

# PET Rapid Image Reconstruction Workshop Closing

# ***Future: publications***

- Top 3 teams have made their contributions open source

<https://github.com/orgs/SyneRBI/repositories>

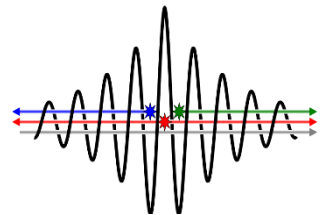
Look for PETRIC-\*

- Special issue

*Frontiers in Nuclear Medicine*

joint with

Front. Physics, section Medical Physics and Imaging



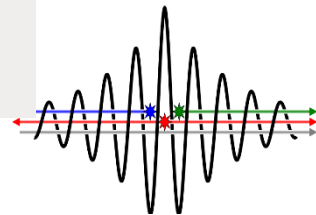
# Future: Raw data access

- PETSIRD (Positron Emission Tomography Standardization Initiative Raw Data)



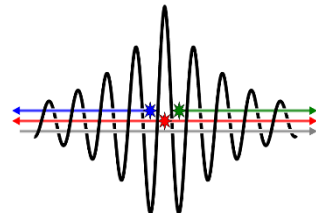
The screenshot displays the Emission Tomography Standardization Initiative (ETSI) website. At the top left is the ETSI logo, which includes the letters 'E', 'T', 'S', and 'I' in a grid, with a lightbulb icon and the word 'coding' in the center. Below the logo is the text 'Emission Tomography Standardization Initiative (ETSI)' and 'Initiative for the standardization of emission tomography raw data'. A search bar with a magnifying glass icon and the word 'SEARCH' is located at the top right. A navigation menu below the header contains links for 'Home', 'Features', 'Events', and 'Announcements', with plus signs between 'Features' and 'Events'. The main content area features a dark banner with the text '2nd ETSI Hackathon, November 3-4, 2024, Tampa, FL, USA'. Below the banner is a white box with the text 'Welcome to the official page of the 2nd ETSI Hackathon!' and a large graphic of the ETSI logo with '2nd Hackathon' written below it.

<https://etsinitiative.org/>



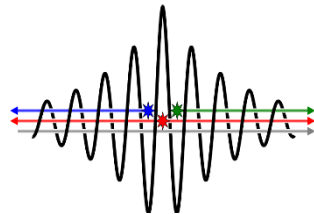
# ***Future open Challenge(s)?***

- More data-sets  
Simulations/Phantom data/Patient data (???)
- Possibly alternate between
  - small problems to allow experimenting
  - real-world data
- Fixed MAP problem or image quality?
- Synergistic reconstruction?
- Collaboration with the Ultra Low Dose PET Imaging Challenge (UDPET)



# *More information*

- PETRIC
  - Information: [github.com/SyneRBI/PETRIC/wiki](https://github.com/SyneRBI/PETRIC/wiki)
  - Data: [petric.tomography.stfc.ac.uk/data/](https://petric.tomography.stfc.ac.uk/data/)
  - Leaderboard: [petric.tomography.stfc.ac.uk/leaderboard](https://petric.tomography.stfc.ac.uk/leaderboard)
- SyneRBI  
[www.ccpsynerbi.ac.uk/](http://www.ccpsynerbi.ac.uk/)
- Synergistic Image Reconstruction Framework  
[github.com/SyneRBI/SIRF/](https://github.com/SyneRBI/SIRF/)
- Core Imaging Library  
[github.com/TomographicImaging/CIL](https://github.com/TomographicImaging/CIL)



# ***Acknowledgements***

- Invited speakers at this workshop
- PETRIC participants
- Data contributors
- PETRIC Organisers
- MIC organisers  
*G. El Fakhri, K. Grogg, R. Engels*
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