

Technical Exhibits Focus

Building a Strong Future for Radiology

RSNA Showcases Innovation in the Technical Exhibits Halls

By Michael Hart

Many of today's scientific advancements in the field of medicine get their start in radiology.

"Research and development in radiology will continue to transform and revolutionize medicine through better and faster disease detection, diagnosis and treatment," said John Renz, MD, RSNA Technical Exhibits Committee chair. "So much of what is changing and improving patient care and healthcare is a result of the tremendous advances in imaging."

From precision imaging and Easy PACS to 3-D viewing, cloud technology and machine learning, radiology is indeed at the forefront of technology and innovation in medicine.

These observations are mirrored in some of the newest elements on display at this week's RSNA annual meeting.

The goal of the Technical Exhibits Committee, according to Dr. Renz, has been to bring these emerging technologies into focus and to highlight the current and future impact on radiology and medicine.

"Ultimately, through these evolving technologies, physicians will find the needed tools to deliver earlier diagnosis and better treatment for patients," Dr. Renz said.



Renz

The new Machine Learning Showcase invites attendees to learn about the latest machine learning (ML) technology and network with companies on the forefront of ML advancements.

It only made sense, the committee determined, to make it easy for meeting attendees to find everything involved with this cutting-edge work in one place on the exhibit floor.

The howcase features a Machine Learning Theater where companies will make presentations of their products daily between 11 a.m. and 2 p.m. A complete schedule of presentations is available at Meeting.RSNA.org.

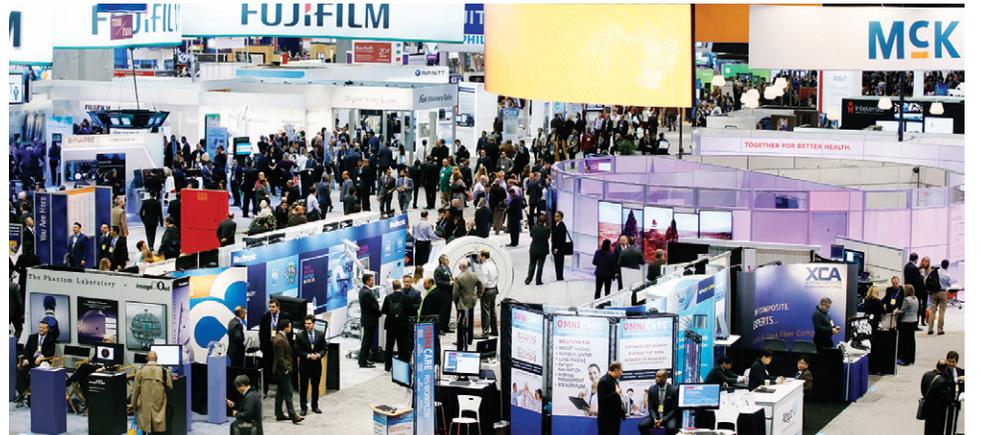
Also on exhibit in the Showcase are submissions to the Machine Learning Challenge. Since early August, 250 participants in 29 teams from around the world have been working with fast-emerging artificial intelligence technologies to demonstrate how these new tools can be used to improve patient care.

The Challenge, launched by the RSNA Radiology Informatics Committee, addresses a familiar image analysis for pediatric radiologists: Assessing bone age using hand radiographs. The teams created algorithms to make bone age evaluations based on a data set of radiographs from Stanford Children's Hospital, Colorado Children's Hospital and the University of California, Los Angeles. Their work was then compared to evaluations made by expert observers. The three most successful teams were recognized on Monday, and results are published in both the Machine

Learning Showcase and the Machine Learning Community in the Learning Center.

Also new to the Technical Exhibits is the Start-up Showcase, in which 14 emerging companies that are bringing

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see know

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Radiological Society
of North America

3-D PRINTING & IMAGE PRINTING SYSTEMS**Materialise**

BOOTH 7932

Materialise Mimics inPrint

3-D printed anatomical models are the newest components of a multidisciplinary clinical team.

The models enhance visualization, improve patient communication and educate through a tangible representation of the anatomy. Mimics inPrint* is a dedicated software solution to create accurate virtual anatomical models based on medical images and to prepare files for 3-D printing. Integrated in clinical environments, it holds fast and efficient 3-D printing workflows with a direct link to 3-D printing as a service or in-house. By working with Materialise software, you can rely on the 3-D printing experts that will support you in establishing a robust 3-D printing program.

* The 3-D printed anatomical models for diagnostic use created with MIS/Mimics are not commercially available in the U.S.

ADVANCED VISUALIZATION**Konica Minolta Healthcare Americas, Inc.**

BOOTH 1919

Image Processing Algorithm

REALISM™ is Konica Minolta's revolutionary image processing algorithm that delivers "ready-to-read" images to improve productivity, aid diagnosis and enhance patient care. REALISM takes hybrid processing to a new level by enhancing both soft tissue and overlapping bone structures – without post processing – to reveal subtle details in even the most difficult anatomy.

REALISM also unleashes the power of the new 100 micron resolution AeroDR HD detector. The combination of REALISM's advanced algorithms and the detector's superior dose efficiency provide an unparalleled solution for the most demanding imaging needs.

BIOPSY**Focal Healthcare Inc.**

BOOTH 7161F

Prostate Diagnosis

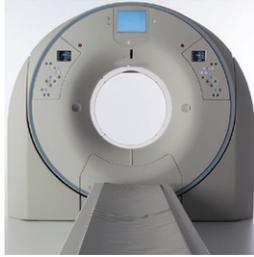
Focal Healthcare believes that prostate diagnosis and therapy deserve a targeted approach. We strive to improve targeted procedures with better MRI/ultrasound fusion technology. Building upon Focal Healthcare's existing fusion platform, Fusion MR Pro is the newest prostate radiology software. Fusion MR Pro is a feature-rich package for prostate interpretation and reporting as well as contouring for targeted procedures. Fusion MR Pro allows clinicians the flexibility to view all forms of mpMRI simultaneously, it can generate DCE pharmacokinetic maps, ADC maps, and extrapolated B-values with ease and efficiency. Our interactive reporting allows radiologists to run through the PI-RADS workflow in a matter of seconds. (Fusion MR Pro has not been FDA-cleared.)

COMPUTED TOMOGRAPHY**Toshiba Medical Systems**

BOOTH 7330

Fast, Low-Dose E.D. Imaging and Neuro MBIR

Enabling fast and safe CT imaging, Toshiba Medical, a Canon Group Company, is introducing enhancements to the Aquilion™ ONE GENESIS



Edition. The upgraded premium CT system offers Toshiba Medical's FIRST (MBIR) capability for low contrast detectability in the brain, while opening doors to help clinicians possibly see early signs of stroke with CT. The system improves workflow for advanced CTA scans while possibly reducing IV contrast and radiation dose with three phase Variable Helical Pitch (vHP3), which automatically changes from an ECG-gated to a non-ECG-gated acquisition during a single helical scan. The system features an optimized beam spectrum based on PUREVISION Optics, with PUREVISION CT Detector and FIRST (MBIR) reconstruction, offering superior image detail, resolution and up to 82.4 percent* dose reduction. Quick scans are possible with SUREPosition, which centers the patient without manual adjustments.

* PUREVISION Optics with FIRST body mode

CONSULTING SERVICES**Dream, Think, Imagine Inc.**

BOOTH 3378

Creative Environments for Healthcare Settings

We are a global company specializing in creating unique, thoughtfully inspired environments within healthcare settings, immersing patients, and family members in a positive experience, and changing the healthcare delivery model. These creative environments improve patient satisfaction scores, increase referrals, decrease procedural sedation and improve employee retention while delivering efficiencies and cost savings. We are passionate about the work we do and are committed to creating unique spaces that inspire healing.

Our offices in Asheville, NC staff sculptors, painters, builders, designers, and lots of creative minds. Our European division is in The Netherlands and services international clients. Dream Think Imagine has completed over 150 projects in 11 countries and has earned numerous awards in its 15 plus years in business.

Fraunhofer MEVIS

BOOTH 2565D

A Partner for Innovation in Medical Imaging

The German Fraunhofer Gesellschaft is the largest organization for application-oriented research in Europe. Non-profit Fraunhofer Institute helps to reinforce the competitive strength of the economy by developing technological innovations and novel systems solutions.

In close cooperation with clinical experts, we develop solutions used for early detection, diagnosis, therapy planning, interventional guidance and follow-up. We offer a wide range of services, from consultancy, feasibility analysis, contract

research, prototyping to quality-assured product delivery.

Meet the Fraunhofer Institute for Medical Image Computing MEVIS at the "Made in Germany" pavilion in Hall A.

Image Gently Alliance

BOOTH 1014

Image Gently for Pediatric Imaging

The Image Gently® Alliance is a coalition of healthcare organizations dedicated to providing safe, high quality pediatric imaging worldwide. The primary objective of the alliance is to raise awareness in the imaging community of the need to adjust radiation dose when imaging children. The ultimate goal of the alliance is to change practice. The organization has developed a transformative group of campaigns to address digital radiography, fluoroscopy, interventional radiology, nuclear medicine, computed tomography, dentistry, cardiac imaging and imaging in the setting of minor head trauma. Image Gently, the first in a now worldwide network of campaign partners, has become a recognized presence at both national and international venues.

EDUCATIONAL PRODUCTS AND SERVICES**The Holvan Group**

BOOTH 6150

Patient Engagement Tools

The Holvan Group creates an unparalleled healthcare experience for patients and dramatically increases provider satisfaction through patient engagement, streamlining the patient preparation process and by offering customized interaction between patients and healthcare providers.

We offer a robust library of high quality patient education videos for radiology. These videos explain complex medical procedures in a simple, easy to understand format. We improve communication and facilitate interactions between patients and their healthcare providers by creating patient communication apps branded for groups or facilities. The Physician On-Call App simplifies communication between healthcare workers on call. The app manages who is on call and ensures the proper physician is always contacted.

We can help educate and empower patients, achieve the best possible patient outcomes, reduce the cost of care and increase professional satisfaction.

ELECTRONIC HEALTH RECORDS**National Decision Support Company LLC**

BOOTH 1134

Leverage the Power of Care-Select™ Imaging

CareSelect™ Imaging expands on National Decision Support Company's (NDSC) foundational ACR Select™ solution to deliver a comprehensive range of Appropriate Use Criteria (AUC) for diagnostic imaging in both adult and pediatric patient populations. CareSelect Imaging is a qualified Clinical Decision Support Mechanism for use in compliance with the requirements of the protecting Access to Medicare Act of 2014. Version 14 delivers AUC sourced from medical multiple qualified provider-led entities including the American College of Radiology, the American College of Cardiology, the National Comprehensive Cancer Network® and the Society of Nuclear Medicine and Molecular Imaging with additional AUC from the Society for Pediatric Radiology. NDSC is also introducing capabilities that enable sites with advanced imaging services to generate the necessary evidence of consultation for a payable technical and professional claim.

ENTERPRISE IMAGING**AI Visualize, Inc.**

BOOTH 8367

Patented Enterprise Imaging Artificial Intelligence Cloud

AI Visualize, Inc. will debut its innovative enterprise imaging technology at RSNA 2017. Recently, the company was granted patents for its artificial intelligence cloud visualization platform in the U.S., Europe and Japan, comprehensively covering all medical imaging datasets. This includes x-ray, US, CT, MRI, 3D Tomo and digital pathology. The vision is to assist radiology-interpretations, by providing intuitive and interactive views to users, while heightening diagnosis confidence using machine learning. The platform uses virtual views to deliver diagnostic viewing without transmitting large data to end users. Bandwidth and latency limitations of the internet are overcome by using predictive buffering. Evolution and deep learning algorithms uncover valuable information that are hidden in the vast amount of data collected to reduce misdiagnosis. Off-the-shelf supercomputing infrastructure allows it to be scalable and affordable. The

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Your All-in-One Meeting Guide

Program Guide



My Agenda



Exhibitor List



Credit Eval

Meeting.RSNA.org

RSNA® 2017
Explore. Invent. Transform.

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patented platform fosters innovation by others, to bring the “best of breed” solutions to radiology.

Ambra Health

BOOTH 1122

Software-as-a-Service

The Ambra Health Suite is a comprehensive software-as-a-service application that serves as the backbone of innovation and progress for Ambra’s customers’ care networks. Every day, large hospital systems, medical groups, imaging centers, clinical research organizations and health information exchanges rely on Ambra with confidence to significantly improve medical image management processes like image exchange, scalable cloud storage for growing image databases and universal viewing. Ambra makes medical images and data easily accessible to all, from anywhere, on any device, in real time for leading healthcare providers such as Stanford Children’s Health, Memorial Hermann, Jefferson Radiology and CareWell Urgent Care.

Flexible, scalable and highly interoperable, the Ambra cloud-based platform can be integrated with leading EHR/EMR systems and deployed with uncommon agility and speed to deliver intuitive solutions. Ambra makes receiving images easy, from anywhere, so you can grow geographic reach, increase qualified second opinion candidates and create a unique competitive advantage.

Intelrad Medical Systems

BOOTH 8113

Workflow Intelligence

To supercharge productivity, Intelrad combines human experience with machine



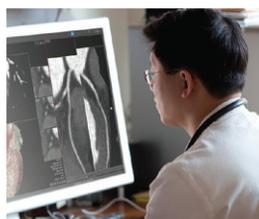
automation to create intelligent solutions that optimize workflow and improve the speed, accuracy and quality of diagnosis. Intelrad’s Assignment Engine automatically distributes pending cases to the most suitable radiologist. Once a radiologist selects a case from their worklist, it is launched in Intelrad’s intuitive diagnostic viewer, IntelViewer™. A web-based solution, IntelViewer features SmartLayouts™, a next-generation layout management tool, as well as tools that automatically align data points across studies and modalities for more efficient and accurate reporting. Once the report is marked as complete, IntelConnect® EV automatically sends the images and report to the referring physician.

Vital

BOOTH 7323

Efficient Workflow – Diagnostic Confidence – Expedited Outcomes

Vitreia Advanced Visualization v7 from Vital Images®* elevates the reading experience with high-powered diagnostic workflows specifically optimized to improve throughput for high-impact diseases. The new application-based platform delivers a cohesive user interface across all modalities and all deployments. With its intuitive design and superior integrated partner applications, Vitrea software facilitates improved clinical workflows across all



departments. In addition, many new application-specific enhancements have been added to the product.

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FURNITURE

MedCaster

BOOTH 6446

Nylon Casters

MedCaster’s new Avant elevates nylon casters to soaring levels of quietness, immensely efficient ergonomics and ultra-precision. Using the QuikStart wheel, Avant features a sealed precision raceway to bring smooth and effortless directional changes. Labyrinth seals and integrated thread guards keep the innovative caster clean and safe. The Avant series includes a total lock brake, securing both swivel and wheel rotation and a direction lock brake, which halts only swivel rotation to efficiently boost mobility and guarantee controlled steering. The caster’s total lock brake engages the edges of the wheel, thereby reducing operational noise linked to tread wear.



INFORMATION SYSTEMS (RIS & HIS)

Integrated Modular Systems Inc.

BOOTH 1601

Web-Based RIS

The imsiRIS™ is a full featured web-based RIS capable of managing imaging departments of any size and complexity. imsiRIS is offered as an affordable subscription service hosted within the imsiCloud™, installed on premise to your data center, or hosted in your own cloud.

The imsiRIS boasts a robust interoperable data platform with innovative customizable workflow and over 35 years of medical imaging software development experience to provide an efficient, fully functional and scalable web-based RIS solution.

imsiRIS™ is 100 percent USA made and supported, web-based and compatible with any browser or device. imsiRIS integrates with any EMR, PACS or clinical system to provide complete imaging department workflow from order to report and more.

MACHINE LEARNING/COMPUTER-AIDED DIAGNOSIS SYSTEMS

Blackford Analysis

BOOTH 2303

Integrated, Image-Processing Platform

Blackford’s platform provides centralized deployment and management of AI and intelligent image processing capabilities across the healthcare enterprise. The integrated, image-processing platform can be easily managed by an IT department to provide clinical staff with study comparison tools, visualization applications, and clinical workflow tools. The platform provides fast access to Blackford’s automated image registration and enables a wide range of automated processing solutions from Blackford and its alliance partners that automatically extract actionable information from medical images to improve efficiency and productivity in healthcare and are quickly deployed through any PACS or image viewer. By automating workflows and providing standardized results, Blackford provides fast, unified

access to solutions that help healthcare professionals improve diagnostic confidence and patient outcomes.

Kheiron Medical Technologies Ltd.

BOOTH 8047/8057

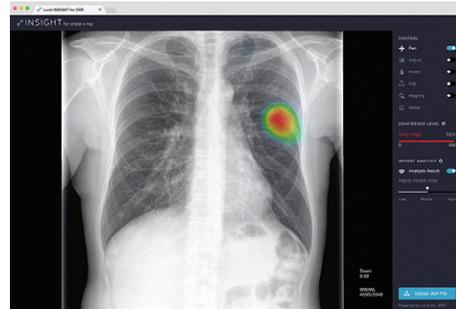
Process and Automatically Analyze Digital Mammography Images

Mammo1 is a software intended for aiding radiologists’ reading digital mammograms and screening mammography quality control. It is a proprietary software application designed to process and automatically analyze digital mammography images. The software integrates with standard PACS systems and seamlessly fits with the standard radiology workflow. It performs malignancy detection with great accuracy, minimizing the burden of false positives.

Lunit Inc.

BOOTH 8164

The First Deep Learning Cloud for X-rays



Lunit has been actively contributing to AI-powered radiology and will be presenting eight scientific abstracts about data-driven imaging biomarker(DIB) at RSNA. This year, for the first time, Lunit is showcasing Lunit INSIGHT, a cloud-based imaging AI platform that is publicly available. Currently, the platform delivers Lunit’s state-of-the-art AI models for abnormality detection in chest x-ray and mammography. Users are allowed to upload their medical images and receive AI analysis results in a couple of seconds. The analysis results include not only the level of abnormality but also the visualization of the AI’s attention map. The AI’s are trained by a huge collection of de-identified clinical data from Lunit’s partner hospitals, thus they exhibit an unprecedented level of accuracy. Lunit also provides the same AI models to third parties that develop PACS, RIS and image sharing products.

RADLogics

BOOTH 8146

Software Analytics Platform



RADLogics, headquartered in Silicon-Valley has developed a FDA-cleared software analytics platform for the medical imaging market that creates a “Virtual Radiology Resident.” This medical imaging analysis solution uses machine learning technology that runs multiple algorithms that read and analyze imaging scans, substantially improving radiologists’ reading productivity by up to 50 percent, while increasing the quality and accuracy of findings reporting.

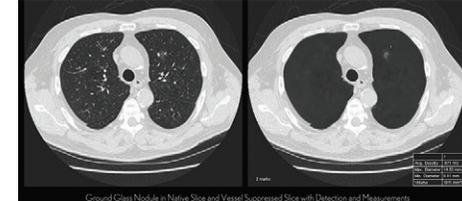
The company’s automatic analytical results are generated within a few minutes after the end of a CT, MRI or x-ray scan, as a draft report that includes findings, identification of

key images and quantitative measurements that are provided to the radiologist reporting system at the customer’s reading site within existing PACS and reporting systems.

Riverain Technologies

BOOTH 3710

Chest CT Software



Riverain Technologies’ ClearRead CT software is changing the way institutions read chest CT, allowing faster and more accurate reads. ClearRead CT is the only FDA-cleared lung nodule detection and characterization application supporting concurrent reading and detection and characterization of solid, sub-solid and ground glass nodules. Powered by deep learning, Riverain’s patent pending vessel suppression technology removes distracting vascular structures. In a pivotal multi-reader, multi-case reader study, ClearRead CT demonstrated clinicians read 26 percent faster and reduce missed nodules by 29 percent. ClearRead CT supports all CT manufacturers along with diverse acquisition protocols, including contrast and non-contrast exams. Riverain’s image normalization technology and scalable software architecture supports rapid installations and enterprise wide imaging.

MONITORS/VIEWING SYSTEMS

IMAGE Information Systems

Europe GmbH

BOOTH 3151

New DICOM-Calibrated Portable Radiology Workstation

IMAGE Information Systems is proud to present the new version of the world’s first DICOM-calibrated portable radiology workstation: the MED-TAB™ version 2. It is 33 percent thinner and 25 percent lighter. It is 100 percent faster and 40 percent brighter. Sensitive to changing lifestyles and ever more varied and demanding clinical priorities, MED-TAB v.2 is designed to maximize the advantages presented by “zero-footprint” (HTML5) universal viewers as well as integrate with PACS in conventional client-server configurations. MED-TAB v.2* is the only complete portable solution guaranteed to offer the medical imaging professional the security and convenience of standards-compliant diagnostic reading anywhere, any time.



*FDA certification pending

MRI

Elekta

BOOTH 4775

A New Paradigm in Cancer Treatment

Elekta’s development* in Magnetic Resonance Radiation Therapy (MR/RT) takes precision radiation dose delivery to a new level. It is the integration of high-field MR imaging and linear accelerator



technology in a single platform, allowing radiologists to see and track difficult-to-visualize soft tissue anatomies while radiation dose is being delivered. Tumors and surrounding tissue can be precisely located, their movement tracked and treatment adapted in real-time in response to changes in tumor position, shape, biology and spatial relationship to critical organs at the time of treatment. For the first time, radiologists can see precisely what to target and what to avoid while during treatment. This offers the potential to reduce treatment margins, deliver higher doses and truly personalize treatments.

**Elekta MR-linac is a work in progress and not available for sale or distribution.*

KinetiCor Inc.

BOOTH 1245

Correct for Motion in Real-Time

KinetiCor provides advanced motion correction enabling remarkably accurate scans, with correction for motion as slight as normal breathing.

All existing MRI examinations are compromised by patient movements, despite continuous advances in image quality and acquisition speed. Often patients most needing a quality MR are unable to obtain a clear scan. KinetiCor's technology addresses this issue head-on by maximizing diagnostic performance and providing razor sharp images with every single scan.

KinetiCor's technology corrects for motion in real-time using quad camera design for unparalleled, consistent tracking. Its ultra-low profile industrial design allows for real-time, in-bore patient monitoring. Applicable to all pulse sequences, KinetiCor technology is currently available on Siemens scanners running VE11c via WIP and available on other Siemens scanners via C2P.

KinetiCor technology minimizes the potential for misdiagnosis and reduces or eliminates the need for sedation in pediatrics or patients with certain neurological disorders.

NORAS MRI Products GmbH

BOOTH 1747

Variety 16-Channel Multipurpose Coil

The Variety Coil is a 16-channel multipurpose flex coil developed to contour closely to anatomy, particularly for MR exams that can be challenging. Many musculoskeletal exams prove difficult



due to patient size, anatomy contour and patient comfort during image acquisition. The soft, comfortable, flexible set-up and exceptional SNR of the Variety provides reproducible, high quality MSK imaging for routine exams. NORAS MRI Products has developed specially positioning aids for each MSK application. The product's advantages at a glance include high signal quality based on 8+8 array, high density elements design and unique pancake coil set features always place the coil close to the anatomy of interest. It also includes high-resolution exam of small FOV body regions with reduced scan times and high-speed image acquisition allowing parallel imaging in all planes. Flexible coil material and positioning enables motion studies

of joints, while optional dedicated positioning aids for orthopedic and pediatric applications for a quick and easy set-up.

The Phantom Laboratory/ Image Owl

BOOTH 7107

Measuring Advanced CT Performance

The Phantom Laboratory continues to lead in providing tools for measuring advanced CT performance. The ATCM Phantom, developed in cooperation with researchers from the Karolinska Institute, assists in characterizing ATCM performance.



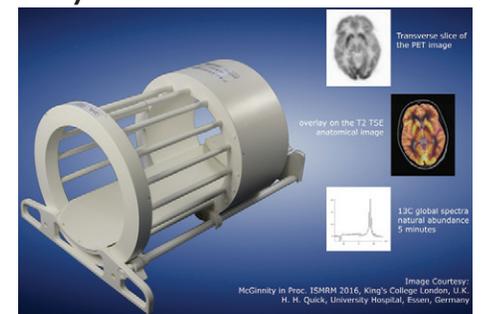
The phantom is cast in a single piece of Catphan® Uniformity Material allowing the signal noise to be measured in three different sized oval sections to demonstrate how well the ATCM compensates for variations in torso sizes, transitions, and variations in patient alignment.

The phantom is designed to be scanned with a projection radiograph (SPR) used by ATCM algorithms to estimate patient attenuation. Various scan parameters or phantom repositioning may be applied to assess the effects of changing parameters or patient positioning errors. The CT image set can be assessed against reference scans to calculate the normalized root mean square error of tube current curves and to provide a visual evaluation of tube current fluctuation curves and image noise.

RAPID MR International

BOOTH 3137

PET/MR



Integrated PET/MR is clearly emerging into clinical routine. This raises a demand for PET compatible RF coils that do not compromise the MR image. RAPID Biomedical

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VISIT THE RSNA SHOP

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of North America

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has used its RF expertise to develop coils* dedicated to this application.

*Investigational Device. Limited by U.S. law to investigational use.

PACS

Avreo Inc.

BOOTH 6513

Disaster Recovery

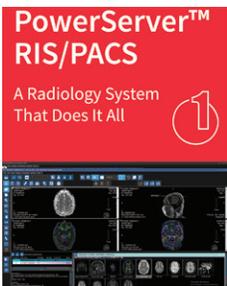
While disaster often conjures images of fire and flood, disaster to critical healthcare data or systems may be as simple as a failed internet connection. Leverage the power of the internet and the Cloud with Avreo's suite of solutions to ensure high availability of your valuable healthcare systems and data without maintaining a vast onsite infrastructure. While high availability is typically a costly, complicated solution available only to organizations with large IT departments, Avreo's high availability IoMT appliance technology boasts real-time replication, Ransomware protection and local and cloud restoration. DICOM Cloud storage virtualizes your data center to the cloud, offering self-expanding storage and fast retrieval minimizing the need for complete onsite storage. These pay-as-you-go products are available separately as add-ons to your existing healthcare systems or can be added to Avreo's interWORKS RIS/PACS.

RamSoft, Inc.

BOOTH 2707

PowerServer™ RIS/PACS

RamSoft will showcase their most innovative version of PowerServer™ RIS/PACS yet. This 100 percent web-based, single database application is intuitive and straightforward. Its feature-rich workflow engine provides all functions traditionally found in different RIS, PACS, radiology EMR, Physician Portals, reporting modules and analytics software – all in one product.



PowerServer interface increases productivity and automates tasks. It also comes equipped with RapidResults™, a clinical image and report viewer app that allows direct messaging between internal and external healthcare providers. On top of that, its new Peer Review module, which integrates with ACR's RADPEER program, will enable radiologists to review their colleagues with a few clicks. Also, a new integration with Availity Patient Access and Authorizations (only available in the U.S.) automates authorization and upfront patient collections.

Building a Strong Future

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new innovations to the market for the first time are spotlighted.

In fact, of the nearly 700 technical exhibits on display at the RSNA annual meeting, 140 will be first-time exhibitors and many will be newer companies.

Meeting attendees are invited to explore the Technical Exhibits Halls this week and discover new exhibitors as well as new technologies in medical imaging.

"It is truly remarkable how much progress and advancement has occurred in this area during the past year since our last meeting," Dr. Renz said.

Meeting attendees will find the Machine Learning Showcase in the North Hall B, Booth 8149. The Start-up Showcase is located in the North Hall B, Booth 6455.

PET

ONCOVISION Inc.

BOOTH 6441

Dedicated Breast PET



Mammi is a dedicated breast PET with a clinical resolution of 1.6 mm, capable of visualizing tumors down to 2 mm, essential in early breast cancer detection. Mammi provides definition and characterization of lesions, capable of detecting the active areas of heterogeneous tumors and its limits. Mammi is ideal for surgical planning and follow-up of early response monitoring during neoadjuvant treatments. Mammi's double ring improves resolution and sensitivity over other techniques, providing faster image acquisition to optimize procedural time. The high-resolution images provide an accurate diagnosis in complex cases, reducing false negative cases.

QUALITY ASSURANCE/SAFETY CONTROL

Acumyn Inc.

BOOTH 7161

Unify Medical Device Quality Assurance Activities

AQUA™ Radiology is a platform that unifies all medical device quality assurance activities in one web-based software. It is a comprehensive, vendor-neutral software built by physicists for physicists. AQUA Radiology automatically performs ACR-compliant image-based tests for CT and MR scanners, regardless of the vendor, saving time and effort on daily, monthly and annual quality assurance tests. With built-in scripting and easy-to-use interface, any modality or equipment may be added to suit the needs of your quality assurance program. AQUA Radiology's mobile-friendly dashboard displays machine statuses in real time. Built-in ACR compliant tests and custom-developed tests can be assigned to multiple user groups within minutes through AQUA Radiology's compliance tool. Developed to give clinics an automated, efficient and scalable solution to device quality assurance, AQUA Radiology is empowering confidence in care with an effortless solution.

RADIOGRAPHY

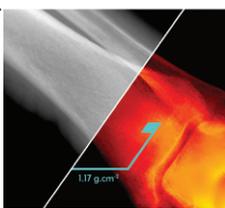
IBEX Innovations Ltd.

BOOTH 6557

IBEX – Gridless Scatter Removal

IBEX MAP technology delivers the benefits of multispectral imaging with none of the cost or complexity. A single clinical exposure from IBEX-equipped DR systems generates bone mineral density values and improved diagnostic images from the unique materials-guided scatter correction tool. IBEX technology is equally at home in CBCT systems to deliver improved reconstructions and composition information to the same accuracy as dual energy methods. The IBEX technology is a simple upgrade

BONE MINERAL DENSITY FROM EVERY DR SCAN



to any DR or CBCT system, requiring no change to the x-ray source, detector or system geometry.

X-RAY

Del Medical

BOOTH 1929

Ceiling Mounted Tube Crane



Del Medical's OTC15-T ceiling mounted tube crane highlights an advanced, technologist-friendly touchscreen console providing seamless operation of radiographic systems by displaying tube angulation and SID values. Color-coded movement identification buttons provide optimal precision when setting up views. Effortless movements are controlled by an electromagnetic braking system enabling fast and secure readjustments of the tube head. The five-tier telescoping column delivers exceptional vertical movement of 71" (180 cm), allowing for complete head-to-toe radiographic procedures including upright weight bearing table top exams.

Qioptia Phontonics

BOOTH 2765

Camera Lens System for Mobile X-Ray C-Arms

Qioptiq, an Excelitas Technologies® Company introduces its SlimLine Camera Lens System for mobile X-ray C-arm medical imaging devices. As the first 1K x 1K complementary metal-oxide-semiconductor (CMOS) camera available for this market, the new compact, ready-to-use SlimLine lens system offers high-resolution x-ray images in real time at an affordable price. The design-to-cost OEM product consists of the SlimLine lens assembly and a QioCam x-ray camera to deliver a high-performance combination of optics (lens elements), mechanics (housing, flange), and electronics (motor control board for Iris communication). The SlimLine lens assembly can be used with all 9" and 12" image intensifiers, and the camera is equipped with special functions including automatic gain control, gamma correction, frame on demand and more. The motion control board for Iris communication works with different interfaces such as GigE and SPI.



SOFTWARE/IT SERVICES

TomoVision

BOOTH 8513

Baby SliceO

Experience your 3-D ultrasound volumes in virtual reality. Just drag and drop the file exported from your ultrasound system on our software, put on the VR goggles and interact with the 3-D volume in real-time.



Grab the volume with your hands and look at it from any direction. You can also edit the data with 3-D brushes directly in VR to create models that can be sent to any 3-D printer. Baby SliceO is directly compatible with the volume files created by most ultrasound systems. Unlock the full potential of your 3-D ultrasound scanner by adding VR to the experience. Don't just give a small print as a souvenir to expectant parents; offer them a VR encounter with their baby.

THERAPEUTIC RADIOLOGY

Wolf X-Ray Corp.

BOOTH 1400

Sterile, Non-Toxic Permanent Ink

SteriTatt is a single-use device that contains sterile, non-toxic, permanent ink. Each SteriTatt device contains low-allergy ink that is safety-sealed and gamma irradiated, guaranteeing sterility. SteriTatt's pen-like design offers ease and comfort of use and helps standardize the methods therapists employ to administer tattoos. Technicians highly rate SteriTatt's convenient and flexible design – ink can be applied to a prepared site or a hypodermic needle can be attached to the SteriTatt unit so ink can be placed under the skin. SteriTatt offers black and pink ink. Different ink colors can be used to identify different areas of treatment or differentiate new areas from previous treatment sites. The markings made are permanent and are very small. The SteriTatt tattoo enables providers to align the treatment field precisely, every day of the treatment to ensure that radiation is delivered to exactly the same area each time.



ULTRASOUND

Delphinus Medical Technologies Inc.

BOOTH 3353

Breast Ultrasound Technology



At Delphinus Medical Technologies, Inc., our singular focus is to transform the early detection of breast cancer with the breakthrough SoftVue™ imaging technology, particularly where it is most challenging, in dense breasts. The SoftVue 3-D whole breast ultrasound system incorporates unparalleled imaging backed by proprietary technology. The system features a circular ultrasound transducer that captures not only reflected echoes, but also quantifies transmission signals passing through the tissue. No other ultrasound system, currently available, has accomplished this level of sophistication medical imaging. Accompanying the revolutionary imaging technology is an aesthetic profile designed to create a pleasant and appealing breast imaging experience for women. SoftVue has received two 510(k) clearances from the FDA for diagnostic breast ultrasound imaging and is not intended for use as a replacement for screening mammography.

The information for these new products and services was provided by the manufacturers. Inclusion in this publication should not be construed as a product endorsement by RSNA.

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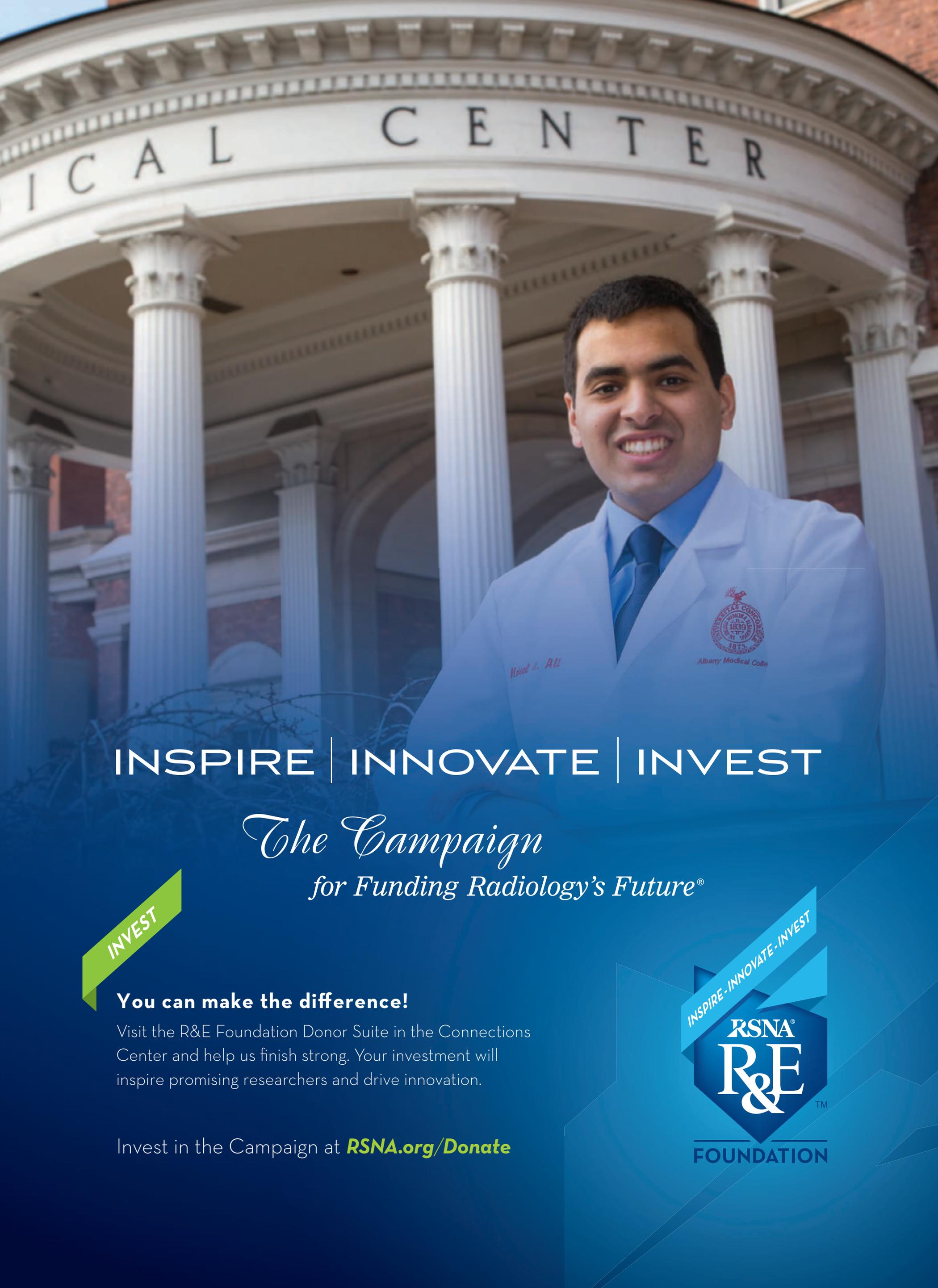


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