<table>
<thead>
<tr>
<th>DAY_1</th>
<th>Date: 04-03-2022 Venue: Sir J.C. Bose Memorial Complex, 5th floor, Main Building, SAMEER, MUMBAI</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Venue</strong></td>
<td><strong>Timings</strong></td>
</tr>
<tr>
<td>Conference Hall</td>
<td>9:30 A.M. - 11:00 A.M.</td>
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<tr>
<td></td>
<td>11:00 A.M. - 12:30 P.M.</td>
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<tr>
<td></td>
<td>12:30 P.M. - 2:00 P.M.</td>
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<tr>
<td>Board Room</td>
<td>2:00 P.M. - 3:30 P.M.</td>
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<td></td>
<td>3:30 P.M. - 5:00 P.M.</td>
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<td></td>
<td>5:30 P.M. - 7:00 P.M.</td>
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<td>9:30 A.M. - 11:00 A.M.</td>
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<td>11:00 A.M. - 12:30 P.M.</td>
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<td>1:30 P.M. - 3:00 P.M.</td>
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<td>3:30 P.M. - 5:00 P.M.</td>
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<td>7:30 P.M. - 8:30 P.M.</td>
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<table>
<thead>
<tr>
<th>DAY_2</th>
<th>Date: 05-03-2022 ONLINE on Virtual Conference Platform ‘vFAIRS’</th>
</tr>
</thead>
<tbody>
<tr>
<td>Auditorium</td>
<td>Welcome Address</td>
</tr>
<tr>
<td></td>
<td>9:00 A.M. - 9:30 A.M.</td>
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<tr>
<td></td>
<td>9:30 A.M. - 10:15 A.M.</td>
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<tr>
<td></td>
<td>10:15 A.M. - 10:30 A.M.</td>
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<tr>
<td>Auditorium</td>
<td>10:30 A.M.-10:45 A.M.</td>
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<tr>
<td>Auditorium</td>
<td>10:45 A.M. - 11:15 A.M.</td>
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<td>11:15 A.M. - 11:45 P.M.</td>
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<tr>
<td>Auditorium</td>
<td>11:45 A.M. - 12:00 P.M.</td>
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<td>12:00 P.M. - 12:15 P.M.</td>
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<tr>
<td>Auditorium</td>
<td>12:15 P.M. - 12:30 P.M.</td>
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<td>12:30 P.M. - 1:00 P.M.</td>
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<td>1:00 P.M. - 1:45 P.M.</td>
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<tr>
<td>Auditorium</td>
<td>3:45 P.M. - 4:15 P.M.</td>
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<td>2:15 P.M. - 2:45 P.M.</td>
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<td>2:45 P.M. - 3:15 P.M.</td>
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<td>2:00 P.M. - 2:15 P.M.</td>
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<tr>
<td>Auditorium</td>
<td>4:15 P.M. - 4:30 P.M.</td>
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<tr>
<td>Auditorium</td>
<td>5:30 P.M. - 6:00 P.M.</td>
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<td>5:00 P.M. - 5:30 P.M.</td>
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<td>4:30 P.M. - 5:00 P.M.</td>
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<td>4:30 P.M. - 5:00 P.M.</td>
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<td>6:00 P.M. - 6:30 P.M.</td>
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<td>6:30 P.M. - 6:45 P.M.</td>
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<td>6:45 P.M. - 7:00 P.M.</td>
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<td>7:00 P.M. - 7:15 P.M.</td>
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<td>7:15 P.M. - 7:30 P.M.</td>
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IEEE WRAP 2022 Dates: 4-6 March, 2022 Venue: SAMEER, MUMBAI
<table>
<thead>
<tr>
<th>Time</th>
<th>Location</th>
<th>Event</th>
<th>Speaker(s)</th>
<th>Presentation Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>9:00 A.M. - 9:30 A.M.</td>
<td>Auditorium</td>
<td>Public Talk</td>
<td>Dr. Naresh Chand, Associate Vice President, Chapter Relations, IEEE Photonics Society, USA</td>
<td>Challenges and path to reduce the cost of Photonics</td>
</tr>
<tr>
<td>9:30 A.M. - 10:00 A.M.</td>
<td>Auditorium</td>
<td>Optical Sensors</td>
<td>Prof. B D Gupta, IIT, Delhi, India</td>
<td>Optical fiber based plasmonic sensors for biomedical diagnostics (Invited Talk)</td>
</tr>
<tr>
<td>10:00 A.M. - 10:30 A.M.</td>
<td>Auditorium</td>
<td>Public Talk</td>
<td>Dr. Anand Asundi, d’Optron Pte Ltd, Singapore</td>
<td>Computational 3D Imaging (Invited Talk)</td>
</tr>
<tr>
<td>10:30 A.M. - 10:45 A.M.</td>
<td>Auditorium</td>
<td>Optical Sensors</td>
<td>Bharadwaj Peela, IIT, Hyderabad, India</td>
<td>Janus nanoparticles for dual wavelength surface enhanced Raman scattering applications</td>
</tr>
<tr>
<td>10:45 A.M. - 11:00 A.M.</td>
<td>Auditorium</td>
<td>Public Talk</td>
<td>Amit Patnaik, IIT Bombay, India</td>
<td>Direct Laser Written Multi-channel Optical Waveguide for Refractive Index Sensing</td>
</tr>
<tr>
<td>11:00 A.M. - 11:15 A.M.</td>
<td>Auditorium</td>
<td>Public Talk</td>
<td>Soma Saha, IIT Bombay, India</td>
<td>Tunable Photonic Platform using Optically Reduced Graphene Oxide</td>
</tr>
<tr>
<td>11:15 A.M. - 11:30 A.M.</td>
<td>Auditorium</td>
<td>Public Talk</td>
<td>Jagathpriya, IIT Hyderabad, India</td>
<td>Simulation and fabrication of multi-layer plasmonic substrates for potential SERS application</td>
</tr>
<tr>
<td>11:30 A.M. - 11:45 A.M.</td>
<td>Auditorium</td>
<td>Public Talk</td>
<td>Divagar M, IIT Madras, India</td>
<td>Plasmonic Fiberoptic competitive immnosensor: Proof-of-concept studies</td>
</tr>
<tr>
<td>11:45 A.M. - 3:00 P.M.</td>
<td>Poster Hall</td>
<td>POSTERS + LUNCH</td>
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<tr>
<td>3:00 P.M. - 3:30 P.M.</td>
<td>Auditorium</td>
<td>Photonics for Renewable Energy + Programmable Photonics</td>
<td>Dr. Niels Quack, The University of Sydney, Australia</td>
<td>Exploring Micro-Electro-Mechanical Systems in Silicon Photonics (Invited Talk)</td>
</tr>
<tr>
<td>3:30 P.M. - 4:00 P.M.</td>
<td>Auditorium</td>
<td>Photonics for Renewable Energy + Programmable Photonics</td>
<td>Prof. Yana Vaynzof, Dresden Technological University, Dresden, Germany</td>
<td>A Hybrid Approach to High Efficiency All-Inorganic Perovskite Solar Cells (Invited Talk)</td>
</tr>
<tr>
<td>4:00 P.M. - 4:30 P.M.</td>
<td>Auditorium</td>
<td>Photonics for Renewable Energy + Programmable Photonics</td>
<td>Dr. Danial Perez, iPRONICS, Spain</td>
<td>Programmable photonic integrated circuits: performance and scalability (Invited Talk)</td>
</tr>
<tr>
<td>4:30 P.M. - 5:00 P.M.</td>
<td>Auditorium</td>
<td>Photonics for Renewable Energy + Programmable Photonics</td>
<td>Prof. Lorenzo Pavesi, University of Trento, Italy</td>
<td>Neural networks integrated in silicon photonics (Invited Talk)</td>
</tr>
<tr>
<td>5:00 P.M. - 5:30 P.M.</td>
<td>Auditorium</td>
<td>Photonics for Renewable Energy + Programmable Photonics</td>
<td>Prof. Akshay Rao, UCAM, UK</td>
<td>Ultrafast Pump-probe Microscopy (Invited Talk)</td>
</tr>
<tr>
<td>5:30 P.M. - 6:00 P.M.</td>
<td>Auditorium</td>
<td>Photonics for Renewable Energy + Programmable Photonics</td>
<td>Tushar Gaur, IISc, India</td>
<td>Automated Route and Cycle Finding Algorithms for Programmable Photonic Integrated Circuits</td>
</tr>
<tr>
<td>5:45 P.M. - 6:00 P.M.</td>
<td>Auditorium</td>
<td>Photonics for Renewable Energy + Programmable Photonics</td>
<td>Amit Kumar, IISER Mohali, India</td>
<td>Weighted mutation assisted genetic algorithm focuses light tightly through scattering media.</td>
</tr>
<tr>
<td>6:00 P.M. - 6:15 P.M.</td>
<td>Auditorium</td>
<td>Photonics for Renewable Energy + Programmable Photonics</td>
<td>Ahna Sharan, ISM, Dhanbad, India</td>
<td>Analysis of quasi-Fermi level split in ratchet-type intermediate band solar cells</td>
</tr>
<tr>
<td>6:15 P.M. - 6:30 P.M.</td>
<td>Auditorium</td>
<td>Photonics for Renewable Energy + Programmable Photonics</td>
<td>Sudarshan Kumar, MNIT, Jaipur, India</td>
<td>Optical Studies of Cadmium Telluride based Solar Cell using Photonic Crystal as a back Reflector</td>
</tr>
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Panel Discussion & Valedictory Session