

## COST Action CA24131

European Network for Radiation-Detection-based Research  
and Innovation addressing increasing societal Challenges -  
ENRICH

### 1 st Call for applications for hosting STSMs

<b>Host Organization</b> (Name, website)	University of Trieste, Dept. of Physics
<b>Location/Country</b>	Via A. Valerio 2, Trieste, Italy
<b>Short description of the activities that could be done during the period of stay</b>	Collaborating on new applications of existing imaging systems. Developing techniques, hardware, and software for image reconstruction and retrieval. Participating in seminars and networking
<b>Available Resources</b> (Laboratories, experimental set-ups, beamlines, spectrometers, software, etc....)	Advanced flexible X-ray imaging laboratories for tomographic applications. Spectral imaging and phase-contrast imaging techniques are implemented.
<b>Specific instrumental details</b> ( $\gamma$ -, X-ray Detectors, X-ray sources, data acquisition systems, etc.)	2 in-house built micro-CT systems including DAQ and reconstruction software  4 X-ray detectors (2 photon-counting/spectral, 1 flat panel, 1 microscope)  3 X-ray sources (1 liquid metal jet + 2 microfocal)
<b>Relevance with ENRICH WGs</b>	WG5
<b>Length of the STSM</b>	1 – 2 weeks
<b>Contact person</b> (name, surname, email)	Luca Brombal  Luca.brombal@ts.infn.it