AM – 11:00 AM	1:00 AM -12:00 PM	2:00 PM - 1:00 PM	2:00 PM – 3:30 PM
Room 1	Registration and Breakfast located Corporate Conference Center Atrium	Room 1	Break located Corporate Conference Center Atrium	Room 1	Luncheon located in Eagle Event Center	State Meeting located in Eagle Event Center	Room 1
Speaker Name		Don Borst Radiography Program Director at Northeast Wisconsin Technical College - Green Bay, Wisconsin		Randy Griswold, M.P.A., RTR Biomedical Electronic Adjunct Northeast Wisconsin Technical College - Green Bay, Wisconsin			Lori Dufek NXC Imaging IDN Manager
Topic		Exposure indicators and their effect on image quality		Giving "TLC" to Your X-ray System - What You Should Know as a Technologist			What's new with Digital Radiography
Room 2		Room 2		Room 2			Room 2
Speaker Name		Lori Dufek NXC Imaging IDN Manager		Mark Bake, DBA, RTR, CT Dean of Allied Health Sciences BSRS Program Director Bellin College			Dental X-Ray Richard Wilde Preferred Dental Services
Topic		Ultrasound Ergonomics		CT coronary angiography.			Dental Imaging
Room 3		Room 3		Room 3			Room 3
Speaker Name		Janet Strong, BSN, RN, CNOR, CRCST, CHL Clinical Education Specialist for IN, KY, MI, OH, & WI STERIS Corporation / Healthcare		Kenneth Hable, MD, BSRT, Siemens Lead Engineer/Instructor Tri-Imaging Solutions.			Ronald Urban MSc-RC, RRT-NPS-ACCS, CPFT, C-NPT Respiratory Technologies – Integrated Analytics, Ventilation Capital Equipment and Clinical Support
Topic		Steam sterilization.		Networks, PACS & DICOM Troubleshooting			Discussion conventional ventilation, high frequency ventilation and the technologies that surround both.
Room 4		Room 4		Room 4			Room 4
Speaker Name	Mitch Boville Total of 28 years as an X-ray service engineer. Currently servicing and maintaining Airport CT X-ray security scanners.	Amy Flegel Endoscopy Account Manager Surgical Endoscopy Territory Manager Olympus America	Todd Bealhen Territory Manager GMED ONE				
Topic	Alternative Careers in Imaging Airport X-ray Machine Technician	Introduction to Endoscopy	Ultrasound Probe troubleshooting				
Auditorium	Auditorium	Auditorium	Auditorium				
Speaker Name	TBD	TBD	TBD				
Topic							

# Presentation Information

<p><b>Mark Bake</b>, DBA, RTR, CT Dean of Allied Health Sciences BSRS Program Director Bellin College</p>	<p><b>CT Cardiac Imaging</b> "ASRT CE credit applied for" Discussion on the concepts and skills required to produce high quality diagnostic cardiac CT images. Presentation will touch on the clinical use for both coronary artery calcium scoring and CT coronary angiography. <b>Objectives:</b> Understand the basic concepts surrounding the technology of Cardiac CT. Develop a firm understanding of the technical factors involved in acquiring high quality, diagnostic exams and images for interpreting physicians. Demonstrate the decision-making process in choosing the correct protocol for patient specific conditions related to Cardiac CT.</p>
<p><b>Todd Bealhen</b> Territory Manager GMED ONE</p>	<p><b>Ultrasound Probe troubleshooting</b> Hands on session on testing Ultrasound probes</p>
<p><b>Don Borst</b> Radiography Program Director at Northeast Wisconsin Technical College - Green Bay, Wisconsin</p>	<p><b>Basic radiographic exposure principles and digital imaging.</b> "ASRT CE credit applied for"</p>
<p><b>Don Borst</b> Radiography Program Director at Northeast Wisconsin Technical College - Green Bay, Wisconsin</p>	<p><b>Exposure indicators and their effect on image quality</b> "ASRT CE credit applied for"</p>

# Presentation Information

<p><b>Mitch Boville</b> Service Engineer Leidos</p>	<p><b>"Alternative Careers in Imaging Airport X-ray Machine Technician"</b> Mitch Boville has a Total of 28 years as an X-ray service engineer. Worked for NXC Imaging (2 times), Cal-Ray, GE and Philips. Have experience and training in truck driving and auto mechanics. Lead Tech in the R+D for Lunar Radiation. Project Coordinator for Quality Assembly and Logistics. Currently servicing and maintaining Airport CT X-ray security scanners. Mitch Boville of Leidos "Airport X-ray Machine Technician" Join Mitch Boville, Engineer of Leidos for a presentation on information about X-ray &amp; X-Ray machines used in airport security and how-to pursuit this variation of a career servicing X-ray equipment</p>
<p>Panelist <b>Joe Cicero</b> Senior Security Engineer</p>	<p><b>Round Table Discussion Medical Device and Facilities Security Events Network Security</b> Joe Cicero is currently a Senior Security Engineer. He was originally from Green Bay and in 1985 he joined the Marines. His final duty assignment was as the Operations Chief for Special Operations Training Group, Tactical Warfare Simulations Evaluations Analysis Systems where he travelled the world conducting officer training through use of computer simulations. Joe has had positions covering every aspect of computers including: Help Desk Support, Technician, Programmer, Columnist, Network Administrator, Director of Technology, Computer Security and Incident Response Team Member, Defense Forensic Examiner, Instructor and Senior Security Engineer. He is passionate about security, privacy and forensics and enjoys "tinkering" with all types of technology. Joe has spoken within Wisconsin and nationally at Defcon, HOPE, UAT, THOTCON, CypherCon and WACCI. In 2009 Joe was the recipient of the Information Technology Outstanding Service Award for the state of Wisconsin. In 2013 Joe advised the NWTTC team which went on to win the Wisconsin Collegiate Cyber Defense Competition (CCDC). In 2018 Joe left education to work in healthcare as a Senior Security Engineer where he specializes in workforce phishing training, computer forensics, vulnerability assessment and remediation, and monitoring the network for security issues</p>
<p><b>Lori Dufek</b> NXC Imaging IDN Manager</p>	<p><b>Medical Image Sharing Updates</b> "ASRT CE credit applied for"</p>
<p><b>Lori Dufek</b> NXC Imaging IDN Manager</p>	<p><b>MR Safety Presentations</b> "ASRT CE credit applied for"</p>

# Presentation Information

<p><b>Lori Dufek</b> NXC Imaging IDN Manager</p>	<p><b>What's new with Digital Radiography</b> "ASRT CE credit applied for"</p>
<p><b>Lori Dufek</b> NXC Imaging IDN Manager</p>	<p><b>Ultrasound Ergonomics</b> "ASRT CE credit applied for"</p>
<p><b>Daniel Fina</b></p>	<p><b>"Hands on demonstration and learning opportunity"</b>. Instruction on how to run electrical safety tests and defibrillator/pacer testing using Fluke Biomedical test equipment. Learn the steps to run preventative maintenance tests. Also featured will be Fluke Biomedical's automated OneQA software for efficient standardized testing and documenting results</p>
<p><b>Amy Flegel</b> Endoscopy Account Manager Surgical Endoscopy Territory Manager Olympus America</p>	<p><b>Introduction to Endoscopy</b> Overview of Endoscopic cart Overview of Scopes Overview of Endoscopic procedures Basic Troubleshooting "ASRT CE credit applied for"</p>
<p>Panelist <b>Greg M Garneau</b> Chief Information Security Officer Marshfield Clinic Health System</p>	<p><b>Round Table Discussion Medical Device and Facilities Security Events Network Security</b></p>

# Presentation Information

<p><b>Randy Griswold, M.P.A., RTR</b></p>	<p><b>A New Paradigm for Digital Radiographic Technique Selection and Image Assessment</b>  <b>"ASRT CE credit applied for"</b>  <b>Presentation Description:</b>            The evolution of digital imaging technology has brought about profound changes in the production of radiographic images. Today's digital images are now electronic data sets that conform to the rules of 'electronics' rather than the traditional rules of photographic image production. The technologist community has been somewhat hesitant to adapt to these electronic data sets and how best to use them in optimizing image quality. This lecture presentation will look at a suggested new paradigm for digital image production and assessment, as radiography evolves into an electronic medium</p> <p><b>Objectives</b>            Upon completion of this presentation, the participant should be able to:</p> <ul style="list-style-type: none"> <li>· Examine technology trends that can be used to explain a medical imaging paradigm</li> <li>· Identify significant digital radiographic imaging advances resulting in a new paradigm analysis for radiographic image production and assessment</li> <li>· Analyze the current radiation exposure/image quality paradigm as to current-day applications</li> <li>· Suggest modifications to current radiographic exposure selection, to improve relevancy</li> <li>· Predict current medical imaging trends as they relate to general radiography</li> </ul>
<p><b>Randy Griswold, M.P.A., RTR</b></p>	<p><b>Giving "TLC" to Your X-ray System - What You Should Know as a Technologist</b>  <b>"ASRT CE credit applied for"</b>  <b>Presentation Description</b>            X-ray systems have been around for over 100 years and, although their capabilities and convenience features have changed to improve efficiency and image quality, the basic design elements are still present. This presentation will look at suggested methods and practices that the radiographer can do to extend the useful life of an x-ray system. Topics covered will include the electrical and mechanical considerations of equipment operation as well digital detector practices. The overall goal is to raise an awareness of the important role technologists play with the useful life of a sophisticated piece of medical equipment.</p> <p><b>Objectives:</b>            Upon completion of this presentation, the participant should be able to:</p> <ul style="list-style-type: none"> <li>Identify the various mechanical components of a typical radiographic system</li> <li>Discuss the techniques that can be used to protect the x-ray tube from a shortened useful life</li> <li>Suggest practices to prevent unwarranted damage to an x-ray system</li> <li>Recognize symptoms of possible x-ray system malfunction</li> <li>Summarize the important role technologists play in maximizing x-ray system functionality and usefulness</li> <li>Develop methods to foster better communication with biomedical and service engineers</li> </ul>



# Presentation Information

<p><b>Kenneth Hable</b>, MD, BSRT Siemens Lead Engineer/Instructor Tri-Imaging Solutions.</p>	<p><b>Networks, PACS &amp; DICOM Troubleshooting</b> Hospitals are moving quickly into a digital and filmless world of information. Innovations in technology that are providing better and faster image diagnosis are rapidly showing up in all areas of diagnostic imaging. As a service professional in radiology or biomedical engineering, you need to become familiar with the trends in computer/information networking, and DICOM standards. This session is designed to provide maintenance providers with a brief introduction to the hospital network environment as well as the fundamentals of the DICOM Standard</p>
<p><b>Gary L. Hoffman</b> Pronk Technologies Sales Director</p>	<p><b>Is the Medical Device Really Ready to Go Back to the Clinical Department?</b> Presentation will give attendees a chance to better understand test equipment specifications that are used for maintaining and calibrating medical devices. Attendees will have a chance to review examples of actual device manufacturer testing requirements and compare them to specifications of commonly used test equipment. Through this comparison you will learn how to determine if an analyzer or meter actually meets the manufacturer's requirements, and if not, how much error could be introduced into your testing.</p>
<p><b>Jeffrey S. Lee</b> Vice President of Industrial Sales Total Water Treatment Systems, Inc.</p>	<p><b>H2O Water purification for the healthcare environment</b> This will be a discussion about how water plays an important role in the health care field. From washing surgical tools and equipment to creating a soothing environment for patients to have hydrotherapy, water is essential to the effectiveness of the health industry.</p>
<p>Moderator <b>Jay E Olson</b> Director   MCHS Biomedical Services Marshfield Clinic Health System</p>	<p><b>Round Table Discussion Medical Device and Facilities Security Events Network Security</b></p>
<p>Panelist <b>Lauren Pflieger</b> Regional Director of Sales Medigate Healthcare Security and Clinical Analytics</p>	<p><b>Round Table Discussion Medical Device and Facilities Security Events Network Security</b></p>

# Presentation Information

<p><b>Holly Schultz</b> Account Manager GE Healthcare</p>	<p><b>Q &amp; A Session on GE Patient Monitoring systems by GE Service</b></p>
<p>Moderator <b>Michael W. Smith, P.E., MBA,</b> BSBET, AAS BioMed Senior Site Manager TriMedx Fox Valley Wisconsin</p>	<p><b>Speaking "RAD"</b> Continuing our communication with medical professionals' series from previous round table discussions Mike Smith Michael W. Smith, P.E., MBA, BSBET, AAS-BioMed Senior Site Manager TriMedx Fox Valley Wisconsin Will Moderate a Round Table discussion about bridging the communication gap between Field Service and Radiologic technologists—also known as rad techs</p>
<p><b>Janet Strong</b> BSN, RN, CNOR, CRCST, CHL Clinical Education Specialist</p>	<p><b>Steam sterilization.</b> The basic principles of steam sterilization</p>
<p><b>Brian Wallace</b> Field Services Engineer Philips Medical</p>	<p><b>"First Line Troubleshooting of Ultrasound Machines"</b> During this presentation Discussion will be about common "first look " items BMET's can perform will be discussed How to check the probes Image overview Basic troubleshooting (Is it the machine or the probe?)</p>