<table>
<thead>
<tr>
<th>Presenter</th>
<th>Poster</th>
<th>Stand</th>
</tr>
</thead>
<tbody>
<tr>
<td>Alberti Roberto</td>
<td>DANTE, A Modular Digital Pulse Processor to Exploit CUBE Preamplifier Ultimate Energy Resolution and High-Count Rate Capability</td>
<td>34</td>
</tr>
<tr>
<td>Altissimo Matteo</td>
<td>Silicon Carbide membranes as substrate for Synchrotron measurements</td>
<td>24</td>
</tr>
<tr>
<td>Amati Matteo</td>
<td>Towards ambient pressure in the characterization of materials at the micro- and nano-scale by scanning photoemission imaging and spectromicroscopy</td>
<td>26</td>
</tr>
<tr>
<td>Andrianov Konstantin</td>
<td>Scanning X-Ray Microscopy with large solid angle X-Ray Fluorescence Detection at the XUV Beamline P04, DESY</td>
<td>12</td>
</tr>
<tr>
<td>Boesenberg Ulrike</td>
<td>Materials Imaging &amp; Dynamics instrument at the European XFEL</td>
<td>22</td>
</tr>
<tr>
<td>Boesenberg Ulrike</td>
<td>Characterization of a single shot spectrometer based on a bent diamond crystal</td>
<td>42</td>
</tr>
<tr>
<td>Bufon Jernej</td>
<td>A large solid angle multi-element Silicon Drift Detectors system for low energy X-ray fluorescence spectroscopy</td>
<td>35</td>
</tr>
<tr>
<td>Castillo-Michel Hiram</td>
<td>The ID21 beamline at ESRF: Sub-micron spectroscopy under cryo conditions for life and environmental sciences</td>
<td>27</td>
</tr>
<tr>
<td>Cipiccia Silvia</td>
<td>I13 beamline at Diamond Light Source (DLS) - Real and reciprocal space imaging</td>
<td>8</td>
</tr>
<tr>
<td>Dzhigaev Dmitry</td>
<td>X-ray Bragg Ptychography on a Single InGaN/ GaN Core-Shell Nanowire</td>
<td>3</td>
</tr>
<tr>
<td>Eba Hiromi</td>
<td>Confocal XRD observation of distribution of crystalline phases and orientations</td>
<td>10</td>
</tr>
<tr>
<td>Ferretti Marco</td>
<td>Structural optimization of a portable micro-XRF device</td>
<td></td>
</tr>
<tr>
<td>Guzzi Francesco</td>
<td>Machine Learning techniques for Coherent Diffraction Imaging problems: Preliminary results</td>
<td>6</td>
</tr>
<tr>
<td>Haidl Andreas</td>
<td>Fast X-Ray Detection using a CCD for Application in a Scanning Transmission X-Ray Microscope</td>
<td>16</td>
</tr>
<tr>
<td>Ignatyev Konstantin</td>
<td>XRF imaging on the Diamond microfocus spectroscopy beamline I18</td>
<td>15</td>
</tr>
<tr>
<td>Imai Yasuhiko</td>
<td>Automatic sample alignment system for nano-beam X-ray diffraction</td>
<td>25</td>
</tr>
<tr>
<td>Johansson Ulf</td>
<td>First results from the NanoMAX beamline at MAX IV</td>
<td>17</td>
</tr>
<tr>
<td>Kalasova Dominika</td>
<td>Phase-contrast 3D imaging of fibre-reinforced polymers: comparison of laboratory and synchrotron X-ray sources</td>
<td>9</td>
</tr>
<tr>
<td>Lazzarino Marco</td>
<td>Microfabricated wire scanner for photon beam characterization</td>
<td>41</td>
</tr>
<tr>
<td>Loetgering Lars</td>
<td>Compression and information recovery in ptychography</td>
<td>2</td>
</tr>
<tr>
<td>Mannatunga Kasun Sameera</td>
<td>Preliminary characterization at different energies of a new monolithic 8-channel Silicon Drift Detector for SESAME</td>
<td>40</td>
</tr>
<tr>
<td>Matruglio Alessia</td>
<td>Graphene liquid cells for multi-technique analysis of biological cells in water environment</td>
<td>5</td>
</tr>
<tr>
<td>Migliori Alessandro</td>
<td>Depth-resolved Analysis of Titanium Chemical Environments in Li-ion Battery Electrodes by using GI-RRS Combined with Multivariate Methods</td>
<td>4</td>
</tr>
<tr>
<td>Naumenko Denys</td>
<td>Transient optical response of Si3N4 films pumped with free-electron laser</td>
<td>13</td>
</tr>
<tr>
<td>Nisius Thomas</td>
<td>A flexible x-ray imaging endstation for synchrotron radiation facilities</td>
<td>20</td>
</tr>
<tr>
<td>Ohigashi Takuji</td>
<td>Advanced Analyses in Scanning Transmission X-ray Microscopy at UVSOR-III Synchrotron</td>
<td>11</td>
</tr>
<tr>
<td>O’Ryan Liam</td>
<td>Xpress 3 Mini Digital Pulse Processor</td>
<td>37</td>
</tr>
<tr>
<td>Redfern Del</td>
<td>New Developments in Multi-Sensor Silicon Drift Detectors</td>
<td>39</td>
</tr>
<tr>
<td>Sabbarese Carlo</td>
<td>Elemental analysis using ED-XRF and C-14 dating of Cuman wall paintings samples</td>
<td>31</td>
</tr>
<tr>
<td>Sarrazin Philippe</td>
<td>CartiX: Full-Field XRF for Cultural Heritage - Application to the study of a Caillebotte painting</td>
<td>32</td>
</tr>
<tr>
<td>Saveliev Valeri D</td>
<td>New Multi-Element SDD Spectrometers with Ultra-High Count Performance</td>
<td>38</td>
</tr>
<tr>
<td>Scordo Alessandro</td>
<td>VOXES, a new high resolution X-ray spectrometer for low yield measurements in high background environments</td>
<td>43</td>
</tr>
<tr>
<td>Sibilla Mirita</td>
<td>IAEA X-ray spectrometry end-station - XRF beamline of Elettra Sincratrione Trieste</td>
<td>23</td>
</tr>
<tr>
<td>Siddons D. Peter</td>
<td>Development of Silicon Drift Detector Array for the Maia X-ray Fluorescence Detector System</td>
<td>36</td>
</tr>
<tr>
<td>Smieska Louisa</td>
<td>Combined high-energy synchrotron scanning XRF and XRD for analysis of illuminated manuscript leaves</td>
<td>29</td>
</tr>
<tr>
<td>Šmit Žiga</td>
<td>Prehistoric glass beads from the head-of-the-Adria region must be added in the first day</td>
<td>30</td>
</tr>
<tr>
<td>Spáth Andreas</td>
<td>μ-XRF analysis of color brilliance and dyeing techniques in ancient wool carpet fibers</td>
<td>28</td>
</tr>
<tr>
<td>Stanescu Stefan</td>
<td>Controlled hydrodynamic flow liquid cell for soft X-ray transmission microscopy</td>
<td>7</td>
</tr>
<tr>
<td>Thànell Karina</td>
<td>The SoftiMAX Beamline at MAX IV Laboratory</td>
<td>14</td>
</tr>
<tr>
<td>Uffelman Erich</td>
<td>Bringing Macro XRF Scanning into Undergraduate Research and Education</td>
<td>18</td>
</tr>
<tr>
<td>Vadilonga Simone</td>
<td>Pulse picker driven by Surface Acoustic Waves</td>
<td>33</td>
</tr>
<tr>
<td>Zamboni Ivana</td>
<td>Micro analysis and imaging techniques using focused MeV ion beams</td>
<td>19</td>
</tr>
<tr>
<td>Zhang Yi</td>
<td>Towards in situ determination of 3D strain and reorientation in the interpenetrating nanofibre networks of cuticle</td>
<td>1</td>
</tr>
<tr>
<td>Presenter</td>
<td>Poster</td>
<td>Stand</td>
</tr>
<tr>
<td>--------------------</td>
<td>------------------------------------------------------------------------</td>
<td>-------</td>
</tr>
<tr>
<td>Silja Flenner</td>
<td>Orientation changes upon attachment of spider hairs investigated in situ using scanning X-ray nanobeam diffraction and small-angle scattering</td>
<td>11</td>
</tr>
<tr>
<td>Araujo Olga</td>
<td>Representative element volume in limestone sample</td>
<td>20</td>
</tr>
<tr>
<td>Araujo Olga</td>
<td>A palaeontology study by X-ray Microtomography</td>
<td>23</td>
</tr>
<tr>
<td>Azeredo Soria</td>
<td>Archaeological metallurgy analysis using X-ray digital radiography</td>
<td>24</td>
</tr>
<tr>
<td>Azzutti Claudia</td>
<td>Polycapillary X-ray Optics for Astrophysics Applications</td>
<td>36</td>
</tr>
<tr>
<td>Barroso Regina</td>
<td>SR-TXRF analysis of trace elements in whole blood and heart of rats: Effects of irradiation with low and high doses</td>
<td>15</td>
</tr>
<tr>
<td>Baumgärtel Peter</td>
<td>RAY-UI: Extensions compared to RAY</td>
<td>39</td>
</tr>
<tr>
<td>Bedolla Diana E</td>
<td>Effects of radiation damage on paraffin-embedded biological tissues due to soft X-rays exposure</td>
<td>21</td>
</tr>
<tr>
<td>Cherepennikov Yury</td>
<td>Microcapsular Based 3D X-Ray Imaging of Porous Organic Materials</td>
<td>42</td>
</tr>
<tr>
<td>Colaço Marcos</td>
<td>Virtual dissection of Thoropa miliaris tadpole using phase-contrast synchrotron microtomography</td>
<td>16</td>
</tr>
<tr>
<td>Falkenberg Gerald</td>
<td>Melanogenesis in the shielding pigment of larval ocelli of the midge Clunio studied by nano-XRF</td>
<td>7</td>
</tr>
<tr>
<td>Fidalgo Gabriel</td>
<td>Silicon based Kinoform Lenses and Related Methods Development at SSRF</td>
<td>31</td>
</tr>
<tr>
<td>Loechel Heike</td>
<td>Aberration corrected VLS gratings and reflection zone plates for X-ray monochromators and spectrometers</td>
<td>32</td>
</tr>
<tr>
<td>Lyatun Ivan</td>
<td>Optical properties of bulk and highly porous beryllium for hard X-ray applications</td>
<td>35</td>
</tr>
<tr>
<td>Mantuano Andrea</td>
<td>Elemental Distribution in Ascending Aortic after Radiotherapy and Chemotherapy by Low Energy X-ray Fluorescence Spectroscopy</td>
<td>12</td>
</tr>
<tr>
<td>Medvedeva Svetlana</td>
<td>X-ray interference thin films investigation technique based on compound refractive lens</td>
<td>34</td>
</tr>
<tr>
<td>Merolle Lucia</td>
<td>Mapping and quantification of fundamental life elements in thyroid cancer tissue</td>
<td>9</td>
</tr>
<tr>
<td>Narikovich Anton</td>
<td>X-ray computed microtomography as a diagnostic method of refractive optics</td>
<td>37</td>
</tr>
<tr>
<td>Niesee Sven</td>
<td>High precision X-ray multilayer mirrors for customized solutions</td>
<td>38</td>
</tr>
<tr>
<td>Pascolo Lorella</td>
<td>Morphological and chemical changes in vitrified ovarian tissues revealed by X-ray Microscopy and Fluorescence</td>
<td>13</td>
</tr>
<tr>
<td>Procopio Alessandra</td>
<td>Ultrastructural study of biomineralization process in human bone marrow mesenchymal stem cells during the osteoblastic differentiation</td>
<td>8</td>
</tr>
<tr>
<td>Santos Thais</td>
<td>Evaluation of acquisition parameters in X-ray computed microtomography to analysis of carbonatic rocks</td>
<td>25</td>
</tr>
<tr>
<td>Sarrazin Philippine</td>
<td>Map-X: 2D XRF for Planetary Exploration</td>
<td>2</td>
</tr>
<tr>
<td>Sena Souza Gabriela</td>
<td>Application of Synchrotron Radiation Phase Contrast Microtomography with Iodine Staining to Rhodnius prolixus head on the Ecdysis Period</td>
<td>17</td>
</tr>
<tr>
<td>Siewert Frank</td>
<td>The new BESSY-II Optics Laboratory - a Facility for Measuring ultra-precise X-Ray Optics</td>
<td>33</td>
</tr>
<tr>
<td>Simonovici Alexandre</td>
<td>Filling up the low Z elements XRF gaps using scattering in Earth and Planetary Sciences samples</td>
<td>5</td>
</tr>
<tr>
<td>Snigireva Irina</td>
<td>Polymer X-ray refractive nano-lenses made by additive technology</td>
<td>41</td>
</tr>
<tr>
<td>Spiers Kathryn</td>
<td>Synchrotron SXFM investigation of primed wheat: Iron distribution, speciation and radiation damage</td>
<td>4</td>
</tr>
<tr>
<td>Sung Nark-Eon</td>
<td>micro-XRF and micro-XAFS study of a wing of the Buprestis haemorrhoidalis</td>
<td>14</td>
</tr>
<tr>
<td>Surowka Artur</td>
<td>Complementary elemental and molecular brain tissue micro-imaging for unraveling the action of transcranial direct current stimulation in appetite control</td>
<td>22</td>
</tr>
<tr>
<td>Tardillo Suarez Vanessa Isabel</td>
<td>Ag nanoparticles and ions subcellular distribution and their impact on Hepatocyte functions revealed by nano-XRF microscopy</td>
<td>10</td>
</tr>
<tr>
<td>Van Espen Piet</td>
<td>MA-XRF investigation of the uniformity of aerosol filters.</td>
<td>3</td>
</tr>
<tr>
<td>Vogel-Mikus Katarina</td>
<td>Sub-cellular distribution and ligand environment of Cd in a Cd hyperaccumulator Noccaea praecox by micro-XRF and micro-XAS</td>
<td>1</td>
</tr>
<tr>
<td>Watts Benjamin</td>
<td>Controlling optics contamination at the SLS</td>
<td>28</td>
</tr>
<tr>
<td>Yan Hanfei</td>
<td>Achieving a diffraction-limited 12 nm focus with two crossed multilayer Laue lenses: alignment challenges and applications</td>
<td>27</td>
</tr>
<tr>
<td>Zouzula Alexey</td>
<td>Beam conditioning CRL optics at the MID instrument of European XFEL</td>
<td>29</td>
</tr>
<tr>
<td>Zverev Dmitrii</td>
<td>Hard X-ray bi-lens interferometer for phase-contrast imaging</td>
<td>30</td>
</tr>
<tr>
<td>Tunhe Zhou</td>
<td>At-wavelength metrology of X-ray mirrors using the speckle-based technique</td>
<td>43</td>
</tr>
</tbody>
</table>