RSNA and Exhibitors Deliver State-of-the-Art Education

Presentations bring industry partners and attendees together in several formats

By Michael Hart

This week, more than 50,000 individuals from around the world are in Chicago for RSNA 2018. Today more than ever, RSNA and industry partners are collaborating to deliver high quality learning opportunities to meeting attendees.

Throughout the week, there are hundreds of opportunities to attend scientific poster sessions, hands-on courses, educational courses and plenary lectures. There are hundreds of exhibitors and industry partners to visit on the exhibit floor.

In many ways, it is one-stop shopping for anybody who wants to learn the latest in what is happening in radiology.

Among those providing the most cutting-edge insights are industry partners, some of whom are relatively new to the specialty. One more recent addition to the meeting is Google Cloud.

“We are building a platform for managing health care data,” said Arie Meir, PhD, a product manager at Google Cloud. “Our goal is to enable providers and solution developers to organize their information and make it universally secure, accessible and useful.”

During this year’s meeting, Google Cloud has hosted a corporate symposium that was open to all RSNA attendees as well as a presentation in the Machine Learning Showcase Theater.

Longtime exhibitor Canon Medical Systems USA has a simple message for the radiology community: The key to the future is collaborative imaging.

“We want to make radiology more relevant to cardiology, neurology, oncology—all the specialties,” said Satrajit Misra, vice president of marketing for Canon Medical Systems. “We want to help them deliver a better suite of services to drive the large health networks to more patient-centered care.”

Canon is doing that with a series of demonstrations on the exhibit floor, but also with two sessions that allow participants to earn continuing medical education (CME) credits around the same topic.

Google Cloud and Canon are just two of dozens of industry partners that will provide glimpses of the innovations they are developing, and they are doing so in a wide variety of formats.

Along with corporate symposiums, there are:

- Vendor workshops, classrooms set up on the exhibit floor that allow attendees to experience hands-on product demonstrations;
- Showcase presentations, 20-minute demonstrations of company-provided solutions in the Machine Learning Showcase Theater and the 3D Printing & Advanced Visualization Showcase Theater, both on the exhibit floor; and
- Lunch & Learn sessions, where industry partners invite attendees to enjoy lunch as they present new informational and procedural content.

These vehicles for delivering content offer many benefits to the attendee, allowing them to learn from experts about some of the technologies and techniques that currently are being developed and receive hands-on training on the newest tools and equipment.

At the same time, industry partners have the opportunity to interact and obtain feedback from those in the radiology community they are working to serve.

“I see us learning from each other,” said Michael Muelly, MD, a radiologist and product manager at Google Cloud. “This helps the tech industry to better understand the health care needs, and the health care institutions to gain insight into what tech can do for them.”
Three New RSNA Journals Coming in 2019!

Radiology

Submissions Now Open: 
Radiology: Artificial Intelligence and Radiology: Cardiothoracic Imaging

Submissions Opening April 2019: 
Radiology: Imaging Cancer

Visit RSNA.org/Journals for more information.

Meet the RSNA Journal Editors in-person at the RSNA Publications booth 1011 in the Technical Exhibit South Hall A.

• Meet Dr. Gary D. Luker, Editor, Radiology: Imaging Cancer, Monday, 10 AM
• Meet Dr. Charles E. Kahn, Editor, Radiology: Artificial Intelligence, Monday, 2 PM
• Meet Dr. Suhny Abbara, Editor, Radiology: Cardiothoracic Imaging, Tuesday, 10 AM
• Meet Dr. Jeffrey Klein, Editor, RadioGraphics, Wednesday, 10 AM
• Meet Dr. David Bluemke, Editor Radiology, Wednesday, 11 AM
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### Imaging Services
Candels, Inc. 
**BOOTH 3947**

Small Footprint PACS and High-Volume Data Routing and Management
Candels, Inc. is a provider of innovative and cost-effective solutions for imaging centers and imaging systems. ImageGrid Mini is a turnkey, small footprint, cost-effective PACS that provides image management, archival and viewing tools ideal for imaging facilities and radiology departments. The ImageGrid Mini includes a diagnostic image viewer and the capability to back-up and archive images within the Candels ASTRA cloud. ImageGrid Plus is an ultra-high-performance platform that can support high volume health care environments of 1,000+ modalities. The ImageGrid Plus platform is tailored for facilities with an overtaxed central system in the radiology department, and where complex routing rules and DICOM tag matching are necessary to support the radiology work environment.

### Information Systems (RIS & HIS)
IDS Abbadox
**BOOTH 7530**

RIS Cloud-Enabled Solutions
IDS offers a RIS solution that is part of an entire ecosystem of radiology organizations. IDS’s cloud-enabled solutions are offered as a service without the burden of traditional ownership. Abbadox RIS continues to offer innovative technologies. A subscription-style approach enables customers to experience significant cost savings in initial acquisition, ongoing maintenance and support costs. This enables facilities to scale their technology without the capital investment required by traditional RIS providers. abbadox.com

### Medical Artificial Intelligence
DeepRadiology
**BOOTH 6761**

Medical Imaging AI
DeepRadiology is a medical artificial intelligence company that brings together the brightest minds in the field to create revolutionary products that are transforming healthcare. DeepRadiology offers a suite of remodeled new AI powered services. The first is a CT head scan service that is able to detect clinically significant pathology at a lower miss rate than published rates for radiologists. There is also a new service for chest X-ray, CT chest, CT abdomen/pelvis and bone age. New services will also soon be available for other CT scan types as well as for major study types in conventional X-ray, ultrasound, magnetic resonance imaging, mammography and nuclear medicine.

### Medical Imaging AI
QView Medical
**BOOTH 3572**

AI Supercharge Dense Breast Challenges
QView Medical’s QV CAD software system is FDA and PMA-approved, using AI algorithms for breast cancer detection. These AI CAD algorithms are based on a combination of machine vision and AI deep learning neural network technologies. It analyzes the 3D volumetric ABUS images to automatically highlight areas of interest. QView Medical’s AI QV CAD system is the first AI CAD system to offer a PACS-integrated AI solution for dense breast evaluation. It has been extensively evaluated in clinical studies. In a recent study, QV CAD was able to identify lesions that were missed by radiologists, with an accuracy rate of 95%. This allows for more targeted screening and earlier detection of breast cancer. QView Medical is committed to providing the most advanced breast imaging solutions to help healthcare providers make more informed decisions and improve patient outcomes.

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Smart Reporting GmbH  
BOOTH 7367B  
Digital Health Solution for Medical Reporting

The Smart Radiology platform is a digital health solution for structured medical reporting offered by Smart Reporting. Current free-text reports pose severe problems to quality, reproducibility, and efficiency in radiology. Smart Radiology is an intelligent software with an easy-to-use interface for radiologists to build high-quality structured reports by applying guideline-compliant criteria. Users enter relevant criteria into templates developed by leading radiologists, while the corresponding report text is generated simultaneously. Comprehensive and up-to-date medical background knowledge is also provided. All report data are stored in a highly granular database and can be fully analyzed, an ideal tool to establish AI and image analysis algorithms into the clinical workflow. The software can be seamlessly integrated into existing RIS/PACS systems and can be combined with speech recognition.

VIDA  
BOOTH 6065  
Transforming Healthcare In The Age of Intelligence

VIDA provides care with advanced pulmonary analytics. Powered by a unique combination of AI and quality-controlled image analysis services, VIDA’s solution provides insights aimed to improve patient outcomes, save healthcare costs, and increase physician efficiency across a range of lung diseases including cancer, emphysema, airway obstructive diseases, and asthma. VIDA’s software and services are cleared for clinical use in the United States, Canada, European Union, and Australia.

JVC Healthcare  
BOOTH 6723  
2MP and 3MP Color Diagnostic Displays

JVC presents the “i3 Series” CL-S200 and CL-S300, further broadening the medical diagnostic imaging field. The 2MP and 3MP color displays offer new and exciting features including a sleek and stylish design with two-tone color, self-calibration and more consistent image quality. The new color management technology of the “i3 Series” features its unique X, Y, Z tracking and sophisticated color matching. Combined with the new calibration software QA Medivisor Agent, the JVC solutions make it easier to manage the day-to-day operations in the radiology department.

Kopp Development, Inc.  
BOOTH 1406  
Latest Innovation in MRI Safety

Kopp Development Inc., a manufacturer of ferromagnetic detectors for MRI safety, offers Fer-rAler™ Encompass, a system that automatically detects and logs unintended ferromagnetic objects entering Zone IV. It is the only system that provides a photographic stream and does not require manual logging, thus allowing the technologists to perform uninterrupted patient care without wasting time with self-reporting. The data analysis software allows effortless generation of reports for The JCAHO inspections. It also allows for the analysis of safety trends that can be shared throughout the entire hospital system.

Medic Vision-Imaging Solutions, Ltd.  
BOOTH 3744  
MRI Time Reduction

The new iQMR™ (intelligent Quick MR) is a machine learning-aided iterative image reconstruction software that allows significant reduction in MRI scan time. Medic Vision’s iQMR is an add-on, vendor-neutral system, cleared by the FDA. It enables the use of short MRI protocols by substantially increasing signal-to-noise ratio and quality of the acquired images, allowing enhanced image quality, increased productivity, fewer repeating scans and a better patient experience. iQMR is in routine use at numerous imaging centers across the U.S., providing scan time reduction on a variety of scanners ranging from older 0.7T to new 3T. Clinical studies performed at leading U.S. and...
international health institutes, have shown that qMRI enables over 30% reduction in MRI scan times, with no impairment of image quality nor clinical value.

LMT Medical Systems GmbH
BOOTH 4852
MRI Exams for Newborns and Babies

The MR Diagnostics Incubator System normally makes gentle and time-saving MRI examinations possible for newborns and premature babies. The nomag IC meets high neonatal requirements. Patients lie protected and comfortable in the incubator. The incubator features, in addition to temperature and humidity control, an independent MR-conditional gas and power supply. The incubator is also compatible with 1.5 and 3.0 T applicators from Siemens, GE and Philips. A range of additional products contributes to the optimal and efficient use of the MR Diagnostics Incubator System nomag IC. These include a 16-channel neonatal head array coil, a 12-channel neonatal body array coil, as well as MR-compatible ventilation.

Software/IT Services

Circle Cardiovascular Imaging
BOOTH 7956
A Single Solution for Cardiovascular Imaging

Circle Cardiovascular Imaging’s cvi® provides one solution for advanced post-processing for cardiac MR, cardiac CT and interventional cardiology. cvi® offers a single, customizable application to meet the needs of cardiologists, radiologists, interventional cardiologists and interventional radiologists. With over a decade of development focused on workflow optimization and innovation, cvi® is research tested and clinically proven and can help save time, increase patient throughput and increase diagnostic confidence.

PACS

INFINITT North America
BOOTH 2768
PACS Features and Functionality

INFINITT, a developed manufacturer of enterprise imaging solutions for health care, offers a RIS/PACS, cardiology suite, mammo PACS, 3D/advanced visualization tools and a vendor neutral archive (VNA) with enterprise viewer. The diagnostic viewer, designed for improved workflow management, decision support, visual history of prior exams, enterprise search capability, new AI platform and Digital Pathology Solution. The Digital Healthcare Platform (DHP), is a standards-based vendor neutral archive that manages DICOM and non-DICOM data on a powerful Oracle database.

INFINITT’s product line has expanded from a radiology-centric model to an enterprise imaging solution, providing seamless integration with all major EMRs and encompassing radiology, mammography, cardiology, dental, ophthalmology, pathology and advanced visualization on a single platform.

Radiography

Shimadzu Medical Systems
BOOTH 1332
Radiographic Table System

Shimadzu Medical Systems USA has launched a new radiographic table system: RADspeed fit, a general radiography table system. As the newest U.S. based product in the RADspeed series, the RADspeed fit with its integrated tube stand, offers a balance of functionality to support a wide range of general radi applications, such as chest, abdomen or extremities. The fit can perform emergency examinations while providing the same easy operability and extensive functionality for reducing exposure levels as developed for other products in the series. The system generator is integrated into the patient table making it ideal as a cost level digital radiography (DR) system. The RADspeed fit is equipped with a digital X-ray detector (FPD) and is appropriate for Urgent Care and clinical centers.

Ultrasound

Pausch LLC
BOOTH 1738
Integrated Elevated Table

Accogent Pausch presents its newest iteration of integrated elevated table, Combimax Mk 2. Intended to meet the needs of today modern imaging environment, Combimax Mk 2 offers intuitive controls and a sleek profile to help it blend into any room. Numerous features have been incorporated on the table platform improvements streamline system management, optimize user satisfaction and support standardized reporting.

OnView Medical Inc.
BOOTH 3572
AI System for Concurrent Reading of ABUS Exams

QVCAD, the first AI CAD system FDA-approved for concurrent reading of Automated Breast Ultrasound (ABUS) exams, reduces interpretation time of screening ABUS exams while maintaining diagnostic accuracy. The system utilizes deep learning algorithms to detect suspicious areas in the breast and highlights those areas for radiologists’ review. To improve reader productivity, QVCAD provides a C-thru image of all volumes in a single ABUS exam to provide an immediately visual overview of the case. Users may select any CAD mark or area of interest on the CAD Navigator image and the corresponding original ABUS images will be displayed, enabling users to efficiently review the entire ABUS exam.

SuperSonic Imagine
BOOTH 8139
Ultrasound Imaging

The Aixplorer MACH® 30 integrates the unique technological innovations, such as the SonicPad® and UltraFastTM to offer enhanced diagnostic performance. SuperSonic Imagine's new innovative imaging methods that streamline the clinical workflow and their extremely high speed (up to 2000 fps) of operation and their ability to handle clinically relevant X-ray fluxes (up to 109 events/mm²). In addition, they provide all necessary corrections for artefact-free imaging and enable spectral imaging to better separate different materials. In medical imaging, they can deliver better images at lower doses containing more information (tissue separation).

Medicatech USA
BOOTH 3275
X-Ray System

Medicatech offers the American-made, fully automated, fully integrated X-ray system for both medical and veterinarian practitioners. These floor mounted systems offer: 900 lb. capacity elevating table, full motion column, elevating and rotating table base, integrated leaded chest stand, touch screen controlled and a fully integrated software for automated control, data handling and cross platform connectivity. Medicheck also offers Voyage, a DR acquisition software and Mini PACS. System is FDA pending and each item can be easily integrated with pre-existing systems.

Teledyne DALSA
BOOTH 3965
CMOS X-Ray Technology

Teledyne DALSA’s advanced CMOS X-ray detectors offer lag-free, real time imaging at reduced dose levels. High-temperature stability, high reliability, high speed data transfer and improved readout and improves clinical workflow because of fewer system calibrations – reducing downtime and delivering cost savings. The xenon family offers a portfolio of CMOS flat detectors for diagnostic and interventional imaging like breast tomosynthesis, orthopedics, vascular and cardiology surgery. X-ray flat detectors enable earlier diagnosis of medical anomalies, increasing the opportunity for early intervention, patient recovery and reduced treatment costs.

Technical Exhibition Booth Key

South Hall A
Booths 1000 – 9999
North Hall B
Booths 8000 – 8999
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We’re looking for radiology thought leaders to provide:

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The RSNA Trainee Research Prize: $1,000
Up to 48 medical students, residents or fellows who submit expanded abstracts of their 2018 RSNA scientific presentation may receive a $1,000 prize and certificate.

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• Get free online materials for your patients at radiologyinfo.org
• Access RSNA radiation dose exhibits
• Visit imagegently.org for pediatric information

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ASRT Booth 1529, South Hall A

*Approved for AMA PRA Category 1 Credits™, Category A Credit and CAMPEP Credit

Learn more at imagewisely.org