

February 25, 2021

19th International Conference on Ion Sources – ICIS'21

First Announcement

Dear Colleagues,

The ICIS'21 is the 19th event in a biennial series of conferences that are dedicated to ion sources and their applications. The 19th ICIS was supposed to be held from September 19-24, 2021 in Victoria, BC, Canada, hosted by TRIUMF (www.triumf.ca), Canada's Particle Accelerator Centre. This would be the second time that ICIS is hosted by TRIUMF, 26 years after the ICIS'95 in Whistler.

TRIUMF employs a unique accelerator complex that comprises high intensity driver beams for secondary particle production and a world class rare isotope facility - ISAC. TRIUMF operates high intensity H⁻ sources, several stable beam sources, and target ion sources for rare isotope beam production. Three charge state breeders, an operational ECRIS based charge state booster (CSB) and two EBIS based charge state breeders provided by the CANREB project and an operational device, developed for the TITAN facility, complete the ion source infrastructure.

The International Advisory Committee (IAC) of ICIS'21 had to make the difficult decision to postpone the next in-person conference to 2023 and a smaller fully virtual conference hosted by TRIUMF will be held this year, September 20-24. The ICIS'21 IAC has approved this decision, whilst also deciding that postponing the conference for a single year to 2022 would not be favourable, owing to potential complications with other large conferences which are also scheduled for late-summer and Autumn, 2022.

In order to reduce the dramatic impact on the exchange of scientific advances and the promotion of new ion source developments, the best solution is a 'Virtual ICIS Event', which can accommodate a significant fraction of the planned ICIS'21 scientific programme. Whilst details are still being developed and finalised, it is proposed to host a Zoom-based multi-day programme over the same original dates. For poster sessions and the coffee breaks, we will consider a virtual space like Gathertown (<https://gather.town/>) to meet and discuss. The best time for the event will encompass a suitable time for all regions. More information can be found soon on the ICIS'21 website.

The virtual ICIS'21 will offer plenary sessions of invited and contributed oral presentations. Two poster sessions will be arranged on Tuesday and Thursday respectively. A student poster award is planned for this ICIS'21, sponsored by TRIUMF. The scientific programme will cover themes of ion source science and technology that are relevant to the production of ion beams for scientific research and for applications. ICIS traditionally addresses

- Fundamental processes in ion sources, plasma
- Production of high intensity ion beams
- Production of highly charged ion beams
- Negative ion sources
- Ion sources for fusion
- Polarized ion sources
- Radioactive ion sources and charge breeders
- Beam formation, extraction, transport, and diagnostics
- Applications of ion sources
- Key technologies for ion sources

We plan to provide the opportunity for peer reviewed publication in a journal to be determined. We will publish a high-level programme and information about the registration soon on the website. The registration fee will be announced on the website as well.

We look forward to seeing you 'virtually' in September 2021.

Oliver Kester
Associate Laboratory Director - Accelerator Division, TRIUMF
Chair of ICIS'21

for the Local Organizing Committee (LOC):

Friedhelm Ames
Silke Bergelt-Bruckner
Jana Thomson
Brad Schultz
Christopher Charles
Carla Babcock
Francis Pau