

## Plenary Sessions

*Taishan Grand Ballroom*

|               | October 20 Monday           | October 21 Tuesday     | October 22<br>Wednesday | October 23 Thursday | October 24Friday |
|---------------|-----------------------------|------------------------|-------------------------|---------------------|------------------|
| Chair         | Tao Xiang                   | Kuijuan Jin            | Donglai Feng            | Qingyu Cai          |                  |
| 9:00 - 9:40   | Opening                     | Rajdeep Singh<br>Rawat | Shuyun Zhou             | Yew San Hor         |                  |
|               | AAPPS: H. J. Choi           |                        |                         |                     |                  |
|               | CPS: Jie Zhang              |                        |                         |                     |                  |
|               | Hainan U:Qing-Ming Luo      |                        |                         |                     |                  |
|               | Chair: Jae-Hyung Jeon       |                        |                         |                     |                  |
|               | C.N. Yang Award<br>Ceremony |                        |                         |                     |                  |
| 9:40 - 10:20  | Jian-Wei Pan                | Xingao Gong            | Tadashi Takayangi       | Satoki Matsushita   |                  |
| Tea Break     |                             |                        |                         |                     |                  |
| Chair         | Kadyr G. Gulamov            |                        |                         |                     | Hiroyuki Nojiri  |
| 10:50 - 11:30 | Masahito Ueda               |                        |                         |                     | Hyoung Joon Choi |
| 11:30 - 12:10 | Kevin Insik Hahn            |                        |                         |                     | Closing          |
| Lunch Break   |                             |                        |                         |                     |                  |

## Plenary Sessions

*Taishan Grand Ballroom*

**Date: October 20**

| Opening/CN Yang Award Ceremony |                                                                  |                                                                                             |
|--------------------------------|------------------------------------------------------------------|---------------------------------------------------------------------------------------------|
| Chair                          | Tao Xiang                                                        |                                                                                             |
| 9:00-9:40                      | H. J. Choi                                                       | AAPPS President                                                                             |
|                                | Jie Zhang                                                        | CPS President                                                                               |
|                                | Qing-Ming Luo                                                    | President of Hainan University                                                              |
|                                | Jae-Hyung Jeon                                                   |                                                                                             |
|                                | C. N. Yang Award Ceremony                                        |                                                                                             |
| 9:40-10:20                     | Jian-Wei Pan<br>University of Science and<br>Technology of China | Dream or Reality: Quantum Information<br>Processing the Past, Present and Beyond            |
| 10:20-10:50                    | Break                                                            |                                                                                             |
| Chair                          | Kadyr G. Gulamov                                                 |                                                                                             |
| 10:50-11:30                    | Masahito Ueda<br>Tokyo University                                | Beyond Hermitian Quantum Physics                                                            |
| 11:30-12:10                    | Kevin Insik Hahn<br>IBS, Korea                                   | First experiments using the RAON<br>accelerator facility and research activities at<br>CENS |

**Date: October 21**

| Chair       | Kuijuan Jin                                                |                                                                                                      |
|-------------|------------------------------------------------------------|------------------------------------------------------------------------------------------------------|
| 9:00-9:40   | Rajdeep Singh Rawat<br>Nanyang Technological<br>University | Non-conventional application of pulsed high<br>energy density plasma for novel material<br>synthesis |
| 9:40-10:20  | Xingao Gong<br>Fudan University                            | AI Physics and Materials Design                                                                      |
| 10:20-10:50 | Break                                                      |                                                                                                      |

## Plenary Sessions

*Taishan Grand Ballroom*

**Date: October 22**

| Chair       | Donglai Feng                                            |                                                                                                |
|-------------|---------------------------------------------------------|------------------------------------------------------------------------------------------------|
| 9:00-9:40   | Rajdeep Singh Rawat<br>Nanyang Technological University | Non-conventional application of pulsed high energy density plasma for novel material synthesis |
| 9:40-10:20  | Xingao Gong<br>Fudan University                         | AI Physics and Materials Design                                                                |
| 10:20-10:50 | Break                                                   |                                                                                                |

**Date: October 23**

| Chair       | Qingyu Cai                                |                                                                                           |
|-------------|-------------------------------------------|-------------------------------------------------------------------------------------------|
| 9:00-9:40   | Yew San Hor<br>Missouri University of S&T | Rethinking the Foundations of Quantum Mechanics through the Interconnectedness of Fields. |
| 9:40-10:20  | Satoki Matsushita<br>ASIAA                | Imaging Black Hole Shadows                                                                |
| 10:20-10:50 | Break                                     |                                                                                           |

**Date: October 24**

| Chair       | Hiroyuki Nojiri                       |                                            |
|-------------|---------------------------------------|--------------------------------------------|
| 10:50-11:30 | Hyoung Joon Choi<br>Yonsei University | Materials properties from first principles |
| 11:30-12:10 | Closing                               |                                            |