



Organization Committee Chair's report-AOCNS 2023

The 4th Asia-Oceania Conference on Neutron Scattering (AOCNS 2023) was held in Dongguan, between 2nd and 8th of December, 2023. The conference was hosted by the Chinese Neutron Scattering Society (CNSS), with the support of China Spallation Neutron Source (CSNS) and Asia-Oceania Neutron Scattering Association (AONSA).

In total, AOCNS 2023 was attended on site by 337 attendees, researchers, students and experts from the industry, attending a combined 212 presentation (169 oral presentation and 43 posters). The oral presentations were also live streamed, with a peak view count of 43725. Some of these presentations were also uploaded online, with the consent of the presenter.





The AOCNS 2023 was divided into multiple streams; the facilities directors meeting and executive committee meeting was followed by instrument scientist workshop ran as 5 parallel sessions (N1-N5), covering a range of neutron scattering techniques in neutron diffraction, inelastic neutron scattering, small angle neutron scattering, neutron reflectometry and engineering diffraction and neutron imaging.

Similarly the scientific parallel sessions were also divided into 5 parallel streams covering different aspects of research that benefit from the use of neutron scattering

(M1-M5). These topics include condensed matter physics, materials science and chemistry, soft matter and life science, engineering and industrial applications and fundamental physics, sources, methods and techniques.

The seminar started each day with plenary talks (6), followed by keynotes (18) at noon, with invited (71) and contributed talks (69) in between. Special seminars were also held for the neutron facilities in the Asia-Oceania region, including CSNS in China, JRR3 in Japan, ANSTO OPAL in Australia, and HANARO facility in Korea.

The AONSA Prize was presented to Emeritus Professor Yasuhiko Fujii, for his outstanding achievements of structural and dynamic study of phase transition in condensed matter using neutron scattering, promotion of neutron science in Japan and national neutron source user program, as well as promotion of neutron science in the Asia-Oceania region.

During the conference we also visited the CSNS, the first spallation neutron source

in China. In the tour the attendees walked through all the current and commissioning instruments at CSNS, with the demonstration made by the instrument science teams allowing direct discussion about the instruments, its plans and its capabilities. The visit to CSNS was followed by banquet dinner which included traditional Chinese performances.



As this was the first AOCNS post-COVID lockdown, we also organized tours in Dongguan city, with the aid of the Dongguan government. Participants of the tour enjoyed traditional local brunch of Yum Cha, then visited the Nansha Ming/Qing dynasty ancient village.

With the closing of AONCS 2023, the local organization committee once again thanked everyone for the support of the successful conference, and announced the 5th AOCNS to be held in Mumbai, India. We look forward to the upcoming AOCNS in Mumbai.

