Welcome to RSNA 2021

I am delighted to join so many of my colleagues again in Chicago as we “Redefine Radiology.” Now that we can again meet safely in person, I believe we all are excited to take in everything that RSNA 2021 has to offer.

Like so many aspects of our personal and professional lives today, planning for RSNA 2021 was much different than past meetings. While RSNA always prioritizes the health and safety of our attendees seriously, the protocols we’ve instituted this year are more extensive and comprehensive than ever before. With the institution of vaccinations and masking requirements, we look forward to the healthiest and safest meeting we’ve ever hosted. RSNA 2021 is an especially important week in radiology.

We have an amazing program in place for you to learn about new research and innovations in medical imaging, to enhance and refresh your skills with a multitude of educational sessions and to network with your colleagues. I encourage you to attend the plenary sessions beginning on Sunday afternoon with my President’s Address, immediately followed by patient experience expert and author, James Merlino, MD. Additional thought-provoking talks by leaders and visionaries in our profession, including James Brink, MD, Michele Johnson, MD, Christine Porath, PhD, and Iris Gibbs, MD, will be featured throughout the week.

The COVID-19 pandemic cast a spotlight on health inequities throughout the world and the critical importance of diversity and inclusion. From its diverse lineup of presenters, faculty and awardees to a program brimming with DEI-focused sessions, courses and exhibits, RSNA 2021 will highlight the important diversity and health equity issues affecting our profession—and the care of our patients—and offer expert guidance and tools for attendees to foster DEI culture and initiatives in their practices.

RSNA 2021 will offer more than 50 scientific presentations, lectures, courses and exhibits on DEI throughout the week. Courses include “Moving Beyond the Gender Binary: Exploring the Gender Spectrum and Diversity in Patient Care, Education, and Research,” “Inclusion as a Key to Success of Diversity Efforts” and “Trailblazers in Health Equity: Lessons Learned & Leadership Opportunities to Advance Health Equity in Radiology and Beyond.” Many of the offerings will feature radiologists, educators and administrators to reflect on their own practices and improve diversity, equity and inclusion across all subspecialties of the medical imaging field. I encourage you to seek out these timely and critically important presentations and discussions.

The popular Fast 5 Session on Monday afternoon features five speakers taking five minutes each to present creative ideas and emerging possibilities. The innovative, non-clinical topics were selected by a popular vote. Follow the conversation at #RSNAPast5.

In the Technical Exhibit Halls, you can experience all the innovative products and services being demonstrated by nearly 500 exhibitors. Peruse exhibits onsite and visit our virtual exhibitors online to learn exciting new solutions available for your radiology practice.

Don’t miss the Imaging AI in Practice demo to learn how AI can be embedded into the diagnostic radiology workflow. The interactive exhibit will enable attendees to learn what is possible, identify the right questions to ask and learn how to introduce and scale AI into radiology practices.

The expansive AI Showcase also features industry programming, as well as the 2021 Challenge winners, highlighting their methods and results of the COVID-19 Detection Challenge and the Brain Tumor Segmentation Challenge.

RSNA 2021 offers an array of scientific and educational programming created specifically for residents and fellows. Highlighted by the annual RSNA Resident and Fellow Symposium, other sessions provide networking opportunities to help trainees expand their connections across the specialty.

There are far too many fantastic sessions and exhibits for me to highlight here, so visit Meeting Central (Meeting.RSNA.org) to plan your RSNA 2021 agenda. And throughout the week, stay tuned to Daily Bulletin and #RSNA21 for updates, highlights and reports on this impressive program.

It has been an honor to serve as your president this year and I look forward to seeing you around the halls of McCormick Place!

Mary C. Mahoney, MD
RSNA President

RSNA 2021 Program Dedicated to Gambhir and Bassett

The 107th Scientific Assembly and Annual Meeting Program is dedicated in memory of Sanjiv S. Gambhir, MD, PhD, and Lawrence W. Bassett, MD

RSNA 2021 Program Dedicated to Gambhir and Bassett

Dr. Gambhir was a highly distinguished physician-scientist whose methods in molecular imaging and in vitro diagnostics revolutionized early cancer detection and management strategies. Dr. Gambhir was the Virginia and D.K. Ludwig Professor in Cancer Research, chair of the Department of Radiology and director of the Molecular Imaging Program at Stanford.

Dr. Gambhir received RSNA’s 2019 Outstanding Researcher Award, delivered the 2010 RSNA New Horizons Lecture and the 2019 RSNA Annual Oration in Diagnostic Radiology.

Dr. Gambhir received several prestigious awards in the field of biomedical imaging, including the 2020 European Society of Molecular Imaging (ESMI) annual award, the Institute of Electrical and Electronics Engineers (IEEE) Marie Skłodowska-Curie Award, the Hounsfield Medal from the Imperial College of London, the Tesla Medal from the United Kingdom Royal College of Radiologists, and the George Charles de Hevesy Nuclear Pioneer Award from the Society of Nuclear Medicine.

Dr. Bassett was considered one of the founders of breast imaging, internationally known for his role in the development of the Mammography Quality Standards Act (MQSA) and his role as a founding member of the American College of Radiology (ACR) Committee for Standardized Mammmography Reporting, which developed the Breast Imaging Reporting and Data System (BI-RADS®). He was a professor emeritus of radiological sciences at the University of California, Los Angeles (UCLA).

Dr. Bassett received the Charles de Hevesy Nuclear Pioneer Award, the 2007 RSNA Annual Oration in Diagnostic Radiology. He received gold medal awards from the ACR and the Society of Breast Imaging (SBI). The American Board of Radiology presented him with its Distinguished Service Award and its Lifetime Service Award.
President’s Address
Mary C. Mahoney
4 - 5 p.m. | Arie Crown Theater

Redefining Radiology: The Road Ahead
Recently radiologists have had to rethink and reimagine everything — how we work and what really matters — and consider how to move forward with a mindset of collaboration, civility, inclusiveness and diversity.

Opening Plenary Session
James Merlino, MD
4 - 5 p.m. | Arie Crown Theater

Service Fanatics — How to Deliver Safe, High-Quality, Patient-Centric Care
Recognized as an expert in improving the patient experience, Dr. Merlino will discuss how radiologists can adapt his proven strategies to improve health care delivery at their own institutions.

RSNA will present awards, including Gold Medals, Honorary Membership and Outstanding Educator and Outstanding Researcher in a private luncheon on Monday.

Please note rooms will be cleared for 30 minutes between sessions for cleaning.

9 – 10 a.m.
Science and Education Sessions

9:45 a.m.
Gather for Technical Exhibits Ribbon Cutting Ceremony with Mary Mahoney, MD, RSNA president and Cheryl Petersilge, MD, chair, RSNA Technical Exhibits Committee

10 a.m.
Grand Concourse Entertainment

10 a.m. – 5 p.m.
Technical Exhibits Industry Presentations

10:30 - 11:30 a.m.
Science and Education Sessions

12:45 – 1:45 p.m.
Poster Discussions

Learning Center

1 – 2 p.m.
Science and Education Sessions

1 – 2 p.m.
Meet the RSNA Journal Editors: Christine (Cooky) O. Menias, MD, RadioGraphics
South Hall, Booth 1000

2 – 3 p.m.
Meet the RSNA Journal Editors: Sunhy Abbara, MD, Radiology: Cardiothoracic Imaging
South Hall, Booth 1000

2:30 – 3:30 p.m.
Science and Education Sessions

View the full program and add sessions to My Agenda at Meeting.RSNA.org.

November 15, 2021
Radiological Society of North America
820 Jorie Boulevard
Suite 200
Oak Brook, Illinois 60523

Greetings!

I am pleased to welcome everyone to the Radiological Society of North America’s (RSNA) 107th Scientific Assembly and Annual Meeting.

Illinois is the proud home and headquarters of RSNA, an organization that exemplifies excellence in the radiology field. RSNA’s work connects radiology professionals to new technology and resources, leading to advances in patient-centered care and professional development. Their Research and Education Foundation has also funded $70 million in grants, expanding access to radiology resources across the world and undoubtedly saving lives in the process.

I thank RSNA for all the incredible work you do for radiology and the healthcare industry. Healthcare professionals have kept this country on its feet throughout the pandemic, and for that, we should all be eternally grateful.

On behalf of the people of Illinois, I offer my best wishes for an enjoyable and memorable event.

Sincerely,

Governor JB Pritzker
Yoshimi Anzai, MD, MPH
A prolific leader, collaborator, and advocate for vulnerable patients, Yoshimi Anzai, MD, MPH, is a tenured professor of radiology, director of value and safety for integrated enterprise radiology, and serves as co-director of Women in Health, Medicine, & Science at the University of Utah (U of U) in Salt Lake City. Dr. Anzai is a neuroradiologist specializing in head and neck cancer, neurogenetic disease and traumatic brain injury, with expertise in health services and health economy research. She is also an adjunct professor of population health sciences and neurosurgery, serves on U of U’s academic senate and is a member of the school of medicine’s promotion committee.

As chair of RSNA’s Committee on Diversity, Equity and Inclusion (CDEI), she advocates for gender equality, promoting mentorship and allyship to empower women radiologists in medicine. In addition, she serves on the executive committee of U of U’s Gender-Based Violence Consortium, collaborating with broad disciplines of researchers, social workers and policymakers to mitigate the negative impact of gender-based violence.

Dr. Anzai is an elected member of the Association of American Medical Colleges (AAMC)’s Diagnostic Safety Committee, driving the national standard for diagnostic information communications. In 2017 and 2018, AAMC presented her with a Value Innovation Award to implement cost analytic tools for value-driven outcomes and a member of the school of medicine’s promotion committee.

Richard L. Ehman, MD
An innovative leader with a passion for reinventing technology, Richard L. Ehman, MD, is a professor of radiology and the Blanche R. and Richard J. Erlanger Professor of Medical Research at the Mayo Clinic in Rochester, MN.

Dr. Ehman is the inventor of MR elastography, and he holds more than 80 U.S. and international patents for the technologies he has developed — with a focus on rapid transition to clinical practice.

Throughout his career, he has advocated for rethinking the use of advanced medical imaging technologies, placing a focus on value, to extend the utility and accessibility of the most powerful techniques. Dr. Ehman brought this philosophy to his RSNA presidency, addressing the community at RSNA 2017 with the premise that innovations in radiology with extraordinary clinical impact have often been powered by a unique fusion of biomedical and physical sciences and a “use-inspired” research strategy.

Internationally recognized for his talent and vision, Dr. Ehman was elected to the U.S. National Academy of Medicine in 2010. He has served as chair of the National Institutes of Health Radiology and Nuclear Medicine Study Section, and as a member of the National Institute of Biomedical Imaging and Bioengineering Advisory Council. He is a past president of the Academy for Radiology and Biomedical Imaging, the International Society for Magnetic Resonance in Medicine and the Society for Advanced Body Imaging.

Dr. Ehman, a past RSNA Research Scholar Grant recipient, was a member of the RSNA R&E Foundation Board of Trustees. Dr. Ehman has been awarded gold medals by the International Society for Magnetic Resonance in Medicine, the Asian Oceanian Society of Radiology and the Society for Advanced Body Imaging. He is a fellow of the National Academy of Inventors and an honorary member of the European Society of Radiology, the Chinese Society of Radiology and the American Association of Physicists in Medicine. He was named RSNA Outstanding Researcher in 2006 and twice recognized as an RSNA Honored Educator.

Jonathan S. Lewin, MD
Jonathan S. Lewin, MD, has helped to revolutionize interventional and intraoperative MR imaging, and he is a renowned leader in academic medicine strategy and integrated health care delivery.

Dr. Lewin serves as executive vice president for health affairs at Emory University, executive director of the Woodruff Health Sciences Center, and CEO and chair of the board of directors at Emory Healthcare in Atlanta. He also holds professorships in radiology and imaging sciences and in biomedical engineering at the Emory School of Medicine and is a professor of health policy and management in the Rollins School of Public Health at Emory.

Dr. Lewin has held professor appointments in radiology, oncology, neurological surgery and interventional radiology at Case Western Reserve University in Cleveland, and in oncology, biomedical engineering, and neurosurgery at Johns Hopkins University School of Medicine in Baltimore.

Dr. Lewin holds 28 U.S. patents and seven international patents, and he has served as principal investigator or co-investigator on numerous NIH-funded and other major grant projects.

A recognized leader in organized radiology, Dr. Lewin is a past president of the American Roentgen Ray Society (ARRS), the Association of University Radiologists (AUR), the Society of Chairs of Academic Radiology Departments and the Academy for Radiology & Biomedical Imaging Research. National associations and his home state of Georgia hold Dr. Lewin in high regard, naming him one of Modern Healthcare’s 50 Most Influential Physicians of 2017, Georgia Trend’s 100 Most Influential Georgians for multiple years, and one of the Atlanta Business Chronicle’s Most Admired CEOs for 2020.

He received RSNA’s Honored Educator Award in 2012, the Radiology Research Alliance Innovation and Leadership Award from the AUR in 2017, gold medals from the AUR and ARRS in 2019, the Leadership Luminary Award of the Radiology Leader- ship Institute of the American College of Radiology in 2017 and was elected a Fellow of the National Academy of Inventors in 2019.
RSNA 2021 Virtual Meeting Offers Expanded Insight into State-of-the-Art Imaging

Virtual Meeting offers access to the latest science and research on your schedule

No matter where you are in the world — onsite in Chicago or in your office — RSNA 2021 Virtual Meeting gives you access to live-streamed and on-demand courses from the RSNA annual meeting. Add the Virtual Meeting to your registration package to enjoy the full meeting experience, including both in-person and virtual programming and in-person technical exhibit halls and the Virtual Exhibition. All attendees who register for virtual access will be able to view content online via livestream and on-demand with 100% of eligible meeting programming available through April 30, 2022.

“RSNA 2021 is an opportunity to learn new skills, understand emerging technologies and network with colleagues from around the world,” said Sanjeev Bhalla, MD, RSNA Board liaison for education and section chief of the Cardiothoracic Imaging Section at Mallinckrodt Institute of Radiology, St. Louis. “If you attend in person, virtually or a hybrid of both, the education, technology previews and networking opportunities are still diverse, unique and abundant. In fact, adding the Virtual Meeting to your registration packet, ensures that you won’t miss any conflicting sessions when you can’t be in two places at once.”

Dig Deep Into Meeting Program Sessions

The meeting site (Meeting.RSNA.org) is designed to quickly get you where you need to be, whether that is browsing the more than 450 educational and science sessions and 2,500 scientific posters and educational exhibits, exploring the Virtual Exhibition to see the latest available products and services, or networking with your peers.

The site is mobile optimized, taking the place of the meeting app and allowing instant access to programming using a range of handheld devices. Featured sessions appear on a daily schedule throughout the week, and many include live Q&A with the presenters. You will also have the plenary sessions, a full line-up of industry-related presentations and the Virtual Exhibition. You can participate in audience response sessions during live programming. From the Program Sessions page of the meeting site, you can filter sessions by day, type and topic or subspecialty. You can also filter for featured and on-demand sessions. A search tool is available to find sessions by course number or presenter name.

RSNA Virtual Meeting allows you to maximize your meeting experience by engaging with other professionals using the Live Chat Agent function to discuss session content with colleagues around the world and also a networking feature to help you connect with colleagues in the same subspecialty. The RSNA 2021 Live Chat Agent is sponsored by Polarean, Inc. Test your knowledge with Case of the Day (available only during the meeting week) and check back the following morning to see the correct answers. Virtual Meeting participants who submit the correct answer will receive 0.5 AMA PRA Category 1 Credits™.

While the official meeting program takes place between 8 a.m. and 6 p.m. Central Time (CT), all scheduled sessions and presentations will appear in the program displaying your local time zone.

View the Latest Technical Innovations and Make Connections

Whether onsite visiting the Technical Exhibits floor or exploring the Virtual Exhibition, you will find a wide array of in-person and online industry presentations, product demonstrations, workshops and symposiums. Use the online platform, Meeting.RSNA.org, to participate in interactive demos and group chats and connect with exhibitors to learn about their latest products and services. There are also several companies who will be exhibiting exclusively through the Virtual Exhibition.

This year’s virtual platform has advanced search capabilities that let attendees search by criteria including product category, company name and exhibit pavilion location. Use My Show Planner to create a must-see list of sessions and a select number of on-demand courses.

To register for the Virtual Meeting, visit RSNA.org/Register.
Chicago Never Disappoints RSNA Meeting Attendees

By Mary Henderson

Looking for Chicago dining, recreation and shopping? Check out RSNA colleagues’ recommendations

After a year’s hiatus from the annual meeting, what are some of the Chicago favorites that attendees are looking forward to seeing and doing this year?

The city of Chicago is fully open across industries following state, federal and U.S. Center for Disease Control and Prevention guidance. Hotels are welcoming guests and restaurants, attractions, museums and performance venues are open with no capacity limits. Masks are required for patrons dining indoors and proof of COVID-19 vaccination status may be required at some establishments. (Note: You should always double-check before heading out to determine the restrictions or requirements at a specific venue.)

Chi-Town’s Dining Scene

“Chicago is a fantastic, cosmopolitan city with amazing dining offerings,” said Myl-ene Truong, MD, professor of thoracic imaging at The University of Texas MD Anderson Cancer Center. “I’ve been to Chinatown numerous times and enjoyed Thai and Italian restaurants throughout the city. I love the dining scene.”

Hotspots for a fine dining experience include Ever, Oriole, Roister, Momotaro and the Loyalist. For casual fare, visit Chicago mainstays: Portillo’s, for their hot dogs and chocolate cake; Al’s Italian Beef, for, obviously, Italian beef sandwiches; and the legendary Lou Malnati’s for deep dish pizza, which was invented in Chicago in 1943.

Monteverde Restaurant & Pastificio in the West Loop is the choice of both Vahid Yaghmai, MD, professor and chair of the Department of Radiological Science at the University of California Irvine School of Medicine and RSNA News editor, and Brandon Brown, MD, associate professor of radiology and imaging sciences at Indiana University School of Medicine. “Make sure to book early because this restaurant has the best pasta in Chicago,” Dr. Yaghmai said. Dr. Brown concurs, “When eating at Monteverde, order the burrata e ham or the ragu alla napoletana.”

Arum Krishnaraj, MD, MPH, associate professor in the Department of Radiology and Medical Imaging at the University of Virginia, recommends Au Cheval in Chicago’s Fulton Market. “This cozy, diner-style restaurant is firstcome, first-served, so get there early and order the cheeseburger. It’s the best on the planet,” Dr. Krishnaraj said. Other not-to-miss shows coinciding with the annual meeting include “Bug” at Steppenwolf Theatre and the pre-Broadway show “Paradise Square” at the James M. Nederlander Theatre.

Live jazz is best heard at the Green Mill, according to Dr. Yaghmai. Other popular music venues recommendations include Blue Chicago, The Basement and Andy’s Jazz Club and Restaurant.

Since many of the city’s museums are closed by the time the annual meeting wraps up for the day, you can still take in many exhibits virtually. Visit the essential works of the Art Institute of Chicago, the exhibitions of the Chicago History Museum or, as recommended by Ranji Rajendran, MD, PhD, a radiation oncologist based in Chicago, try the Field Museum, for their impressive dinosaur displays, biology deep-dives and history of the indigenous people from the Americas.

Shopping the Mag Mile and Beyond

As any Chicago visitor can attest, one of the city’s biggest attractions is the abundance of shopping options. Several attendees take advantage of walking the Magnificent Mile, the famed 13-block stretch of Michigan Avenue. With the holiday displays and lights on the trees, it is the perfect way to stretch your legs after the day displays and lights on the trees, it is the perfect way to stretch your legs after the meeting.

You also might want to pick up some popcorn at Garrett’s, where several attendees recommended the Chicago Mix, a caramel and cheese popcorn mix. State Street also offers retail therapy from national chains and retailers, while Oak Street in the Gold Coast neighborhood offers luxury brands and boutiques.

For Dr. Mubarak, Sephora and Water Tower Place are must-stops when visiting. But at the end of the day, she says what’s most memorable about the annual meeting happens inside McCormick Place. “What I’m really looking forward to is seeing and meeting people again and experiencing the RSNA meeting itself,” she said.

For more visitor information, visit ChooseChicago.com/Concierge.

“I’d really like to take a nighttime or hauntings tour,” said Fatima Mubarak, MD, associate professor of radiology at Aga Khan University in Karachi, Pakistan.

Other popular outdoor activities happening during the RSNA annual meeting include the Lincoln Park Zoo Lights, ice-skating at Millennium Park and the Christmas kindlemarket, an authentic German-style market at Daley Plaza.

World-Class Museums, Music and Theater

From the glittering marquees in the Loop’s theater district to the independent companies in nearby neighborhoods, live performances have returned to Chicago.

In the holiday mood? Cirque du Soleil is putting its twist on a classic, “Twas the Night Before” at the Chicago Theatre. Chicago’s dance companies are also offering a full slate of events. The Nutcracker by A&A Ballet and the “Nutcracker” by the Joffrey Ballet. Other not-to-miss shows coinciding with the annual meeting include “Bug” at Steppenwolf Theatre and the pre-Broadway show “Paradise Square” at the James M. Nederlander Theatre.

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For more visitor information, visit ChooseChicago.com/Concierge.

Register for the RSNA 5k Fun Run

Jog, run, walk or wheel to benefit the RSNA R&E Foundation during this popular annual meeting event, kicking off Tuesday, Nov. 30 at 6:30 a.m. at Arvey Field, South Grant Park.

The annual Fun Run benefits the R&E Foundation through your fully tax-deductible $50 registration donation. Register at the Fun Run desk (Grand Concourse, level 2.5 of McCormick Place) Sunday and Monday between 7:30 a.m. and 5:30 p.m.

Pre-registered runners should visit the desk to pick up their bibs and T-shirts. Since 2012, the 5k Fun Run has been supporting the R&E Foundation, which funds grants and awards to individuals who advance radiologic research, education and practice.
Explore the Latest Innovations in the Technical Exhibits Halls

The Technical Exhibit Halls are the ideal setting to engage with industry experts and explore the latest medical imaging products and services. With exhibits from nearly 500 leading manufacturers, suppliers and medical technology developers, you will be immersed in medical imaging innovation.

AI Showcase
Discover the latest artificial intelligence (AI) solutions and connect with industry experts in the AI Showcase located in the South Hall. The AI Showcase features nearly 100 companies and provides exciting opportunities for attendees to see the newest AI software and product demonstrations and solutions. Enjoy hands-on learning and special engagement areas in this prime annual meeting destination. The AI Showcase is sponsored by AIRS Medical, amlilise.ai and neurophet.

RSNA AI Theater
Dive into the hottest topics in AI, machine learning and deep learning in the RSNA AI Theater, and get the training and networking opportunities you need to better understand the role of AI in medical imaging. The RSNA AI Theater is home to the AI-related resources and educational opportunities RSNA provides. Stop by for daily industry presentations. For the complete RSNA AI Theater event schedule, visit Meeting.RSNA.org.

Imaging AI in Practice Demonstration
Visit the Imaging AI in Practice booth to see the newly expanded Imaging AI in Practice demos. These multi-vendor interoperability demonstrations showcase new technologies and communication standards needed to integrate AI into the diagnostic workflow. Interact with 22 vendors as they demonstrate new tools and practice enhancements enabled by AI in real-world clinical scenarios.

3D Printing & Mixed Reality Showcase
Located in the North Hall, the 3D Printing & Mixed Reality Showcase is the place to network with customers and partners engaged in 3D medical printing research and development. This showcase offers attendees the opportunity to see and interact with the latest products in 3D printing, 3D software and augmented and virtual reality.

First-Time Exhibitor Pavilion
This year, RSNA is welcoming 20+ new companies to the First-Time Exhibitor Pavilion. Connect with these annual meeting newcomers and see their products and services in a showcase area inside the South Hall. Throughout the Exhibit Halls, other first-time exhibitors will be identified with a First-Time Exhibitor logo.

Recruiters Row
The annual meeting is the perfect place to connect with organizations and explore available career opportunities. Schedule time to connect with prospective employers who are on-hand to meet with candidates. Log on to RSNA’s Career Connect to search for participating employers and learn more at RSNA.org/Careers. While visiting Recruiters Row, update your headshot at the RSNA Portrait Studio.

Educators Row
Meet with representatives from educational institutions and leading medical associations from around the world in Educators Row, located in the South Hall. There you can also meet with RSNA publications staff who are ready to answer questions about any of RSNA’s peer-reviewed journals.

Corporate Symposiums
Participate in focused one-hour education sessions presented by RSNA exhibitors and sponsors throughout the week. Morning sessions are scheduled between 8 a.m. and noon; afternoon sessions are held from 1 to 4 p.m. See the complete listing of Corporate Symposia with presenters and locations at Meeting.RSNA.org.

Vendor Workshops
Get first-hand experience on an exhibiting company’s proprietary systems by attending user training and product instruction in classroom spaces located within the Technical Exhibits Halls. Vendor Workshops are scheduled between 10 a.m. and 5 p.m., Sunday through Wednesday.

Virtual Industry Presentations
Participate in educational sessions presented by sponsors during the 60-minute Virtual Industry Presentations and learn about specific exhibitor solutions during the 30-minute Virtual Product Theater Presentations. These are scheduled Monday through Wednesday. Check the Industry Program schedule at Meeting.RSNA.org.

Lunch & Learns
Participate in panel discussions, demonstrations and lectures with company leadership and medical professionals while you enjoy a mid-day meal. RSNA 2021 Lunch & Learns will be held Sunday through Wednesday. Visit Meeting.RSNA.org for the full schedule.

Virtual Exhibition
Visit even more exhibitors online in the Virtual Exhibition. Both in-person and virtual meeting attendees have access to industry programming and the complete Virtual Exhibition through April 30, 2022.

Innovation Theater
View the latest radiology innovations during these 15-minute open air theater presentations by exhibitors. Presentations will take place on Monday and Tuesday, beginning at 10:30 a.m. Details on the presentations are available in the online exhibitor listing.

Virtual Exhibitor Lounge
Visit this area to learn more about the virtual only exhibitors. Companies are featured by their logo, and a QR Code that will take attendees directly to the company’s online exhibit. This area includes a lounge with built-in chargers for attendees to relax, recharge and engage with the virtual exhibitors.

Bistro RSNA
Enjoy this buffet dining experience offering an extensive gourmet menu and plenty of seating. Open Sunday through Wednesday from 11 a.m. to 2:30 p.m., Bistro RSNA has two locations in the Technical Exhibits Halls. Purchase advance tickets for $27 per meal at RSNA.org/Register.

RSNA Learning Center Features More than 2,500 Posters and Exhibits
Located in Lakeside Center East, Level 3, the Learning Center houses thousands of education exhibits, scientific digital posters and quality improvement report posters covering a range of subspecialties.

Scientific posters will be displayed within each learning community. During the lunch hour, authors will be present for Poster Discussions.

Learning Center Schedule
The Learning Center is open daily from 7:30 a.m. to 6 p.m. All scientific posters and education exhibits are available during those hours for self-study, and digital presentations are available any time to Virtual Meeting registrants at Meeting.RSNA.org.

Additionally, select authors will be on hand to present their posters and exhibits during the following times:

- Sunday 11:45 a.m. – 12:45 p.m.
- Monday 12:15 – 1:15 p.m.
- Tuesday 12:15 – 1:15 p.m.
- Wednesday 12:15 – 1:15 p.m. and 4 – 5 p.m.
- Thursday 12:15 – 1:15 p.m.

Learning Communities
Scientific posters and education exhibits are organized into learning communities so you can plan your time effectively. Each learning community focuses on a specific subspecialty or area of interest. The Meeting Guide available onsite includes a convenient color-coded map of the Learning Center.

RSNA AI Deep Learning Lab
Attendees interested in deepening their understanding of AI applications are invited to visit the RSNA AI Deep Learning Lab located in the Learning Center. The Lab features 15 unique sessions developed by RSNA members covering a range of AI topics and skill levels including several beginner-friendly options.

Many of the sessions will employ a combination of lectures and hands-on activities. Attendees are encouraged to bring their own devices for hands-on activities and to explore new tools, resources and topics in AI. Visit the meeting program to view daily session schedules.

Case of the Day
Case of the Day is presented electronically in the Learning Center and accessible for virtual Meeting registrants at Meeting.RSNA.org.

Each day, Sunday through Wednesday, a new case in each of 15 categories will be displayed. Attendees may submit a diagnosis for each case at nearby internet stations, on the electronic presentation system or via any web browser at Meeting.RSNA.org.

For each correct diagnosis submitted, attendees will receive 0.50 AMA PRA Category 1 Credit™.

CME Available for Learning Center Activities
Earn CME by attending digital scientific poster presentations.
Stop by the RSNA Connections Center

The RSNA Connections Center is where you’ll learn about RSNA services, get answers to your questions or enjoy a moment of calm amidst the bustle of the meeting

Located in Lakeside Center East, Level 3, the Connections Center offers comfortable seating and tables equipped with chargers for your devices. You’ll also find staff on hand to answer your questions about the meeting and RSNA services and a full schedule of entertainment and educational presentations.

Information Desk
RSNA staff will be on hand at the Information Desk to answer your questions about RSNA 2021. Shop RSNA merchandise here, including hats, plush toys, key chains and, of course, face masks.

Membership & Resources
Get answers to your questions about RSNA membership benefits and services including:
• Career Connect
• Image Wisely®
• Informatics products
• International programs
• Journal subscriptions
• Membership renewals and payments
• Online Education
• Radiology Cares®: The Art of Patient-Centered Practice
• RadiologyInfo.org®
• Virtual Meeting

Ribbon Pick Up
The self-serve ribbon wall is located in the Connections Center.

R&E Booth and Donor Suite
Learn more about R&E Foundation activities, including current grant and award recipients and individual, private practice and corporate donors. Donors who have contributed at least $300 onsite or during the giving year may visit the exclusive Donor Suite for access to computers, a coat room, cozy seating and light refreshments.

RSNA Keeps You Connected

Internet Stations
Computers will be available at internet stations on the Grand Concourse—Level 2.5 and Level 3 and Learning Center, Lakeside Center East—Level 3. Use these computers to access Meeting Central and Credit Eval.

Free Wifi
Free wireless connectivity is available throughout McCormick Place. These wireless networks are not secure and should not be used for sending sensitive information.

Charging Stations
Charge your laptop, phone or other mobile device at one of the Charging Stations located throughout McCormick Place.

Need assistance?
Visit one of our Information Desks in the Grand Concourse, Level 3 or in the Con-
nections Center, Lakeside Center East, Level 3 where RSNA staff can assist with general information. Attendees can reserve RSNA 2022 hotel rooms at the Information Desk in the Grand Concourse.

“I Am Redefining Radiology” Selfie Station
Capture memories of your RSNA 2021 experience and embrace this year’s theme. Stop and take a selfie at this interactive space in the Membership & Resources area and show your colleagues how you are redefining radiology. Share your picture over social media using #RSNA21.

Discovery Theater Performance
During the meeting, the Discovery Theater will host live entertainment and informative programming. Relax and unwind with a spectrum of performances from diverse entertainers. Presentations include updates from Image Wisely®, a presentation from the Radiographics podcast editors, and information about publishing in RSNA journals. Don’t miss the popular Resident Competition. Take a break for chair yoga or a wellness talk. View the full schedule at RSNA.org/Annual-Meeting.

RSNA 2022 hotel rooms at the Information Desk in the Grand Concourse. Attendees can reserve rooms at the Information Desk or in the Connections Center. Use these computers to access Meeting Central and Credit Eval.

Discovery Theater Performances

Sunday
Nine Worlds Ensemble: Noon
Surabhi Ensemble: 3 p.m.

Monday
Lynx Project: 9 a.m.
Frank Russel Band: Noon
Tuesday
Lynx Project: 9 a.m.
Maltacon Strings: Noon
Wednesday
Guitarra Azul: Noon

Record of Attendance & Credit Claiming at RSNA 2021

Registrants will be able to access the self-service credit claim site

From the RSNA 2021 meeting site and RSNA.org/Register, you can review and adjust credit for education sessions attended, complete session evaluations and print and save your credit certificate or record of attendance.

• Hybrid and Virtual registrants can maintain extended access beyond the week of the live meeting, through April 30, 2022, to view and earn additional on-demand credits.
• Attendees will have access to the credit claiming site through April 30, 2023, in order to print their CME certificate or Record of Attendance.
• For assistance with your attendance and credit claiming questions, visit the Information Desk in the Connections Center or the Grand Concourse.
• The Radiological Society of North America (RSNA * ) is accredited by the Accreditation Council for Continuing Medical Education (ACCME) to provide continuing medical education for physicians. International attendees CME credits may be transferable.
• Australia and New Zealand: RSNA is an authorized CPD provider.
• Canada: AMA PRA Category 1 Credits™ can be converted to Royal College MOC credits.
• Mexico: All AMA PRA Category 1 Credits™ are transferable.
• Europe: Due to an agreement of mutual recognition, the UEMS European Accreditation Council will convert AMA PRA Category 1 Credits™ to EACCME European CME Credits (ECMECs). For more information, contact the European Union of Medical Specialists (UEMS) at info@uems.net or visit UEMS.net or EACCME.eu.
• Worldwide CME claimed at RSNA 2021 may be transferable. Contact the CME governing body in your home country for details.

International Services Help
The official language of the RSNA annual meeting is English, but limited translation assistance is available. Visit the Information Desk for additional information and assistance.
Help us shape the biggest week in radiology by reviewing science and education abstracts in your area of expertise for the RSNA 2022 program.

RSNA brings together the research and thought leadership that is shaping the profession. But we can’t do it without you.

Together we will help innovative ideas bloom.

RSNA.org/Volunteer
Connecting AI Workflows and Use Cases to Patient Outcomes is the Key to Collaborative Care

By Evonne Acevedo

For many radiologists, workflow-integrated artificial intelligence (AI) models for task automation and clinical decision support are helping them improve reporting quality and productivity while managing a surge in pandemic-delayed imaging volumes. At the same time, radiologists want to extend the benefits of AI beyond reading rooms to facilitate collaboration with care teams, using radiology reports and AI-derived data and insights to inform clinical decision making, promote better patient outcomes, and reduce costs. That has been a challenge in part because of growing workloads.

“When there’s so much pressure to do 20% more work in the same amount of time — or less — time, while maintaining your quality and accuracy,” said Sheela Agarwal, chief medical information officer at Nuance Communications. “And you’re doing so in a more difficult environment; you can no longer tap on the shoulder of a trusted colleague,” Agarwal said. “So, how do you effectively collaborate virtually?”

Developers at Nuance are taking an approach that recognizes the central role of diagnostic imaging in patient care from screening and diagnosis, to planning and treatment, through follow-up and measurement of outcomes. Their approach views the radiologist’s desk not only as a reading and reporting environment but as a hub that integrates AI within existing reporting workflows and facilitates communications with radiology team members and referring providers. The use of natural language understanding also supports structured reporting, Common Data Elements, and greater interoperability and HL7-based integration with connected EHR, PACS, viewers and advanced 3D imaging processing systems such as Siemens syngo.via.

“We’ve known how AI adds value to radiologists’ diagnostic expertise and enhances reporting productivity and quality with workflow optimization, task automation and clinical decision support,” Agarwal said. “So we’re building on that power with increased workflow integrability between systems and expanded communications and collaboration with providers, specialists and other imaging stakeholders.”

Agarwal said that Nuance is moving quickly toward enabling seamless sharing of radiologist- and AI-generated findings and data in patient-centered collaboration with other imaging stakeholders to enhance diagnostic precision, determine patient eligibility for advanced treatments, ensure follow-up and measure clinical effectiveness and value. Visit Nuance at Booth 3300 during RSNA 2021 to see product demonstrations and get more information about Nuance diagnostic imaging solutions. The company will also be part of the AI Showcase at Booth 4751.

Experience the World’s Largest Medical Imaging Exhibition

The RSNA 2021 Technical Exhibits Halls are the ideal setting to engage with industry experts and explore the latest medical imaging products and services all in one place. With exhibitors from more than 500 leading manufacturers, suppliers and medical information and technology developers, the Technical Exhibits Halls are filled with medical imaging innovation.

Step into the AI Showcase, featuring nearly 100 companies, to discover the latest artificial intelligence (AI) software and solutions and connect with industry experts. The AI Showcase is also home to the RSNA AI Theater where you can immerse yourself in the hottest topics in AI, machine learning and deep learning and get training and networking opportunities.

While visiting the AI Showcase, don’t miss the chance to experience the Imaging AI in Practice Demonstration and see the most current AI tools and enhancements in use in real-world clinical scenarios. This series of multi-vendor interoperability demonstrations features 22 vendors and highlights new technology and communication standards needed to integrate AI into diagnostic radiology workflow.

Beyond the AI Showcase, you can find a variety of other focused exhibit areas including the 3D Printing and Mixed Reality Showcase, Recruiters Row and Educators Row. Step by the 3D Printing and Mixed Reality Showcase to connect with exhibitors and attendees engaged in 3D medical printing research and interact with the latest advances in 3D printing, 3D software and augmented and virtual reality.

Recruiters Row is the place to go to explore available career opportunities and connect with prospective employers who are on-hand to meet with candidates. Log on to RSNA’s Career Connect at RSNA.org/Careers to search for participating employers. While you’re visiting Recruiters Row, update your headshot at the RSNA Portrait Studio.

If you are interested in connecting with representatives from educational institutions and leading medical associations from around the world, be sure to visit Educators Row. There you can also meet with RSNA publications staff who are available to answer questions about any of RSNA’s peer-reviewed journals.

Looking for the newest RSNA 2021 exhibitors? Visit the First-Time Exhibitor Pavilion and connect with more than 20 annual meeting newcomers. Our first-time exhibitors are identified throughout the exhibit halls with a First-Time Exhibitor logo.

The RSNA annual meeting is well known for the wealth of science and educational available, and the Technical Exhibits Halls host an array of demos, workshops, seminars and learning opportunities available throughout the day. Learn about radiology’s latest innovations in the Innovation Theater, an open-air theater hosting 15-minute presentations by exhibitors.

Participate in Corporate Symposiums, one-hour education sessions scheduled throughout the week presented by exhibitors and sponsors and attend Vendor Workshops, where you’ll participate in classroom-style, user training and product sessions and get firsthand experience on an exhibit company’s propriety systems. You can also attend Lunch & Learns to participate in panel discussions, demonstrations and lectures while you take a midday meal break.

With everything happening in Technical Exhibits Halls, you’ll want to remember to explore the Virtual Exhibition to connect with exhibitors who were unable to travel to Chicago. All RSNA attendees have access to industry programming and the complete Virtual Exhibition through April 30, 2022.

Take some time to watch the 30-minute, educational Virtual Industry Presentations presented by sponsors and the 30-minute Virtual Product Theater Presentations featuring specific exhibitor solutions.

Visit the Virtual Exhibitor Lounge to learn more about our virtual only exhibitors. This unique space includes QR codes that will quickly take you to a virtual exhibitor’s online exhibit. Explore the virtual exhibits from comfortable lounge seating with built-in chargers.

Learn more about the RSNA 2021 Technical Exhibits at Meeting.RSNA.org.

Technical Exhibits At-A-Glance

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<td>AI Showcase</td>
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<th>RSNA AI Theater Presentations</th>
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<th>Innovation Theater Presentations</th>
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<td>Monday and Tuesday</td>
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<th>Vendor Workshops, Lunch and Learns and Corporate Symposiums</th>
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<th>Virtual Exhibition and Virtual Industry Presentations</th>
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Dining: RSNA Bistro

RSNA Bistro

South Hall and North Hall

Sunday – Wednesday

Buffet lunch served 11 a.m. – 2:30 p.m.
RSNA attendees will learn the fundamentals involved in bringing new ideas to life at MESH Incubator Presents: The CORE Healthcare Innovation Bootcamp, an all-day event featuring AI, Digital and More on Monday morning and Crucial Aspects to Successful Implementation on Monday afternoon. The sessions are for anyone interested in getting involved in innovation; no prior knowledge or experience required.

“I want attendees to leave galvanized and to think, when they see a problem, not that they can’t solve it, but that they can,” said Marc Succi, MD, emergency radiologist-in-chief and BWH chair of radiology. Katherine P. Andriole, PhD, director of research strategy and operations at the MGH and BWH Center for Clinical Data Science, will lead an AI demo for participants, who are encouraged to bring their laptops so they can begin to develop an AI model of their own.

Diversity and Inclusion Increase Innovation

“Innovation is just as important as reading a chest X-ray,” Dr. Succi said, who envisions a future where an innovation rotation is required at every medical school. “We have to be all-inclusive of faculty, researchers, trainees, ancillary staff and administrators, and by democratizing innovation and education, we’ll increase our overall output. And for radiology specifically, it’s going to increase our position as a value player.”

He hopes those who participate in the boot camp will take the basics and culture of innovation back with them to teach their colleagues and serve as a resource.

“RSNA has provided a great platform for attendees to get a sense of what can be accomplished when ideas are put into practical utilization,” Dr. Succi said. “When we presented data at RSNA 2019 from our pilot course, the response was very positive and I hope attendees this year will use the opportunity to learn about the process of technology development and how to pursue innovation.”

RSNA is dedicated to ensuring that all attendees have a healthier and safer meeting experience

To ensure the safety of everyone in attendance at the annual meeting, RSNA is requiring proof of full COVID-19 vaccination from all meeting attendees, staff and exhibitor personnel prior to admittance into McCormick Place.

Acceptable vaccinations are those with U.S. Food & Drug Administration (FDA) or World Health Organization (WHO) approval or emergency use authorization. Before the meeting, all participants will be required to complete vaccination verification via a free, downloadable app, CLEAR, for domestic participants or the website, Safe Expo, for international participants.

McCormick Place has enhanced its cleaning protocols and added safety measures like touch-free doors, improved air quality, hand sanitizing stations and entry and exit processes to provide a safe environment. Face masks will be required in all public indoor places, including RSNA-provided shuttle buses, Metra trains, rideshares, etc., regardless of the status of mask mandates outside of RSNA 2021. All participants are encouraged to practice good hygiene and refrain from entering McCormick Place if you are feeling unwell or experiencing COVID-19 symptoms.

RSNA will offer two onsite COVID-19 testing options during RSNA 2021:

- Rapid Antigen, for attendees who are feeling unwell.
- Rapid Molecular, for attendees who require a negative COVID-19 test for travel or to return to work. This test satisfies most country and airline requirements for travel.

Your results will be available within 60 minutes of your testing appointment (printed or securely emailed to you).

Appointments can be scheduled in advance at RSNA.org/Covid-Testing. Walk-ins are also welcome. Please note, there may be a fee required for testing.

For updated information, visit the Health & Safety page at Meeting.RSNA.org.

Sunday’s Physics Tip

It’s filtration that primarily controls the energy of the beam and thus the subject contrast in mammography. Image processing can accentuate that contrast in the final image.

MESH Incubator Presents: The CORE Healthcare Innovation Bootcamp: AI, Digital and More will be held from 8 a.m. to noon. (M1-RCP25)

MESH Incubator Presents: The CORE Healthcare Innovation Bootcamp: Putting It Together – Crucial Aspects to Successful Implementation will be held from 1 p.m. to 4:30 p.m. (M4-RCP26).

Health & Safety page at RSNA.org/Covid-Testing
Unleash the Power of Your Data

Learn more at RSNA
IMAGINE MORE

POSSIBILITIES
Intelligent imaging technologies and services for better decisions, sooner.

Join us at booth 6916