The 2\textsuperscript{nd} ISMRM Workshop on Accessible MRI

16-18 FEBRUARY 2024

Indian National Science Academy (INSA) | New Delhi, India
OVERVIEW

This workshop is intended as a follow-up to the ISMRM Workshop on Accessible MRI for the World (March 2018) and to the virtual meeting, ISMRM Spotlights Africa: Doing Much with Little (February 2021). In both of these meetings, the groundwork was laid for a dual purpose: (1) to facilitate meaningful discussion about the need to develop, test, and clinically translate technologies designed to make MRI accessible to 90% of the world, which does not currently have access to it, and (2) to move the ISMRM towards a greater international engagement called out in our Society’s name, in parts of the world we currently have little presence, especially in low- and middle-income nations in multiple continents.

Magnetic resonance imaging as a field continues to be dominated by investigators and users in high-resource environments, and thus the needs of the field are often defined with patient populations in the same environments in mind. However, this narrative leaves out or underserves the needs of most patients in nations with fewer resources, and even patients in low-resource areas of richer nations. As the healthcare systems around the world evolve, there is an increasing need for all patient populations to be considered in the development and dissemination of our technologies. This movement requires consideration at every step of the MR imaging workflow, including hardware development and engineering, clinical needs assessment, acquisition design and implementation, clinical translation and utilization, education processes, and dissemination systems/operations.

In this workshop, we seek to study and interactively discuss all of these areas and move the field a step closer toward a more global and equitable future.

TARGET AUDIENCE

We aim for the content of the workshop to address broad needs of the community as detailed above. The content will be designed to be of broad interest and speakers will be encouraged to build content with general audiences in mind, minimizing jargon and maximizing understandability.

The range of expertise of attendees will likely span all of MR science including (but not limited to) MR physics, biomedical engineering, electrical engineering/computer science, radiologists, safety experts, health policy advisors from government and internationally reputed agencies, experts from abutting technologies such as artificial intelligence and big data. The range of training will also span all of MR: basic and clinical scientists, clinical radiologists, basic and clinical postdoctoral researchers, graduate students, MR enthusiasts, existing and potentially diverse end-users, and MR technologists.
EDUCATIONAL OBJECTIVES
Upon completion of this activity, participants should be able to:
• Identify MR clinical and hardware needs of underserved populations in various geographic regions worldwide that have been traditionally underserved in MR technology;
• Identify capabilities, cost, and applicability of portable and ultra-low-cost MR technology for MR access and compare these opportunities with less portable but intermediate or high field technology;
• Identify educational and training gaps for MR technologists, scientists, and physicians in countries which are underserved by MR technology; and
• Identify opportunities and models for collaboration between scientists and clinicians around the world.

SPEAKER UPLOAD INFORMATION (Audiovisual Preview)
Uploading presentations is available on a first-come, first-served basis. Hours are:
• Friday, 16 February: 08:00-08:30
Please see program for additional times (breaks & lunch).

PROGRAM CREDIT DESIGNATION
The International Society for Magnetic Resonance in Medicine is accredited by the Accreditation Council for Continuing Medical Education to provide continuing medical education for physicians. The International Society for Magnetic Resonance in Medicine designates this live activity for a preliminary maximum of 15.75* AMA PRA Category 1 Credits™. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

The American Medical Association has an agreement of mutual recognition of Continuing Medical Education (CME) credits with the European Union of Medical Specialists (UEMS), the accreditation body for European countries. Physicians interested in converting AMA PRA Category 1 Credits™ to UEMS-European Accreditation Council for Continuing Medical Education CME credits (ECMECs) should contact the UEMS at mutualrecognition@uems.eu.

Activities certified for AMA PRA Category 1 Credit™ that take place within a member country of the UEMS are not eligible for conversion to ECMECs under this agreement.

The International Society for MR Radiographers & Technologists (ISMRT), A Section of the ISMRM, is recognized by the American Registry of Radiologic Technologists (ARRT) as a Recognized Continuing Education Evaluation Mechanism (RCEEM). This workshop does not offer CE credits.

*preliminary credit designation; subject to change

CLAIMING CREDIT
To obtain your credit for the workshop, log in to the ISMRM membership portal at www.ismrm.org, click the "My Meeting Evaluations" menu option, and follow the instructions provided.
ORGANIZERS

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Andrew G. Webb, Ph.D..................................................................................................................................No relationships to disclose
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ISMRM & ISMRT
ANNUAL MEETING & EXHIBITION

Singapore

04-09 May 2024

www.ismrm.org | www.ismrt.org
### Day 1: FRIDAY, 16 FEBRUARY 2024 (5.00 CME Available)

#### Session 1: Opening

<table>
<thead>
<tr>
<th>Time</th>
<th>Event Description</th>
<th>Moderators</th>
<th>Speakers</th>
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<tbody>
<tr>
<td>08:00</td>
<td>Registration &amp; Speaker Upload Available</td>
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</table>
| 08:30  | Welcome & Introduction to Workshop                                                 | Vikas Gulani, M.D., Ph.D. & Sonal Krishan, M.D. | Derek K. Jones, Ph.D.  
Cardiff University  
Cardiff, England, UK |
| 08:45  | The Meaning of Accessibility to ISMRM                                              |                                                 | Arjun Arunachalam, Ph.D.  
Voxelgrids Innovations Private Limited  
Bangaluru, India |
| 09:10  | Why is MRI Expensive? Does It Have To Be?                                          |                                                 | Kristen Destigter, M.D.  
University of Vermont Medical Center  
Burlington, VT, USA |
| 09:35  | Democratization of Use: Experience with Ultrasound                                 |                                                 |                                                                        |
| 10:00  | Discussion                                                                         |                                                 |                                                                        |
| 10:30  | Break with Coffee & Tea                                                            |                                                 |                                                                        |
|        | Speaker Upload Available                                                            |                                                 |                                                                        |

#### Session 2: Addressing Disparities Around the World

<table>
<thead>
<tr>
<th>Time</th>
<th>Event Description</th>
<th>Moderators: Durgesh Dwivedi, Ph.D. &amp; Derek K. Jones, Ph.D.</th>
<th>Speakers</th>
</tr>
</thead>
</table>
| 10:30  | Building the Business Case for Providing MRI Access in LMICs                      | Harsh Mahajan, M.B.B.S., M.D.  
Mahajan Imaging & Labs  
New Delhi, India |
| 10:55  | Project SAMEER in India: Building a Homegrown MRI Scanner from the Ground Up in an LMIC Environment | Rajesh Harsh  
SAMEER  
Mumbai, India |
| 11:20  | Discussion                                                                         |                                                 |                                                                        |
| 11:45  | Lunch & Speaker Upload Available                                                   |                                                 |                                                                        |
| 12:00  | Poster Evaluation Session (until 15:00) (No CME Available)                         | S. Senthil Kumaran, Ph.D. & TBD                          |                                                                        |
| 13:15-19:30 | Institutional Site Visit of Ballabgarh or AIIMS (Optional & Size Limited) (No CME Available) | |                                                                          |

#### Session 3: The Indian Experience

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<tr>
<th>Time</th>
<th>Event Description</th>
<th>Moderators: Rama Jayasundar, Ph.D. &amp; Raju Sharma, M.D., MAMS, FICR</th>
<th>Speakers</th>
</tr>
</thead>
</table>
| 15:00  | Keynote Address: Project SAMEER in India (No CME Available)                       | Shri S. Krishan  
Ministry of Electronics & Information Technology  
New Delhi, India |
Indian Institute of Technology Delhi  
New Delhi, India |
| 15:50  | AI to Decrease the Interpretive Burden                                             | Anjali Agrawal, M.D.  
Teleradiology Solutions  
New Delhi, India |
| 16:15  | Discussion                                                                         |                                                 |                                                                        |
| 16:35  | MRI Research in India: Informal Discussions with Faculty from India (until 18:00) (No CME Available) | |                                                                          |
| 18:00  | Adjourn                                                                            |                                                 |                                                                        |
| 19:30  | Dinner                                                                             |                                                 |                                                                        |
**Day 2: SATURDAY, 17 FEBRUARY 2024 (6.50 CME Available)**

### Session 4: Ultra-Low Field MR

**Moderators:** Soumen Kar, Ph.D. & Jaladhar Neelavali, Ph.D.

<table>
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<tr>
<th>Time</th>
<th>Title</th>
<th>Speaker</th>
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| 08:30 | Field Strength as a Variable: When To Use What? | Vikas Gulani, M.D., Ph.D.  
University of Michigan  
Ann Arbor, MI, USA |
| 08:55 | Hardware Considerations at Very Low Field | Ed X. Wu, Ph.D.  
University of Hong Kong  
Hong Kong, China |
| 09:20 | Translational Potential: The First 3 Years | Kirsten Donald, MBChB, Ph.D.  
University of Cape Town  
Cape Town, South Africa |
| 09:40 | Discussion  
Break with Coffee & Tea  
Speaker Upload Available |

### Session 5: Winning Back the Losses: Fighting SNR at Low & Intermediate Fields

**Moderators:** Ernesta Meintjes, Ph.D. & HSD Srinivas, BE, MBA

<table>
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<tr>
<th>Time</th>
<th>Title</th>
<th>Speaker</th>
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</table>
| 10:10 | AI for SNR Gains | Ed X. Wu, Ph.D.  
University of Hong Kong  
Hong Kong, China |
| 10:35 | RF Solutions | Charlotte Sappo, Ph.D.  
Vanderbilt University Medical Center  
Nashville, TN, USA |
| 11:00 | Image Quality in Low Field MR | Sairam Geethanath, Ph.D.  
Johns Hopkins University  
Baltimore, MD, USA |

### Session 6: Proffered Papers (Oral Session)

**Moderators:** Amit Chaudhari, MBBS, M.D. & Anup Singh, Ph.D.

**Proffered Papers - Oral**

<table>
<thead>
<tr>
<th>Time</th>
<th>Title</th>
<th>Speaker</th>
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</table>
| 11:30 | Improving Access to MRI in Low-Middle Income Countries Through Capacity Building | Francis Botwe, B.Sc.  
University of Sussex  
Brighton, England, UK |
| 11:38 | Accessibility of MRI Services at the Top of the World, Nepal | Babina Aryal, PG  
Brainware University  
West Bengal, India |
| 11:46 | A Case Study of Clinical Accessibility of Ultra-Low-Field MRI in a Low-Resource Referral Hospital in Southern Malawi | Maclean Vokhiwa, M.P.H.  
TRUE Malawi  
Blantyre, Malawi |
| 11:54 | Spatiotemporal Encoding MRI at a Portable Low Field System Without Parallel Imaging | Yueqi Qiu, B.Sc.  
Shanghai Jiao Tong University  
Shanghai, China |
| 12:02 | A Low-Cost, Small-Footprint Gradient Amplifier for Low Field MRI Based on GaN FETs | Reid Bolding, B.Sc.  
Case Western Reserve University  
Cleveland, OH, USA |
| 12:10 | Low-Cost Internet-Connectivity Robust Fluwiz-Based Cloud Computing & Review Service for MR Workflows | Sundara Kumaram V, B.Sc.  
GE HealthCare  
Bangalore, India |
<table>
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<tr>
<th>Time</th>
<th>Title</th>
<th>Presenter</th>
<th>Institution/Location</th>
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<tbody>
<tr>
<td>12:18</td>
<td>Clinical Utility of 0.55T MRI System for the Surveillance of Intraductal Papillary Mucinous Neoplasm</td>
<td>Radhika Rajeev, MBBS, M.D.</td>
<td>University of Michigan, Ann Arbor MI, USA</td>
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<tr>
<td>12:26</td>
<td>Accessible MR Using AI on Derated Systems: A Large Clinical Study</td>
<td>Suresh Joel, Ph.D.</td>
<td>GE HealthCare Bangalore, India</td>
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<tr>
<td>12:34</td>
<td>Lunch &amp; Speaker Upload Available Poster Viewing</td>
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<tr>
<td>13:00</td>
<td><strong>Session 7: Mid-Field &amp; Traditional Field MR</strong></td>
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<td>Moderators: Patricia Johnson, Ph.D. &amp; Mayil Krishnam, M.D., MRCP, DMRD, FRCR, MBA</td>
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<tr>
<td>14:00</td>
<td>Bringing Low Field MRI to Resource-Constrained Setting: The Journey So Far!</td>
<td>Raju Sharma, M.D.</td>
<td>All India Institute of Medical Sciences New Delhi, India</td>
</tr>
<tr>
<td>14:25</td>
<td>Cost Versus Performance</td>
<td>Andrew G. Webb, Ph.D.</td>
<td>Leiden University Medical Center Leiden, The Netherlands</td>
</tr>
<tr>
<td>14:50</td>
<td>Advanced Imaging for Low-Performance, Low-Cost Clinical Scanners</td>
<td>Nicole E. Seiberlich, Ph.D.</td>
<td>University of Michigan Ann Arbor, MI, USA</td>
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<tr>
<td>15:15</td>
<td>Discussion</td>
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<td>15:30</td>
<td>Break with Coffee &amp; Tea Speaker Upload Available</td>
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<tr>
<td>16:00</td>
<td>Institutional Site Visit of AIIMS (Optional &amp; Size Limited) (No CME Available)</td>
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<td>16:00</td>
<td><strong>Session 8: Education &amp; Dissemination of Science</strong></td>
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<td>Moderators: Anubha Gupta, Ph.D., &amp; Uma Sharma, Ph.D.</td>
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<tr>
<td>16:00</td>
<td>The CAMERA Experience</td>
<td>Farouk Dako, M.D., MPH</td>
<td>University of Pennsylvania Philadelphia, PA, USA</td>
</tr>
<tr>
<td>16:25</td>
<td>Educating Technologists</td>
<td>Sonal Krishan, M.D.</td>
<td>Medanta Hospital Gurgaon, India</td>
</tr>
<tr>
<td>16:50</td>
<td>Opportunities to Share Experience in Publications</td>
<td>Linda Moy, M.D.</td>
<td>New York University Cancer Institute New York, NY, USA</td>
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<tr>
<td>17:15</td>
<td>Discussion</td>
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<td>17:30</td>
<td>Adjourn</td>
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<td>17:30</td>
<td>ISMRM India Chapter General Business Meeting (No CME Available)</td>
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<tr>
<td>19:00</td>
<td>Dinner</td>
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**Day 3: SUNDAY, 18 FEBRUARY 2024 (4.25 CME Available)**

**Session 9: Proffered Papers (Oral Session)**

**Moderators: Angshul Majumdar, Ph.D. & Mark Parsons, M.D.**

<table>
<thead>
<tr>
<th>Time</th>
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<tbody>
<tr>
<td>08:30</td>
<td>Current State-of-the-Art on an Open-Source 47 mT Halbach System</td>
<td>Andrew Webb, Ph.D.</td>
<td>Leiden University Medical Center Leiden, The Netherlands</td>
</tr>
<tr>
<td>Time</td>
<td>Title</td>
<td>Presenter</td>
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<td>08:38</td>
<td>Denoising Very Low-Field Magnetic Resonance Images Using Native Noise</td>
<td>Tonny Ssentamu, B.Sc.</td>
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<td>Modelling &amp; Deep Learning</td>
<td>Makerere University</td>
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<td>Kampala, Uganda</td>
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<td>B0 &amp; Gradient Fields</td>
<td>New York University</td>
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<td>Grossman School of</td>
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<td>Medicine New York, NY, USA</td>
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<td>08:54</td>
<td>1.5D TRASE MRI</td>
<td>Gordon Sarty, Ph.D.</td>
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<td>Saskatoon, SK, USA</td>
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<td>09:02</td>
<td>A Comparison Study of Different Eddy Current Measurements at Low</td>
<td>Suen Chen, B.Sc.</td>
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<td>Field MRI</td>
<td>Shanghai Jiao Tong</td>
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<td>University Shanghai, China</td>
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<tr>
<td>09:10</td>
<td>Promoting Accessibility Through the Clinical Application of 0.55T</td>
<td>Tejinder Kaur, M.D.</td>
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<td>MRI-Guided Robotic &amp; Percutaneous In-Bore Prostate Biopsies</td>
<td>University of Michigan</td>
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<td>Ann Arbor, MI, USA</td>
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<td>09:18</td>
<td>Interventional Navigation at Portable MRI Systems: A Pilot Study</td>
<td>Yueqi Qiu, B.Sc.</td>
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<td>Shanghai Jiao Tong</td>
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<td>09:26</td>
<td>Simultaneous Multi-Slice Fast Spin Echo at 0.5T</td>
<td>Sudhir Ramanna, M.Sc.</td>
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<td>Bangalore, India</td>
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<td>09:34</td>
<td>Break with Coffee &amp; Tea</td>
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<td>Speaker Upload Available</td>
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**Session 10: Launching & Maintaining Research Amidst Resource Constraints**

*Moderators: Paul Taylor, Ph.D. & TBD*

<table>
<thead>
<tr>
<th>Time</th>
<th>Title</th>
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<tr>
<td>10:05</td>
<td>Advanced MRI Research in South Africa</td>
<td>Ernesta Meintjes, Ph.D.</td>
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<td>University of Cape Town</td>
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<td>Cape Town, South Africa</td>
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<td>10:30</td>
<td>Advanced MRI Research in Nigeria</td>
<td>Abiodun Fatade, M.B.B.S.</td>
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<td>Crestview Radiology Ltd.</td>
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<td>Lagos, Nigeria</td>
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<td>10:55</td>
<td>Advanced MRI Research in India</td>
<td>S. Senthil Kumaran, Ph.D.</td>
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<td>All India Institute of Medical</td>
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<td>New Delhi, India</td>
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**Session 11: Proffered Papers (Oral Session)**

*Moderators: Bharat Aggarwal, M.D. & Abiodun Fatade, M.B.B.S.*

<table>
<thead>
<tr>
<th>Time</th>
<th>Title</th>
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<tbody>
<tr>
<td>11:30</td>
<td>Halbach Magnet Design for Low-Field MRI Using Higher-Order Halbach Shimming &amp; Layer-Independent Segmentation</td>
<td>Natnael Anjulo, Ph.D. Candidate</td>
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<td>Case Western Reserve University</td>
<td>Cleveland, OH, USA</td>
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<td>11:46</td>
<td>3D MR Fingerprinting for Prostate at 0.55 T</td>
<td>Jesus E. Fajardo, Ph.D.</td>
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<td>University of Michigan</td>
<td>Ann Arbor, MI, USA</td>
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<tr>
<td>11:54</td>
<td>Deep-Learning Accelerated Free-Breathing Simultaneous Quantification of Fat Fraction, R2* &amp; T1 at 0.55T: Validation in a Clinical Cohort</td>
<td>Michael Ohliger, Ph.D. University of California, San Francisco</td>
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<tr>
<td>12:02</td>
<td>Technical Feasibility of Knee T2 Mapping at 0.55T: A Deep-Learning &amp; Radial TSE-Enabled Approach</td>
<td>Rupsa Bhattacharjee, Ph.D. University of California, San Francisco</td>
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<td>12:10</td>
<td>Clinical Feasibility of 3D Female Pelvic Floor MRI in a Community Urology with a Portable Low-Field Scanner</td>
<td>Meredith Sadinski, Ph.D. Promaxo University of California, San Francisco</td>
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<td>Oakland, CA, USA</td>
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<tr>
<td>12:18</td>
<td>Fetal-Guided Automatic Acquisition &amp; Analysis of Both Anatomical &amp; Functional Fetal MRI</td>
<td>Sara Neves Silva, B.Sc. King’s College London University of California</td>
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<td>London, England, UK</td>
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<tr>
<td>12:26</td>
<td>Comparison of Neonatal Brain Morphometry from Low-Field &amp; High-Field MRI Acquisitions</td>
<td>Andre van der Kouwe, Ph.D. Massachusetts General Hospital Charlestown, MA, USA</td>
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<tr>
<td>12:34</td>
<td>Lunch &amp; Speaker Upload Available</td>
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<td></td>
<td>Session 12: Developing Collaborative Networks</td>
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<td>13:30</td>
<td>Data-Sharing &amp; Access/Non-Colonial Collaboration</td>
<td>Patricia Johnson, Ph.D. New York University</td>
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<td>New York, NY, USA</td>
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<tr>
<td>13:55</td>
<td>Building Networks Between LMICs</td>
<td>Udunna Anazodo, Ph.D. McGill University</td>
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<td>Montreal, QC, Canada</td>
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<td>14:20</td>
<td>MR for the Outback: Australian Perspective</td>
<td>Mark Parsons, M.D. UNSW Sydney</td>
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<td>Sydney, NSW, Australia</td>
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<tr>
<td>14:45</td>
<td>Welcome Address</td>
<td>S. Senthil Kumaran, Ph.D. All India Institute of Medical Sciences</td>
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<td>New Delhi, India</td>
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<tr>
<td>14:55</td>
<td>Summary of Workshop</td>
<td>Vikas Gulani, M.D, Ph.D. &amp; Sonal Krishan, M.D.</td>
</tr>
<tr>
<td>15:05</td>
<td>Discussion &amp; Feedback</td>
<td>Organizing Committee</td>
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<tr>
<td>15:30</td>
<td>Awards</td>
<td>Vikas Gulani, M.D, Ph.D.</td>
</tr>
<tr>
<td>15:45</td>
<td>Thank You &amp; Adjourn</td>
<td>Vikas Gulani, M.D, Ph.D.</td>
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<tr>
<td>16:00</td>
<td>High Tea</td>
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</table>

Take the 5-minute on-site survey!
See the registration desk for questions.
This survey is not for CME credits.

FOLLOW THE CONVERSATION:
The 2nd ISMRM Workshop on Accessible MRI II

Ronald Amodoi, B.Sc.
Natnael Anjulo, Ph.D. Candidate
Babina Aryal, PG
Krithika Balaji, Ph.D.
Francis Botwe, B.Sc.
Jesus E. Fajardo, Ph.D.
Tejinder Kaur, M.D.
Shounak Nandi, B.Tech
Sara Neves Silva, B.Sc.
Radhika Rajeev, MBBS, M.D.
Tonny Ssentamu, B.Sc.
Radhika Tibrewala, M.Sc.
Maclean Vokhiwa, M.P.H.
## Posters

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<tr>
<th>POSTER</th>
<th>TITLE</th>
<th>AUTHOR</th>
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<tbody>
<tr>
<td>1</td>
<td>Intelligent Scan Plane Prescription in Knee MRI in Subjects with Metal Implants</td>
<td>Tisha Abraham, M.Sc. GE HealthCare Bangalore, India</td>
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<tr>
<td>2</td>
<td>Patient Adaptive Intelligent MRI Scanning with Similar Scan Time &amp; Consistent Image Quality</td>
<td>Harsh Kumar Agarwal, Ph.D. GE HealthCare Bangalore, India</td>
</tr>
<tr>
<td>3</td>
<td>Present Status of Magnetic Resonance Imaging Education Across Nepal</td>
<td>Babina Aryal, PG Brainware University West Bengal, India</td>
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<tr>
<td>4</td>
<td>Comparison Between Diagnostic Performance of Apparent Diffusion Coefficient &amp; Quantitative Diffusion Kurtosis Imaging for Characterization of Lymphoma</td>
<td>Esha Baidya Kayal, Ph.D. Indian Institute of Technology Delhi New Delhi, India</td>
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<tr>
<td>5</td>
<td>Dynamic B0 Drift Correction for Rapid Phase-Cycled bSSFP on a 13-Year-Old 3T Scanner</td>
<td>Krithika Balaji, Ph.D. Imperial College London London, England, UK</td>
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<td>6</td>
<td>Self-Shielded Multi-Turn Surface Coils for Decoupling RF Coil Arrays in Low Field MRI</td>
<td>Reid Bolding, B.Sc. Case Western Reserve University Cleveland, OH, USA</td>
</tr>
<tr>
<td>7</td>
<td>AI Based Denoising Method for Diffusion Weighted MR Images at 0.5T</td>
<td>Sudhanya Chatterjee, Ph.D. GE HealthCare Bengaluru, India</td>
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<tr>
<td>8</td>
<td>Inline Automatic Quality Control of 2D Phase-Contrast Flow MR Imaging for Subject-Specific Scan Time Adaptation</td>
<td>Pierre Daudé, Ph.D. Laboratory of Imaging Technology (NIH-NHLBI) Bethesda, MD, USA</td>
</tr>
<tr>
<td>9</td>
<td>Can We Optimize Cartilage T2 Mapping Sequence with Open Software?</td>
<td>Tiago Timoteo Fernandes, M.Sc. Institute for Systems &amp; Robotics - Instituto Superior Técnico, Universidade de Lisboa Lisbon, Portugal</td>
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<tr>
<td>10</td>
<td>MR Simulation Platform for Hardware Close MR Simulation for Low-Field Device Development</td>
<td>Erwin Fuhrer, Ph.D. Indian Institute of Technology Mandi Mandi, India</td>
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<tr>
<td>11</td>
<td>Motion Correction in Multi-Shot Acquisitions by Removal of Motion-Ridden Shots to Fill with Unrolled DL Reconstruction</td>
<td>Megha Goel, M.Tech. GE Healthcare Bangalore, India</td>
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<td>12</td>
<td>Diffusion Weighted Imaging with a Portable Single Sided Clinic Based MRI Scanner</td>
<td>Muller Gomes, Ph.D. Promaxo Oakland, CA, USA</td>
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<td>13</td>
<td>Challenges &amp; Opportunities for Clinical Transition of Deep Learning-Based Knee Segmentation Research Models Trained on Mid-Field 3T Images to Low-Field 0.5T Images</td>
<td>Madeline Hess, B.A. University of California, San Francisco San Francisco, CA, USA</td>
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<td>14</td>
<td>Optimizing Cardiac MRI Segmentation Using Slice Classification for Improved LV Myocardium Assessment</td>
<td>Raufiya Jafari, B.Sc. Indian Institute of Technology New Delhi, India</td>
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<tr>
<td>15</td>
<td>Using Deep Learning Reconstruction to Improve Abdominal MR Image Quality at 0.5T: A Comparative Study</td>
<td>Lauren Kelsey, B.Sc. University of Michigan Ann Arbor, MI, USA</td>
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<td>16</td>
<td>16-Channel Modular Multi-Purpose Flexible Coil for Accessible MRI</td>
<td>Santosh Kumar, Mtech Delhi University Bangalore, India</td>
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### Posters

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| 17     | Automatic Classification of Cine MRI Slices with Limited Data Using CNN Models | Sandeep Kumar, MBBS  
Indian Institute of Technology, Delhi  
New Delhi, India |
GE HealthCare  
Bangalore, India |
Indian Institute of Technology  
New Delhi, India |
| 20     | Withdrawn by author                                                   |                                                                                           |
| 21     | Textural Changes are More Sensitive than Volumetry of the Amygdala in Cocaine Use Disorder Patients: Potential for Low-Field MRI Translation | Shounak Nandi, B.Tech  
Icahn School of Medicine at Mount Sinai  
New York, NY, USA |
| 22     | Exploring the Potential of a Score-Based Diffusion Model on 0.3T Low Field MRI Scans for Accelerated MRI | Alex Pang, Undergraduate  
The Village School  
Houston, TX, USA |
Indian Institute of Technology, Delhi  
New Delhi, India |
| 24     | Fat Suppressed MRI at Mid-Field with High Field Inhomogeneity Using Fast Spin-Echo Triple-Echo Dixon | Sajith Rajamani, B.Sc.  
GE HealthCare  
Bangalore, India |
| 25     | Multi-Echo SWI at 0.5T: Protocol Considerations & SNR Enhancement by Deep Learning Reconstruction | Sajith Rajamani, B.Sc.  
GE HealthCare  
Bangalore, India |
| 26     | Feasibility of Routine Abdominal MR Imaging in Patients at 0.55T: Comparison with 1.5 and 3T | Anupama Ramachandran, M.D.  
Brigham & Women’s Hospital  
Boston, MA, USA |
| 27     | Simultaneous Multi-Slice Diffusion MRI at 0.5T                       | Sudhir Ramanna, M.Sc.  
GE HealthCare  
Bangalore, India |
| 28     | Simultaneous Multi-Slice Multi-Echo GRE Without Coil Sensitivity     | Sudhir Ramanna, M.Sc.  
GE HealthCare  
Bangalore, India |
| 29     | DL Based Denoising of Low SNR MR Images Using High Frequency Priors from High SNR MR Images | Preetham Shankpal, Ph.D.  
GE Healthcare  
Bangalore, India |
| 30     | Deep Learning Reconstruction with Multiband Diffusion Imaging at 0.5T | Rajagopalan Sundaresan, M.Sc.  
GE HealthCare  
Bangalore, India |
| 31     | DWI MUSE with Deep Learning Reconstruction at 0.5T                  | Rajagopalan Sundaresan, M.Sc.  
GE HealthCare  
Bangalore, India |
| 32     | Lessons from the FMRI Open QC Project: Improving & Sharing Data Assessment Tools | Paul Taylor, Ph.D.  
National Institute of Mental Health  
Bethesda, MD, USA |
The ISMRM wishes to thank the following supporters for their contributions to
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