5th World Congress on Physics
July 17-18, 2018  Prague, Czech Republic
<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
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<tr>
<td>08:30 - 09:20</td>
<td>Registrations</td>
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<td></td>
<td><strong>Opening Ceremony</strong></td>
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<tr>
<td>09:20 - 09:30</td>
<td><strong>Keynote Forum</strong></td>
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<tr>
<td>09:30-10:15</td>
<td><strong>Title: Physics and Prague</strong></td>
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<td></td>
<td>Stefan Zajac, Czech Technical University, Czech Republic</td>
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<td>10:15-11:00</td>
<td><strong>Title: Topological study of the $\text{H}_3^{++}$ molecular system: $\text{H}_3^{++}$ as a cornerstone for building molecules during the Big Bang</strong></td>
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<td>Michael Baer, The Hebrew University of Jerusalem, Israel</td>
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<td>11:00 - 11:15</td>
<td>Group Photo and Refreshment Break</td>
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<tr>
<td>11:15-12:00</td>
<td><strong>Title: Fast reactor with liquid U-Pu fuel, its application and fuel cycle</strong></td>
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<td>Leonid Ponomarev, A.A.Bochvar High Technology Institute of Inorganic Materials, Russia</td>
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<td>12:00-12:45</td>
<td><strong>Title: Faraway particles have a strong and fast effect on molecular behavior</strong></td>
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<td>Andreas Pfennig, University of Liège, Belgium</td>
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<td>12:45-13:45</td>
<td>Lunch Break</td>
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<td>13:45-14:15</td>
<td><strong>Title: Vacuons and quasi-phonons: The hidden side of Bogoliubov collective excitations</strong></td>
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<td>Loris Ferrari, University of Bologna, Italy</td>
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<td>14:15-14:45</td>
<td><strong>Title: High-power short-pulsed microwave impingement on a high-pressure plasma ball in acoustic spherical resonance</strong></td>
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<td>Gilles Courret, University of Applied Sciences of Western Switzerland, Switzerland</td>
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<td>14:45-15:15</td>
<td><strong>Title: Designs of a reciprocal optical diode in silicon waveguide</strong></td>
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<td>Zhongyuan Yu, Beijing University of Posts and Telecommunications, China</td>
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<td>15:15-15:45</td>
<td><strong>Title: Theory of unidirectional and bidirectional forces and violation of third law of motion</strong></td>
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<td>Debijoti Biswadev Sengupta, Smt. Sulochanadevi Singhania School, India</td>
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<td>15:45-16:00</td>
<td>Refreshments Break</td>
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<td>16:00-16:30</td>
<td><strong>Title: Theoretical approaches to saturation and relaxation of congestion in TASEP (Totally Asymmetric Simple Exclusion Process) network with junctions with density-dependent rules</strong></td>
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<td>16:30-17:00</td>
<td><strong>Title: Ultra-broadband near-perfect solar absorber in the visible and near-infrared region</strong></td>
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<td>17:00-17:30</td>
<td><strong>Title: Exploring the unusual electronic and magnetic properties of the heterostructures based on 2D materials</strong></td>
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<td>17:30-18:00</td>
<td><strong>Title: Nonlinear quantum mechanics: A necessary result of development of quantum mechanics</strong></td>
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Panel Discussion

Awards and Closing Ceremony

Day 2 July 18, 2018

Networking 13:00-14:00 @ Mezzo Restaurant