



# 24<sup>th</sup> European Conference on Few-Body Problems in Physics Second Circular

2-6 September 2019  
University of Surrey

The [24th European Conference on Few-Body Problems in Physics](#) - **EFB24** - will be held at the **University of Surrey**, Guildford UK, **from 2<sup>nd</sup> to 6<sup>th</sup> of September 2019** and organized by the Department of Physics. Previous conferences of these series took place in Aarhus (2016), Krakow (2013), Salamanca (2010) and Pisa (2007). Like the previous conferences, the EFB24 will give a possibility to present and discuss recent developments in the field of few-body systems in the following areas:

- Hadrons and particles
- Nuclei and hypernuclei
- Electroweak processes
- Atoms and molecules
- Cold atoms and quantum gases
- Few-body methods

## Program

The traditional structure of previous European Few-Body will be maintained. The Conference will be held for five days from Monday to Friday. Wednesday afternoon will be devoted to an excursion and conference dinner in Hampton Court (see below for details). We will have plenary sessions in the mornings and parallel sessions in the afternoons. We have already selected invited speakers for plenary sessions on the basis of recommendations of the IAC. The list of invited plenary speakers can be found below.

## International Advisory committee:

- N. Barnea (Israel)
- M. Birse (UK)
- C. Bertulani (USA)
- J. Carbonell (France)
- X. Cui (China)
- A. Deltuva (Lithuania - Germany)
- E. Epelbaum (Germany)
- D. Fedorov (Denmark)
- F. Fernández González (Spain)
- T. Frederico (Brazil)
- C. Greene (USA)
- J. Haidenbauer (Germany)
- M. L. Lekala (South Africa)
- N. Kalantar-Nayestanaki (Netherlands)
- A. Kadyrov (Australia)
- A. Kievsky (Italy)
- S. Kistryn (Poland)
- T. Kokalova (UK)
- E. Kolganova (Russia)
- N. Orr (France)
- T. Peña (Portugal)
- W. Plessas (Austria)
- W. Plessas (Austria)
- M. Piarulli (USA)
- J.-M. Richard (France)
- P. Schmelcher (Germany)
- K. Sekiguchi (Japan)
- N. Shevchenko (Czech Republic)
- W. Tornow (USA)
- K. Varga (USA)
- D. Watts (UK)
- H. Witała (Poland)

## Confirmed speakers at Plenary sessions are:

- Constantia Alexandrou (University of Cyprus, Cyprus)
- Sonia Bacca (University of Mainz, Germany)
- Mikhail Bashkanov (University of York, UK)
- Cheng Chin (University of Chicago, USA)
- Reinhard Dörner (Frankfurt University, Germany)
- Shimpei Endo (Tohoku University, Japan)
- Eduardo Garrido (IEM-CSIC, Madrid, Spain)
- Daniel Gazda (Chalmers University of Technology, Sweden)
- Rimantas Lazauskas (University of Strasbourg, France)
- Dean Lee (Michigan State University, USA)
- Miguel Marques (LPC Caen, France)
- Andreas Mathis (Technical University Munich, Germany)
- Angels Ramos (Barcelona University, Spain)
- Olga Rubtsova (Moscow State University, Russia)
- Takehiko Saito (RIKEN, Japan, and GSI, Germany)
- Kimiko Sekiguchi (Tohoku University, Japan)
- Karin Schonning (Uppsala University, Sweden)
- Simon Sirca (University of Ljubljana, Slovenia)
- Paul Sutcliffe (Durham University, UK)
- Jonathan Tennyson (Univeristy College London, UK)
- David Weiss (Pennsylvania State University, USA)
- Carl Wheldon (Birmingham University, UK)
- Colin Wilkin (University College London, UK)

Contributed talks will be selected on basis of submitted abstracts. [Abstract submission](#) for contributed talks will be open **until 15<sup>th</sup> of April 2019**. We will also have a poster session where three best posters will be selected and awarded a **cash prize** kindly offered by the NuPECC.

In order to promote fundamental research on few-body problems in physics and chemistry a third edition of the prize "**Few-Body Systems Award for Young Researchers**" will be given to two young researchers: one theorist and one experimentalist. As in the first two editions, this prize will be sponsored by **Springer**, publisher of Few-Body Systems. The winners will have the opportunity to present their work in the Conference.

A special session will be dedicated to contribution of **Roy Glauber** (1925-2018, 2005 Nobel laureate) to atomic, nuclear and particle physics.

## Conference Proceedings

The authors of all plenary, contributed and poster presentations will be given an opportunity to publish their contribution in the open access journal SciPost Physics Proceedings. Full details of the submission and refereeing procedure will be presented in due course, but will follow the journal polices available at <https://scipost.org/10.21468/SciPostPhysProc/about> .

## Venue: University of Surrey



The University of Surrey is located on the Stag Hill campus, which is within easy walking distance of Guildford town centre and rail station. The Campus is also adjacent to the A3 road to London and only 9 miles from the M25. Parking is available.

The University of Surrey recently celebrated its 50<sup>th</sup> anniversary. It was founded originally in 1891 as Battersea Polytechnic Institute in west London but in autumn 1966 was transformed into a university after receiving its royal charter. Two years later it moved to Guildford. Today, it is a happy community of ~16000 students from all over the UK and from the rest of the world. It is heavily engaged in research and hosts several large research centres such as Surrey Satellite Technology, a mobile-phone 5G innovation centre, and a Veterinary School. It also engages in

performing arts and music. The recently-built £35 million Surrey Sports Park provides the best sport facilities in the county and has been used by athletes competing at the London Olympics in 2012 as their training ground.

## Accommodation

We will provide a number of rooms on campus at a discounted rate of £40/night including breakfast. This offer will be available until 27th May. After this date, participants will have to find their own accommodation and, if they wish to, can still remain on campus by booking directly through the [University of Surrey accommodation office](#) at a higher price.

Off campus, a range of hotels and B&Bs is available in Guildford within easy walking distance of the university, the current lowest price range from ~£70/person/day. More typical prices are around £100-120/person/day including breakfast. In Guildford, early booking is highly advisable. Some participants may be interested to stay in London during the conference. This is possible as many train services connect Guildford with London, the fastest ones taking just 35-40 minutes from Waterloo station and current return ticket price is about £25. Hotels in nearby towns of Woking and Godalming (both 10 minutes by train) could also be considered.

## Guildford

Guildford is located just 43 km south-west of London (which is only 35-40 minutes by direct train) and is one of the largest towns in Surrey, with a population of 137,000. Guildford traces its origin back to the Saxon times and its name most likely derives from the convenient location of a ford through the River Wey, which cuts into distinctive golden colour sand banks south to the town. Guildford offers [walking tours of Guildford](#) such as *Historical Guildford*, *Medieval Guildford*, *Lewis Carroll*, *Alan Turing* and several others. Visiting [Watt's Gallery](#) is highly recommended. Several National Trust properties, such as [Hatchlands Park](#) with its unique collection of pianos, are worth a visit. Guildford is one of the best places for shopping (no need to go to London for that!). Guildford also offers a range of restaurants catering for all budgets. For more information visit [Guildford Tourist Information office](#).



## Conference excursion and dinner

The conference excursion to [Hampton Court Palace](#) will take place on Wednesday 4th September. Hampton Court is a royal palace associated with several Tudor and Stuart monarchs, starting from Henry the VIII, and historical events. Excursion will take place in the afternoon and will be followed by pre-dinner drinks reception and dinner in the Garden Room of the Hampton Court.



Based on previous attendance of European Few-Body conferences all delegates should be able attend the Conference Dinner. However, the Garden Room has a **non-negotiable maximum guest number of 180 people**. As a consequence, access to the dinner will be provided strictly on a **first come first serve** basis in terms of the Conference registration.



### Conference fees and registration

Conference fees	Full fees	PhD students	Accompanying persons
Until 27 <sup>th</sup> May 2019	£340	£240	£140
From 28 <sup>th</sup> May 2019	£425	£280	£150

Registration opens from 20<sup>th</sup> of March and ends on 14<sup>th</sup> of August 2019. The registration fee package includes conference venue hire, internet access, parking, reception, poster session drinks, coffee breaks, lunches, conference dinner and excursion. Registration fee for accompanying persons includes reception, poster session drinks, conference dinner and excursion.

### Information on visa requirements.

We will write letters of invitation to those needing visas well in advance. We recommend you apply for a UK visa at least two month before the start of the conference. It is advisable to contact us as early as possible to avoid potential problems.

### Deadlines

20 <sup>th</sup> March	Registration opens
15 <sup>th</sup> April	Abstract submission ends
15 <sup>th</sup> May	Abstract acceptance or rejection is announced
27 <sup>th</sup> May	Early birds fees ends
14 <sup>th</sup> August	Registration ends

*We are looking forward to welcome you at the University of Surrey,*

*The local organizing committee:*

- *Natasha Timofeyuk (Chair)*
- *Jim Al-Khalili*
- *Carlo Barbieri*
- *Wilton Catford*
- *Alexis Diaz-Torres*
- *Eran Ginossar*
- *Konstantin Litvinenko*
- *Arnau Rios*
- *Paul Stevenson*

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