



XXIII INTERNATIONAL WORKSHOP ON ECR ION SOURCES

10 – 14 September 2018
Catania, Italy

SCIENTIFIC PROGRAMME

- Fundamental processes
- Production of highly charged ion beams
- Production of high intensity ion beams
- Radioactive Ion Beams and charge breeders
- Controls and diagnostics
- Codes and simulations
- Beam extraction and transport
- Industrial application of new technologies

INTERNATIONAL ADVISORY COMMITTEE

Luigi Celona | Chair, INFN-LNS, Italy
Sandor Biri | ATOMKI, Hungary
Atsushi Kitagawa | NIRS-QST, Japan
Hannu Koivisto | JYFL, Finland
Guillaume Machicoane | NSCL-MSU, USA
Takahide Nakagawa | RIKEN, Japan
Vadim Skalyga | IAP-RAS, Russia
Thomas Thullier | LPSC, France
Klaus Tinschert | GSI, Germany
Richard C. Vondrasek | ANL, USA
Mi-Sook Won | KBSI, South Korea
Daniel Xie | Lawrence Berkeley Lab, USA
Hong-Wei Zhao | IMP, China



Second Announcement

ecris18.lns.infn.it





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INTERNATIONAL ORGANIZING COMMITTEE

Luigi Celona	(Chair, INFN-LNS, Italy)
Sandor Biri	(ATOMKI, Hungary)
Atsushi Kitagawa	(NIRS, Japan)
Hannu Koivisto	(JYFL, Finland)
Guillaume Machicoane	(NSCL-MSU, USA)
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Vadim Skalyga	(IAP-RAS, Russia)
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Mi-Sook Won	(KBSI, South Korea)
Daniel Xie	(Lawrence Berkeley Lab, USA)
Hong-Wei Zhao	(IMP, China)

LOCAL ORGANIZING COMMITTEE

Gaetano Agnello	(INFN-LNS)
Giuseppe Castro	(INFN-LNS)
Giacomo Cuttone	(INFN-LNS)
Santo Gammino	(INFN-LNS)
David Mascali	(INFN-LNS)
Lorenzo Neri	(INFN-LNS)
Pietro Pisciotta	(Univ. of Catania and INFN-LNS)
Gino Sorbello	(Univ. of Catania and INFN-LNS)
Giuseppe Torrisi	(INFN-LNS)



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Conference presentation

The 23rd International Workshop on Ion Sources (ECRIS'18) will be held in Catania, placed at the foot of the Etna Volcano – the highest and most active of Europe – in a city that is now experiencing its third millennium of history, since its establishment in 730 BC.

The workshop will take place in the halls of the Catania Diocesan Museum, located in the heart of the old city, with several archaeological and cultural attractions situated in the nearby.

The [Laboratori Nazionali del Sud](#) of [Istituto Nazionale di Fisica Nucleare](#) (INFN-LNS) is in charge of the organization of this event, aimed to highlight the state of the art in Ion Sources Science & Technology and to reinforce the common ground and synergies among the different actors in the field.

About 100 experts in the field of ion sources, particle accelerators, ion implantation, beam optics, fusion research, etc. are expected from all over the world.

Scientific programme

The ECRIS'18 scientific programme will cover themes of the ion sources science and technology that are relevant to the production of beams for scientific research and for applications. The complete technical programme as well as the details of the conference events, including the companion programme, will be available in June. Hereinafter the main topics are reported:

- Fundamental processes;
- Production of highly charged ion beams;
- Production of high intensity ion beams;
- Industrial application of new technologies
- Radioactive Ion Beams and charge breeders;
- Controls and diagnostics;
- Codes and simulations;
- Beam extraction and transport;



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Sessions

Oral

All oral presentations will take place from Monday to Thursday in the hall of the Catania Diocesan Museum, located in the heart of the old city, except for the closing session which will be held at INFN-LNS in Catania.

A total time of 20 minutes (17'+3' for discussion) will be allotted for each oral contribution.

All the speakers and chairmen will be requested to respect this tight schedule, not exceeding their time. The workshop will benefit of this respect.

The following presentation devices will be available at the oral presentation sessions during the workshop: LCD screen projector displaying your presentations, a laptop computer for uploading your presentation from CD or memory stick and a laser pointer.

A laptop computer operating under Windows will be available for the electronic presentations. The following software will be installed in the computer: MS Office Suite (Powerpoint, Word,...) and Adobe Acrobat.

You can upload your presentation into the conference laptop during the workshop, but all the speakers will be requested to upload the presentations (at the very latest) one session before their scheduled presentation time. Session chairmen will coordinate with the speakers and the assigned working staff. Please contact them just before the session with your talk starts.

If you are selected as speaker at the Monday morning session, please upload your presentation during the get-together Welcome Reception on Sept. 9th or not later than 8:30 in Sept. 12th.

Poster

The poster sessions will be held on three afternoons. The posters should be displayed for the whole day of the assigned session and should be removed at the end of the session or before 8.45 a.m. of the following day. At least one author should be present during the poster session. Useful poster board dimensions will be 90 cm times 150 cm. Mounting material will be available. More detailed information will be given in the final announcement.



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Abstract submissions & Manuscript preparation

All contributions to ECRIS2018 will be managed using the JACoW Scientific Programme Management System (SPMS). All primary authors must own a profile and associated account within the JACoW repository, before submitting an abstract.

Use the link <https://oraweb.cern.ch/pls/ecris2018/profile.html> and follow the instructions to check whether you already have a JACoW profile and associated account. Create them if necessary.

All the abstracts will be reviewed by the International Advisory Committee and the acceptance notification will be mailed before July 2nd, indicating whether they are allocated for oral presentation or for posters (the submitting author should clearly indicate her/his preference).

Five pages will be allocated for all the contributed papers. No distinction will be made between oral and poster presentations in the conference proceedings.

Detailed instructions for the abstract submission and manuscripts preparation are published on the ECRIS 18 website.

Registration & Hotel accommodation

The registration form will be also managed through the JACoW Scientific Programme Management System (SPMS) or by following the appropriate link in the ECRIS 18 website. The conference fee is payable in Euro (€) and it includes:

- materials of the conference including the abstract book,
- the welcome reception (Sunday 9th),
- all coffee breaks,
- the conference excursion (Wednesday 12th, light lunch & dinner included)
- the conference banquet (Thursday 13th),
- visit of the Laboratori Nazionali del Sud of INFN in Catania (Friday 14th) and a night view of Catania downtown. (Lunch included)

The full fee is €500,00 (€450,00 before July 15th) while the discounted fee for students and retiree is €350,00 (€300,00 before July 15th).



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Students must send to the address: ecris18@lns.infn.it, along with their registration form, a letter of support by their Head of Department or Supervisor, specifying their status and eligibility. The accompanying person registration fee is €200,00 and it includes the social dinner and the other social events.

The payments should be done exclusively in Euro by credit card through the ECRIS18 website or by bank transfer (coordinates are reported in the registration form).

The same form of the registration can be used for the hotel accommodation. Shougun Viaggi, the official Travel Agent for the Conference, has a limited number of reduced-rate hotel rooms.

The hotels proposed in the form are located close to the Diocesan Museum and they can be easily reached from the Catania "V. Bellini" airport. A regular public bus service called "ALIBUS" operated by [AMT](#) connects with the Catania downtown at €4 (one way). The bus stop "STESICORO" is the one closer to Diocesan Museum (600 m) and to the hotels.

Since September is still high season for vacations in Sicily, Hotel applications should be submitted not later than **July 30th**. After this date, the requests will be handled on "first come, first served basis" and will be subject to availability.

Hotel reservations must be guaranteed with a credit card and they will be confirmed only if all details are fully supplied to Shougun Viaggi. Credit Card will be processed only in case of cancellation or no-show. For cancellations received in writing before the arrival date one night penalty will be charged; no-shows will be subject to 100% penalty.

In case of cancellation, a written notification should be sent to the Shougun travel Agency (a.romeo@shougun.it) and to the ECRIS 2018 organizers by writing to ecris18@lns.infn.it.

The following cancellation fees will be expunged prior to any refund:

NOTICE GIVEN	CANCELLATION FEE
Before July 30 th ,	No fee
Before September 2 nd	50% cancellation fee
After September 2 nd	No refund



Geller Prize



We are very pleased to announce that **Pantechnick** will again be sponsoring the Geller prize for this conference cycle. This prize will reward the most outstanding recent achievement in the field of ion source physics and technology. This prize will be awarded for the sixth time and it has been established by Pantechnik 10 years ago, during the 18th ECRIS Workshop in Chicago (USA, 2008). An ad-hoc Geller Prize Award Committee will choose the winner of the Richard Geller Prize. We encourage the Community to identify worthy candidates (who will be under 41 years by December 31, 2018), and to submit a one page description of the nominee's research work and up to three additional references to the members of the selection committee:

Santo Gammino	(INFN-LNS, Italy)
Takahide Nakagawa	(RIKEN, Japan)
Vadim Skalyga	(IAP-RAS, Russia)
Thomas Thuiller	(LPSC, France)
Mi-Sook Won	(KBSI, South Korea)
Daniel Xie	(Lawrence Berkeley Lab, USA)
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Scientific and Industrial exhibition

An exhibition of industrial products that are relevant for to the Ion Source community will take place during the days of the workshop in the area adjacent to talk and coffee breaks. Companies which are interested to rent booths for exhibition or want to support the event as a sponsor can find detailed information by downloading the exhibitor booklet on the ECRIS 2018 website.



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Conference venue



Most of the old city of Catania is included by UNESCO in the World Cultural Heritage list: the “Late Baroque Towns of the Val di Noto (South-Eastern Sicily)”. The Diocesan Museum of Catania is housed in the Palazzo del Seminario dei Chierici (Clerics’ seminary), adjacent to the Cathedral of Sant’Agata, right in the hearth of the city, facing the baroque-style square of the “Elephant”. From the museum you can access the terrace of the Palazzo del Seminario dei Chierici and Porta Uzeda, where you can admire two wonderful views. On one side the Duomo square, with the Elephant Fountain (which is the symbol of the city), Via Etnea with Mount Etna in the background. On the other side: the walls of Charles V, the port of Catania with the “Archi della Marina” and lastly the medieval “Castello Ursino”. Also from the museum you can access the beautiful complex of the underground “Terme Achelliane” – a former roman thermal bath – and make a journey into the bowels of the city, where the river Amenano flows on the surface in the nearby Amenano Fountain. The location will permit an easy access to the major archaeological attractions of the city, a real baroque gem, midway between the two ancient cities of Syracuse and Taormina..



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VISA Information

The ECRIS conference is usually attended by scientists coming from several Countries of the five continents. Participants coming from European Union (EU) can travel in Italy with normal passport or regular identification document. Visitors who come from nations which do not belong to EU must be present in Italy under an appropriate visa. The information presented here will help you to identify the appropriate documentation and to apply for necessary visas.

Several non European Countries have stipulated special agreements protocols with the Italian government, and they do not need any visa. A definitive list of these nationals is not available, because Countries can be added or removed from the list according to the political situation and diplomatic relationships. Citizens of USA, Canada, Japan, Australia and some countries of east Europe and north Africa do not need any visa to enter Italy and Countries of the Schengen area.

We definitely suggest to visit the following link to check if you need a visa:

<http://vistoperitalia.esteri.it/home/en>

The website will give all the instructions to get the visa for your trip.

Please, take note that for some Countries the time needed to get the visas is of the order of 2 months. Therefore we warmly suggest to apply within May.

In any case, visa for tourism purposes should be required. They allow a permanence of 90 days in Italy or other EU Countries.

On request, an official letter of invitation will be sent to any participant for obtaining visa, provided that it does not imply any obligation or funding. Requests should be directed to the [Chairman](#) before May 31th, 2018.

Weather

Catania enjoys a mild and comfortable climate throughout the year with average temperatures ranging from 5°C during the winter to 32°C in the summer. The weather conditions in September are fairly nice, with temperatures ranging from 17°C to 29°C.



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Social events and entertainment

WELCOME RECEPTION

The welcome reception will be held on Sunday September 9, 2018, 8.30 p.m., at the Diocesan Museum.

VISIT

A visit to the Laboratori Nazionali del Sud, Catania, will be organized on Friday September 14th, 2018. Before the Laboratory visit an informal buffet will be given. The closing session will be followed by a short tour of Catania.

CONFERENCE DINNER

The conference banquet will be held on Thursday September 13th, 2018. More details will be given in the Final Announcement.

CONFERENCE EXCURSION

An excursion to the South of Sicily will be organized for the attendees and the companions on Wednesday September 12th, 2018.

A dinner will be organized in a typical Sicilian farm and wine tasting will be a nice ingredient of the excursion. More details will be available in the Final Announcement, but not everything will be disclosed: Sicily a land of Phoenicians, Greek and Roman myths and legends and you will find additional surprises.

Updated information and news will be posted on the website, please check it periodically.

Companion programme will be given in the Final Announcement. Post conference tours can be arranged on demand by Shougun.



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Insurance

Attendees have to take care of their health insurance. No responsibility can be taken by the organizers.

Contact information

For any question, please contact the organization to the e-mail address: ecris18@lns.infn.it.