Overview: Saturday, 31 Oct, 2020

SC - A

8:00 am

9:00 am

10:00 am

11:00 am

12:00 pm

1:00 pm

2:00 pm

3:00 pm

4:00 pm

SC - B

SC-1 – Machine Learning and Neuromorphic Computing in Nuclear Science

SC-2 – Fast timing detectors: materials and readout
## Overview: Sunday, 01 Nov, 2020

<table>
<thead>
<tr>
<th>Time</th>
<th>SC - A</th>
<th>SC - B</th>
</tr>
</thead>
<tbody>
<tr>
<td>8:00 am</td>
<td></td>
<td></td>
</tr>
<tr>
<td>9:00 am</td>
<td></td>
<td></td>
</tr>
<tr>
<td>10:00 am</td>
<td></td>
<td></td>
</tr>
<tr>
<td>11:00 am</td>
<td></td>
<td></td>
</tr>
<tr>
<td>12:00 pm</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1:00 pm</td>
<td>SC-3 – Scientific writing for journal papers and grant proposals</td>
<td>SC-4 – Integrated Circuits and Radiation Hardened Design for Nuclear Measurements</td>
</tr>
<tr>
<td>2:00 pm</td>
<td></td>
<td></td>
</tr>
<tr>
<td>3:00 pm</td>
<td></td>
<td></td>
</tr>
<tr>
<td>4:00 pm</td>
<td></td>
<td></td>
</tr>
<tr>
<td>5:00 pm</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
## Overview: Monday, 02 Nov, 2020

<table>
<thead>
<tr>
<th>Time</th>
<th>NSS - A</th>
<th>NSS - B</th>
<th>NSS - C</th>
<th>RTSD</th>
<th>POSTER - ALL</th>
<th>SC - A</th>
<th>SC - B</th>
</tr>
</thead>
<tbody>
<tr>
<td>8:00 am</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>9:00 am</td>
<td>NP-1 – NSS Plenary</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>10:00 am</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>11:00 am</td>
<td>Coffee Break</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>12:00 pm</td>
<td>NP-2 – NSS Plenary</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1:00 pm</td>
<td>NP-3 – NSS Plenary</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1:30 pm</td>
<td>Lunch Break</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2:00 pm</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>R-01 – RTSD Opening</td>
<td>N-01 – NSS Poster Session</td>
<td></td>
</tr>
<tr>
<td>3:00 pm</td>
<td>Coffee Break</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>4:00 pm</td>
<td>N-02 – Photodetectors 1</td>
<td>N-03 – Nuclear and High-Energy Physics 1</td>
<td>N-04 – Nonproliferation, National, and Homeland Security 1</td>
<td>R-02 – Pixel Detectors</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>5:00 pm</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>6:00 pm</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

SC-5 – PET Kinetic Modeling and Parametric Imaging
SC-6 – Hybrid nuclear medicine devices: instrumentation and application
### Overview: Tuesday, 03 Nov, 2020

<table>
<thead>
<tr>
<th>Time</th>
<th>Joint</th>
<th>NSS - A</th>
<th>NSS - B</th>
<th>NSS - C</th>
<th>RTSD</th>
<th>Poster - All</th>
<th>SC - A</th>
</tr>
</thead>
<tbody>
<tr>
<td>8:00 am</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>9:00 am</td>
<td></td>
<td>N-05 – Photodetectors 2</td>
<td>N-06 – Gaseous Detectors</td>
<td>N-07 – Neutron and Gamma Ray Imaging 1</td>
<td></td>
<td>R-03 – Perovskite Detectors</td>
<td></td>
</tr>
<tr>
<td>10:00 am</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Coffee Break</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>11:00 am</td>
<td>JS-1 – Joint Session NSS-MIC 1</td>
<td>N-08 – DAQ, Trigger and Front-End Systems 1</td>
<td>N-09 – Organic Scintillators 1</td>
<td>R-04 – Applications and Systems</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>12:00 pm</td>
<td>Lunch Break</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1:00 pm</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2:00 pm</td>
<td>JS-2 – Joint Session NSS-MIC 2</td>
<td>N-10 – Computational Methods</td>
<td>N-11 – Inorganic Scintillators 1</td>
<td></td>
<td></td>
<td>R-05 – RTSD Poster</td>
<td></td>
</tr>
<tr>
<td>3:00 pm</td>
<td>Coffee Break</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>4:00 pm</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>5:00 pm</td>
<td>JS-3 – Joint Session NSS-MIC-RTSD</td>
<td>N-12 – Detector Simulation</td>
<td>N-13 – Inorganic Scintillators 2</td>
<td></td>
<td></td>
<td>R-06 – EMPTY Session</td>
<td></td>
</tr>
<tr>
<td>6:00 pm</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
### Overview: Wednesday, 04 Nov, 2020

<table>
<thead>
<tr>
<th>Time</th>
<th>NSS - A</th>
<th>NSS - B</th>
<th>NSS - C</th>
<th>RTSD</th>
<th>POSTER - ALL</th>
<th>MIC - 1</th>
<th>MIC - 2</th>
<th>MIC - Ref</th>
<th>EXHIBITOR</th>
<th>SPECIAL</th>
</tr>
</thead>
<tbody>
<tr>
<td>8:00 am</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>9:00 am</td>
<td>N-14 – Nuclear and High-Energy Physics 2</td>
<td>N-15 – Analog and Digital Circuits: neutrino and space instrumentation</td>
<td>N-16 – Space Applications</td>
<td>R-07 – Semiconductor Detectors - Tribute to Robert McLaren</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>10:00 am</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>11:00 am</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>12:00 pm</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1:00 pm</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2:00 pm</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>3:00 pm</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>4:00 pm</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>5:00 pm</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>6:00 pm</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
# Overview: Thursday, 05 Nov, 2020

<table>
<thead>
<tr>
<th>Time</th>
<th>NSS - A</th>
<th>NSS - B</th>
<th>NSS - C</th>
<th>RTSD</th>
<th>POSTER - ALL</th>
<th>MIC - 1</th>
<th>MIC - 2</th>
<th>MIC - Ref</th>
<th>SPECIAL</th>
</tr>
</thead>
<tbody>
<tr>
<td>8:00 am</td>
<td>N-24 – Analog and Digital Circuits: HEP and multi-channel design</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>9:00 am</td>
<td>N-25 – Radiation Dosimetry and Reactor Applications</td>
<td>N-26 – Neutron and Gamma Ray Imaging 2</td>
<td>R-11 – Semiconductor Materials</td>
<td></td>
<td>M-04 – Clinical Emission Systems</td>
<td>M-05 – High-Resolution Imaging Systems</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>10:00 am</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Coffee Break</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>11:00 am</td>
<td>N-27 – Active interrogation methods and applications</td>
<td>N-28 – Nuclear and High Energy Physics 3</td>
<td>N-29 – Inorganic Scintillators 3 - Applications</td>
<td>R-12 – Semiconductor Materials 2</td>
<td>M-06 – New Radiation Detector Technologies for Medical Imaging II</td>
<td>M-07 – Tomographic Reconstruction Methods II</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>12:00 pm</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Lunch Break</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1:00 pm</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>M-Ref-2 – MIC - Refresher Course</td>
<td></td>
<td>WIE – Women in Engineering Luncheon</td>
</tr>
<tr>
<td>2:00 pm</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>3:00 pm</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>4:00 pm</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>5:00 pm</td>
<td>N-31 – Computational Techniques</td>
<td>N-32 – DAQ, Trigger and Front-End Electronics Systems 3</td>
<td>N-33 – Organic Scintillators 2</td>
<td>R-14 – RTSD Scientist Award</td>
<td></td>
<td>M-09 – Parametric imaging and Kinetic Modeling</td>
<td>M-10 – Corrections for Quantitative PET</td>
<td></td>
<td></td>
</tr>
<tr>
<td>6:00 pm</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Overview: Friday, 06 Nov, 2020

<table>
<thead>
<tr>
<th>Time</th>
<th>NSS - A</th>
<th>NSS - B</th>
<th>NSS - C</th>
<th>POSTER - ALL</th>
<th>MIC - 1</th>
<th>MIC - 2</th>
<th>MIC - Ref</th>
</tr>
</thead>
<tbody>
<tr>
<td>8:00 am</td>
<td>N-34 – DAQ, Trigger and Front-end Systems 4</td>
<td>N-35 – Neutron and gamma-ray detection</td>
<td>N-36 – Analog and Digital Circuits: fast timing and readouts</td>
<td></td>
<td>M-11 – Multi Modality Imaging Systems</td>
<td>M-12 – Assessment &amp; Comparison of Image Quality</td>
<td></td>
</tr>
<tr>
<td>9:00 am</td>
<td>Coffee Break</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>10:00 am</td>
<td>N-37 – NSS Plenary Closing Session</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>11:00 am</td>
<td>Lunch Break</td>
<td></td>
<td></td>
<td></td>
<td>M-13 – X-ray, CT and Other Imaging Technologies</td>
<td>M-14 – Imaging in Radiation Therapy, Image Guided Interventions</td>
<td></td>
</tr>
<tr>
<td>12:00 pm</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>M-Ref-3 – MIC - Refresher Course</td>
</tr>
<tr>
<td>1:00 pm</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2:00 pm</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>M-15 – MIC Poster Session III</td>
<td></td>
<td></td>
</tr>
<tr>
<td>3:00 pm</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>4:00 pm</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Coffee Break</td>
<td>M-16 – Signal Processing and Image Quality</td>
<td>M-17 – Quantitative Imaging and Positometry</td>
</tr>
<tr>
<td>5:00 pm</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>6:00 pm</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Overview: Saturday, 07 Nov, 2020

8:00 am - M-18 – Simulation & Modeling of Medical Imaging Systems

9:00 am - Coffee Break

10:00 am - M-19 – New Radiation Detector Technologies for Medical Imaging III

12:00 pm - Lunch Break

1:00 pm - M-20 – MIC - Closing Session