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# ICSSUR 2017: The 15th International Conference on Squeezed States and Uncertainty Relations

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The 15th International Conference on Squeezed States and Uncertainty Relations (ICSSUR 2017) was held at Ramada Plaza Jeju Hotel in Jeju in 2017 (August 28 – September 1). The 15th conference was sponsored in part by the Asia Pacific Center for Theoretical Physics (APCTP). This series of conferences started as a meeting on optical quantum measurements in 1991 at College Park, Maryland, USA. The conference has been enlarged and has started to involve from quantum optics to quantum atom optics and quantum information. Along this line of development, the organizing and program committee of ICSSUR 2017 tried to cover both the traditional topics of quantum optics and current developments in quantum technologies for the 15th meeting. The main goal of ICSSUR 2017 was to bring together scientists working in the aforementioned fields and related areas to exchange and develop new ideas. Another important objective of the conference was to build up a strong international network in these fields and to take the lead in future research directions.

In preparation for the conference, 11 local researchers in Korea, including myself, formed the organizing and program committee, and took a leading role in constructing the program and organizing the conference. Substantial efforts were made by the organizers to ensure the success of this conference. 24 eminent and senior members in the field, such as Prof. Serge Haroche (2012 Nobel Laureate) and Prof. J. Ignacio Cirac, joined the international advisory committee, together with Prof. Young Suh Kim, who initiated this series of conferences in 1991. The international advisory committee identified not only renowned researchers in the field but also young and promising candidates and recommended them to be invited speakers to the organizing and program committee. The international advisory committee further advised the organizers regarding future-oriented structuring of the conference.

Consequently, up-to-date research results in the field of quantum optics and quantum information were present-

ed through 34 invited talks, 40 contributed talks, and 47 posters. The organizers are proud of the indispensable and valuable contributions of the invited speakers and advisory committee members. We received excellent contributed submissions and as a result, oral and poster presentations were of exceptionally high quality. The poster session on the second day was extremely successful. The session was crowded and many individuals were engaged in lively discussions. Although the deliberation process for the organizers was difficult, as there were many qualified presentations, seven posters were ultimately selected for awards.

A total of 150 attendees joined the conference from 22 countries in Asia, Europe, North and South America, and Australasia. Most of participants kept their seats in the conference from the very beginning to the last session, which indicates their keen interest in all of the programs. The Korean traditional performance at the banquet and the excursion on the last day of the conference to Udo Island, Jeju Folk Village Museum and Sangumburi Crater were well received, particularly by overseas participants. At the end of the conference, many participants expressed their appreciation of the excellent presentations, appropriate topics, opportunities to meet and discuss with leading researchers in the field, and the pleasant atmosphere of the conference. It seemed that they were already anticipating the next ICSSUR.

Further information on the event can be found at: [www.icssur2017.org](http://www.icssur2017.org)



**Hyunseok Jeong** is a professor in physics at Seoul National University. After receiving his PhD at Queen's University Belfast, he worked at the University of Queensland in Brisbane before joining the Department of Physics and Astronomy at Seoul National University in 2008. He served as the conference chair of ICSSUR 2017.