

e-Conference on Modern MRI: From Core Principles to AI-Driven Applications

29th May 2025

14:00-17:30 hrs. Pakistan Time (GMT+5) / 09:00-12:30 hrs. GMT

Pakistan Time	Opening Session
1400–1405	Opening Remarks Ambassador Dr. M. Nafees Zakaria Executive Director COMSATS
1405–1410	Introductory Remarks Prof. Dr. Sajid Qamar Rector, COMSATS University Islamabad, Pakistan
	Technical Program
1410–1440	Keynote: An Overview of Principles and Applications of MRI Dr. Hammad Omer (<i>T.I.</i>) Assoc. Professor/ Head International Office, COMSATS University Islamabad, Pakistan
1440–1500	4D Flow MRI for Clinicians Dr. Sohaib Ayaz Qazi Postdoctoral Researcher and Clinical Scientist Linkoping University Hospital, Sweden
1500–1520	The Glymphatic System: Imaging the New Frontier in Brain Health Dr. Ibtisam Aslam Postdoctoral Researcher Hospital University of Genève, Switzerland
1520–1540	Accelerating MRI Reconstruction with High Performance Computing Dr. Hassan Shahzad Principal Scientist National Centre for Physics (NCP), Pakistan

1540–1600	Clinical and Pre-clinical MR-Spectroscopic Imaging – Dr. Zoonna Javed Postdoctoral Research Associate University of Sheffield, UK
1600–1620	From Seconds to Milliseconds: Boosting MRI Reconstruction FPS with Heterogeneous Compute – Mr. Abdul Basit Ph.D. Scholar COMSATS University Islamabad (CUI, Pakistan
1620–1640	AI Revolution in MRI Reconstruction: Methods, Models, and Challenges – Dr. Madiha Arshad Assistant Professor National University of Technology (NUTECH), Pakistan
1640–1655	From Blurred to Crisp: Practical Motion Compensation Techniques in Dynamic MRI – Ms. Yumna Bilal Assistant Professor University of Gujrat, Pakistan
1655–1710	Super-resolution Techniques in MRI – Mr. Adnan Nasim Ph.D. Scholar Hamdard University, Pakistan
1710-1725	Interactive Session/ Q&A
1725-1730	Concluding Remarks – Dr. Hammad Omer (T.I.) Assoc. Professor/ Head International Office, COMSATS University Islamabad, Pakistan