"AI and Irish Radiology: Framing the Future"

- **9:15am Opening Address**: Prof Brendan Kinsley/Peter MacMahon

- **9:30am Session 1**: "Demystifying AI for Radiologists"

  - 9:35am "Artificial Intelligence for Radiologists: The Basics"
    Paul Banahan, *AI Research Fellow, Mater Hospital*
  - 9:55am "AI for Radiology: Understanding How Models are Trained"
    Brendan Kelly, *Radiologist, St Vincents Hospital*
  - 10:20am "AI Research in Radiology: Insights from a Computer Scientist"
    Kathleen Curran *PhD, University College Dublin*

10:40am Coffee Break and Networking

- **11am Session 2**: "The Mater AI Challenge: A Comparison of Commercial AI Solutions"

  - 11:05am **Haemorrhage Detection on CT Head** – *Sophie Murphy and Brian Gibney*
    - Comparing results from **Aidoc**, **RAPID-AI**, **Annalise.ai** and **Qure.ai**
  - 11:25am **Fracture Detection on X-ray** – *Michael Fitzsimons and Brian Gibney*
    - Comparing results from **Gleamer**, **Qure.ai**, and **Radiobotics**
  - 11:45am **Chest X-ray Analysis** – *Lara Toerien and Barry Hutchinson*
    - Comparing results **Qure.ai**, **Lunit**, **Gleamer**, **Siemens Healthineers**, **Rayscape** and **Annalise.ai**
  - 12:05pm **Prostate MRI Analysis** – *Jane Burns and Barry Hutchinson*
    - Comparing results **Lucida Medical**, **Deephealth (Quantib)**, **Quibim** and **Siemens Healthineers**

- **12:30pm** "Legal Implications of AI in Radiology: Liability, Regulation, and Future Directions"
  Barry Scannell, *AI Law Expert, William Fry LLP*

12:50pm Lunch

- **1:30pm Session 3**: "Clinical Implementations of AI in Irish Radiology"

  - 1:35pm "The Mater's experience: Overcoming AI Implementation Challenges"
    Peter MacMahon, *Consultant Radiologist, Mater Hospital, Dublin*

  - 2pm "AI Accelerated MRI at St Vincents Hospital's: Our Experience"
    Ronan Killeen, *Consultant Radiologist, St Vincents Hospital, Dublin*

  - 2:25pm "AI's Effect on Workflow and Diagnostics: The Mater's Experience"
    Brian Gibney, *Consultant Radiologist, Mater Hospital, Dublin*

2:50pm Coffee Break and Networking

- **3:05pm Session 4:** "Framing the Future"

  - **3:10pm** "Challenges of integrating AI with NIMIS"
    Niall Sheehy, *Consultant Radiologist, St James Hospital, Dublin*

  - **3:25pm** *"Will the new digital Children's Hospital be born AI enabled?"*
    Neil O'Hare, *Chief Information Officer, Children's Health Ireland (CHI)*

  - **3:40pm** "Will AI Solve Radiology's Problems?"
    Adrian Brady, *Radiologist, University College Cork, European Society of Radiology*

- **4:00pm Closing Panel Discussion**: "The Future of AI in Irish Radiology: Challenges and Opportunities"
  Chair: Peter MacMahon. Panel: Niall Sheehy, Ronan Killeen, Adrian Brady, Neil O'Hare

4:20pm End