

## Parallel Session: Physics Education

| PE          | Oct 20          | Oct 21                | Oct 22         | Oct 23           | Oct 24          |
|-------------|-----------------|-----------------------|----------------|------------------|-----------------|
| Chair       | Plenary Session |                       |                |                  | No PE           |
| 09:00-09:25 |                 |                       |                |                  |                 |
| 09:25-09:40 |                 |                       |                |                  |                 |
| 09:40-9:55  |                 |                       |                |                  |                 |
| 09:55-10:20 |                 |                       |                |                  |                 |
| 10:20-10:50 | Break           |                       |                |                  |                 |
| Chair       | Plenary Session | Qing Wang             | TBD            | TBD              | Plenary Session |
| 10:50-11:15 |                 | Qinghong Cao          | Bangfen Zhu    | Leong-Chuan Kwek |                 |
| 11:15-11:30 |                 | Muhammad Sabieh Anwar | Hideo Nitta    | Yu Hang Lai      |                 |
| 11:30-11:45 |                 | Wenling Wang          | Zhijian Li     | Avinash Sharma   |                 |
| 11:45-12:10 |                 | Sungmin Im            | Fumiko Okiharu | Xiaofeng Jin     |                 |
| 12:10-14:00 | Lunch           |                       |                |                  |                 |
| 13:00-14:00 | Poster          |                       |                |                  | Departure       |
| 14:00-17:35 | No PE           |                       |                |                  |                 |

## Parallel Session: Physics Education

**Date: October 21**

| chair       | Qing Wang(Tsinghua University)                                       |                                                                                               |
|-------------|----------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|
| 10:50-11:15 | Qinghong Cao<br>Peking University                                    | Progress and Prospects of the Physics<br>"101 Plan"                                           |
| 11:15-11:30 | Muhammad Sabieh Anwar<br>Lahore University of<br>Management Sciences | Easy-to-do single photon experiments for<br>quantum education                                 |
| 11:30-11:45 | Wenling Wang<br>Beihang University                                   | Reform and Exploration of the<br>AI-Enhanced Data-Driven Physics<br>Experiment Teaching Model |
| 11:45-12:10 | Sungmin Im<br>Daegu University                                       | Quantum Classrooms for All: Case<br>Studies and Initiatives                                   |

**Date: October 22**

| chair       | TBD                                           |                                                                                                  |
|-------------|-----------------------------------------------|--------------------------------------------------------------------------------------------------|
| 10:50-11:15 | Bangfen Zhu<br>Tsinghua University            | TBD                                                                                              |
| 11:15-11:30 | Hideo Nitta<br>Tokyo Gakugei University       | Gender Gap Observed in Japanese<br>Physics Standard Surveys                                      |
| 11:30-11:45 | Zhijian Li<br>Shanxi University               | Exploration and Practice on Cultivating<br>Top-notch Students in Physics at Shanxi<br>University |
| 11:45-12:10 | Fumiko Okiharu<br>Tokyo University of Science | Exploring Students'Difficulties in<br>Understanding Physics through Multiple<br>Representations  |

**Date: October 23**

| Chair       | TBD                                                                                             |                                                                     |
|-------------|-------------------------------------------------------------------------------------------------|---------------------------------------------------------------------|
| 10:50-11:15 | Leong-Chuan Kwek<br>National University of<br>Singapore and Nanyang<br>Technological University | Quantum Science and Engineering in<br>STEM Education                |
| 11:15-11:30 | Yu Hang Lai<br>The Chinese University of<br>Hong Kong                                           | Synchronization in Coupled Oscillators for<br>Undergraduate Studies |
| 11:30-11:45 | Avinash Sharma<br>SOUTH ASIAN UNIVERSITY                                                        | SCIENCE OF INNOVATION: Towards<br>Developing a theory of Innovation |
| 11:45-12:10 | Xiaofeng Jin<br>Fudan University                                                                | Case Study As A Way To Learn Physics                                |