



First Announcement

ICPEAC XXX

INTERNATIONAL CONFERENCE ON PHOTONIC,
ELECTRONIC AND ATOMIC COLLISIONS



Cairns, Tropical Queensland, Australia,
July 26 – August 1, 2017



for more information, visit us online:
WWW.ICPEAC30.EDU.AU

What is the conference?

The 30th International Conference on Photonic, Electronic and Atomic Collisions (ICPEAC XXX) will continue the nearly sixty-year history of the ICPEAC series which began in New York, USA, in 1958 and which has been held biennially since then.

The conference regularly attracts more than 500 participants from all over the globe. In 2017, Australia gratefully receives the baton from Spain and after an exciting event we look forward to handing it over to France in 2019.

ICPEAC XXX in Australia will be an outstanding event. From the gorgeous Cairns sunshine to the world class, high quality scientific program that the International Program Committee has brought together; from a fun, memorable social program, including numerous tropical Queensland attractions, to a large trade exhibition showcasing Australian and international products and services. Modern communication technologies will be used to share insights and knowledge from the event to the world.

Who will be attending?

At ICPEAC XXX there will be:

- The world's leading scientists.
- Many upcoming students and postgraduate researchers from Australia and abroad.
- Representation from major Australian universities, research centres and industry.

What does the program consist of?

The ICPEAC program typically consists of 5 plenary lectures, close to 60 progress reports and 26 special reports, held in two parallel sessions. The special reports are

selected from the submitted abstracts to showcase the most recent developments. Additionally, about 800 posters will be presented in five poster sessions, normally held in the afternoon.

Broad topics will include, but are not limited to:

- Photon impact (weak field)
- Photon impact (strong field and attosecond science)
- Electron-atom collisions
- Electron-molecule collisions
- Electron-ion collisions
- Collisions involving exotic particles
- Ion-atom collisions
- Atom-atom and ion-ion collisions
- Ion-molecule and atom-molecule collisions
- Field-assisted collisions
- Ultracold atomic and molecular physics
- Collisions involving condensed matter
- Experimental techniques

Why be involved?

This once in a lifetime opportunity to be inspired by leading physicists from around the world should not be missed.

Where will it be held?

Cairns is a city of approximately 140,000 people located in tropical Queensland, in the north-eastern corner of the Australian continent. It is a popular tourist hub because of its proximity to the Great Barrier Reef and the World Heritage rainforests. Cairns has a tropical climate with daytime temperatures around 25°C (77°F) in July, which is ideal for a range of activities including scuba diving, snorkeling, sailing, water rafting, canoeing, hot air ballooning and enjoying aboriginal culture and exotic Australian wildlife.





Cairns has well-developed tourism infrastructure with a multitude of hotels and guesthouses to suit every budget. Most of the accommodation options, from 5 star hotels to backpacker lodges, are within walking distance to the compact city core and the conference venue. A selection of hotels will be offering special conference rates which will be available to delegates when they register. Local attractions include the botanical gardens, art galleries rich in aboriginal art, promenades, shopping centres, restaurants and markets.

The conference will be held at the [Cairns Convention Centre](#), an award-winning facility in the waterfront area of central Cairns. This versatile and impressive venue can accommodate up to 3,000 delegates.

The trade exhibition will be held in Hall B at the Cairns Convention Centre, along with the poster display and the morning/afternoon teas. The exhibition hall is in close walking distance to all sessions and meeting rooms and will house all conference catering.



Public Lecture

Australia, the land of things that bite, sting and kill! Is it really that bad?

Dr Jamie Seymour



Associate Professor Jamie Seymour or the "Jelly Dude from Nemo land" has been researching and working with venomous and dangerous animals for over 20 years with his present interest being "Why do animals have venom?" Based in Cairns, in Northern Australia, an area that has an overabundance of venomous animals, he is uniquely placed to study the ecology and biology of Australia's venomous species. He teaches at all levels at James Cook University, one of the top 5% of research universities in the world with his favourite subject being "Venomous Australian Animals".

Social Program

Traditionally, ICPEAC has a vigorous social program. It starts with a welcome reception, continues with a public lecture of general interest and concludes with a conference dinner. All these activities will be held at the Cairns Convention Centre. The public lecture is free. The cost of both the welcome reception and conference dinner tickets is included in the full and student registration fees. The cost of the conference dinner ticket is not included in the accompanying person registration fees, however additional conference dinner tickets will be available at an extra cost.

The close proximity of Cairns to the natural wonders of the Great Barrier Reef and the World Heritage rainforests offers great opportunities for the week-end sightseeing tours. Details on the day tours that will be offered as part of the conference will be updated on the website soon. For examples of day tours in the area, please have a look at the following tour companies:



[Green Island Tour](#)



[Skyrail to Kuranda and Rainforest](#)



[Great Barrier Reef Tour](#)

Registration

Please [register your interest](#) in the 30th International Conference on Photonic, Electronic and Atomic Collisions (ICPEAC XXX) and we will send you updates when they are available.

Visas

All visitors to Australia (except for New Zealand passport holders) must have a valid visa. Please refer to the following documents for more information:

- [Business factsheet](#): for guidance on the visa options that may be most suitable for you
- [Visa Application Requirements factsheet](#): for information on visa application requirements.

It is suggested that all visitors should apply for a visa at least two months prior to their intended date of departure, and four months prior for people with character or health concerns.

If you require assistance with your visa application, please provide Conference Logistics with your passport details via email at icpeac30@conlog.com.au, these details will then be forwarded to the Australian Department of Immigration and Border Protection. However you will still need to make your own visa application through your nearest Australian Embassy.



Abstracts

Abstracts will be reviewed by the Program Committee and assigned to appropriate oral or poster sessions. 26 special reports will be selected from the submitted abstracts to showcase the most recent developments. Additionally, authors will have the option to have their abstracts published online as part of the conference proceedings in Journal of Physics.

Important Dates

Second announcement:	January, 2017
Call for abstracts:	January, 2017
Close of abstract submission:	end of February, 2017
Conference program:	May, 2017
Early registration deadline:	April, 2017
Registration cancellation deadline:	23 June, 2017
Accommodation booking deadline:	23 June, 2017
Manuscript submission (invited speakers only):	July, 2017

Second Announcement

The Second Announcement will include guidelines for abstract submission, the preliminary program, as well as detailed information about travel, visa, accommodation and weekend tours. It will be available via the conference website and will also be mailed to those participants who have expressed their interest in the conference via the website.

ICPEAC XXX conference website www.icpeac30.edu.au

ICPEAC XXX conference email: info@icpeac30.edu.au

ICPEAC XXX International Officers

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ICPEAC XXX Local Organising Committee

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Dr. Alisher Kadyrov (Curtin University, Perth)

Prof. Robert Sang (Griffith University, Brisbane)

Prof. Christopher Chantler (University of Melbourne, Melbourne)

Prof. Feng Wang (Swinburne University, Melbourne)



Satellite Meetings

POSMOL 2017

XIX International Workshop on Low Energy Positron and Positronium Physics and XX International Symposium on Electron Molecule Collisions and Swarms

Chairs: James Sullivan (ANU), Ronald White (JCU) and Michael Bromley (UQ)

Venue and Location: Amaroo On Mandalay Resort, Magnetic Island, Queensland, Australia

Dates: 23-25 July, 2017

Contact: James Sullivan

E-mail: james.sullivan@anu.edu.au

Web: <http://posmol2017.edu.au/>

ISIAC 2017

The 25th International Symposium on Ion Atom Collisions

Chair: Alisher Kadyrov (Curtin)

Venue and Location: Hotel Grand Chancellor, Palm Cove, Queensland, Australia

Dates: 23-25 July 2017

Contact: Alisher Kadyrov

Email: A.Kadyrov@curtin.edu.au

Web: <http://atom.curtin.edu.au/isiac>

(E,2E) 2017

International Symposium on (e,2e), Double Photoionization and Related Topics

19th International Symposium on Polarization and Correlation in Electronic and Atomic Collisions

Chair: Igor Bray (Curtin)

Venue and Location: Hotel Grand Chancellor, Palm Cove, Queensland, Australia

Dates: August 1-4, 2017

Contact : Igor Bray

Email: I.Bray@curtin.edu.au

Web: <http://atom.curtin.edu.au/e2epol>

ISWAMP - 4

Intense field, Short Wavelength Atomic and Molecular Processes

Chairs: Igor Litvinyuk and Robert Sang (Griffith)

Venue and Location: Ship Inn, South Bank, Brisbane, Australia

Dates: July 22-25, 2017

Contact: Igor Litvinyuk

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