



Free Electron Laser Conference FEL2024

August 19-23, 2024 – Warsaw, Poland

SPONSORS' AND EXHIBITORS' MANUAL

www.fel2024.org



Ladies and Gentlemen!

The 41st edition of the International Scientific Conference - Free Electron Laser Conference FEL2024 will take place from 19-23 August 2024 (for the first time in Poland!) and will be dedicated to the design, construction, operation and improvement of free electron lasers (FELs in short).

The event is organised by the National Centre for Nuclear Research (NCBJ) - one of the Central Europe's largest research institutes in Central Europe, and the venue will be the POLIN Conference Centre in Warsaw. The event is planned to bring together around 350 people from all over the world: scientists, students and entrepreneurs, as well as high-tech companies who will present their products and services.

FEL conferences bring together top-class scientists and engineers from around the world, accompanied by exhibitions that showcase the innovative products and services used in the construction of FEL lasers. They are also the most important events for the community involved in the construction and development of free-electron lasers. They bring together an international group of specialists, both scientists and entrepreneurs, including those responsible for technology procurement. They provide an opportunity to meet and discuss technological challenges, as well as the future and use of these devices.

The 41st edition of the FEL conference will provide an opportunity to promote Polish technology companies, as well as innovative projects such as the Polish Free Electron Laser - PoFEL, which is being developed at the National Centre for Nuclear Research. The event will feature oral presentations and a poster session.

There will be exhibition stands and sponsorship packages for sponsors. Two additional events are planned: a welcome cocktail and a banquet, organised at the Royal Castle, one of the most exclusive venues in Warsaw.

The importance of the event has been recognised by the Mayor of Warsaw and the Marshal of the Mazowieckie Voivodeship, who took FEL2024 under their Honorary Patronage.

Emphasizing the uniqueness of the Conference, we would like to invite you to find out more about the sponsorship package for companies, accept patronage and encourage you to participate in this prestigious event.

Kind regards,

Organising Committee of the FEL 2024 Conference

GENERAL INFORMATION

e-mail: sponsors@fel2024.org

LOCATION: The POLIN Conference Center, Anielewicza 6, Warsaw, 00-157



Sponsoring and booth reservation open	Monday	August 19, 2024	8:30
Booth set-up and move-in	Sunday	August 18, 2024	Hours will be given at a later date
Reception party (registration open)	Sunday	August 18, 2024	
Poster session	Tuesday	August 20, 2024	
Conference dinner (registration open)	Thursday	August 22, 2024	
Material packed and move-out	Friday	August 24, 2024	

ATTENTION! The number of stands is limited. First come first served.

Account number for payments:
08 1140 1977 0000 5821 8300 1138
IBAN PL 08 1140 1977 0000 5821 8300 1138
SWIFT BREXPLPWXXX
Transfer title: **sponsorFEL2024**

CONFERENCE PARTNER

We are open to barter cooperation. Such cooperation may include, for example, logistical support in the organization of the conference, support in the advertising of the project. Companies supporting the Conference are awarded the title of Conference Partner.

ABOUT NCBJ

National Centre for Nuclear Research:

- One of the largest research institutes in Poland in the ranking of the World University Ranking 2021-2022: more than 1,200 employees, approx. 49 professors & more than 158 PhDs.
- **Scientific cooperation with the largest laboratories in the world (including: European Organization for Nuclear Research (CERN), Free Electron Lasers scientific facilities associated in the FELs of Europe organization, High Intensity Proton Accelerator (J-PARC)).**
- NCBJ is on the list of strategic research infrastructures placed on the Polish Infrastructure Map: Among the 70 approved projects there were 7 or 100% of the proposals prepared by scientists from the National Center for Nuclear Research.
- **Maria research nuclear reactor provides radioisotopes for 400,000 patients per week!**

BRIEFLY ON Free Electron Lasers

Free electron lasers (FELs) are research devices belonging to the category of accelerator-based synchrotron light sources of the latest, fourth generation. They are based on the physical phenomenon of radiation (or light, as physicists prefer to call it) being emitted by charged particles that change direction or speed.

The above phenomenon is a major limitation of the energies achieved in accelerators. A problem for some, turns out to be an extraordinary opportunity for others. In the middle of the twentieth century, physicists observing synchrotron radiation recognised its unique properties: high intensity, collimation, polarisation, short pulses and a broad spectrum from deep infrared to high-energy X-rays radiation available for tuning. They make this radiation a unique tool for examining the structure of materials, imaging nanometric objects such as biological molecules, and tracking the course of chemical reactions or biological processes. **The 26 Nobel Prizes in physics and chemistry awarded to achievements using synchrotron radiation are spectacular proof of this.**

While in "classical" synchrotrons light is emitted by electrons moving in a circle, in free-electron lasers these particles, accelerated by a linear accelerator, are directed into a long, periodic structure of magnets, the so-called undulator, where, oscillating around their original direction of motion, they emit **coherent electromagnetic radiation**. This is the theory, but the practical implementation requires a number of difficult conditions to be met: precise control of the accelerated electron beam, achieving higher and higher energies of the electrons, the highest precision of execution, achieving and maintaining a very high vacuum, developing sophisticated control mechanisms and, on the detection side, using the most advanced methods for recording radiation and analysing the results. It is therefore not surprising that the construction of FEL lasers required significant technological progress in many fields of technology and physics, especially regarding particle acceleration methods. And it continues to contribute to it.

However, the effect is worth the effort. By implementing laser action on a beam of accelerated electrons, the free electron laser emits extremely short flashes of coherent radiation with an intensity **exceeding the intensity of "classical" synchrotron radiation**. Furthermore, by varying the energy of the electron beam, the wavelength of the emitted radiation can be relatively easily adjusted over a wide range to suit specific research needs and capabilities. And these seem almost limitless: After all, the FEL is becoming a huge flashlight allowing to illuminate subsequent stages of chemical reactions or biological processes at the molecular level with a time resolution of femtoseconds (10^{-15} s), and in the future even better.

Free-electron lasers have been built for several decades, but only the construction of the largest of these, equipped with electron accelerators several kilometres long and capable of generating pulses of radiation in the X-ray range, impossible by other methods, has attracted public attention. Such is the nature of, for example, the European X-ray laser XFEL built and operating in Hamburg, Germany. Similar-scale facilities are operating or planned in the USA, China, Korea, Japan, Switzerland and many other countries.

FEL lasers operating on the opposite side of the available spectral range, operating in the infrared region, especially far infrared, i.e. radiation with frequencies of the order of THz, also prove their usefulness and research attractiveness. As with X-ray lasers, the number of terahertz free electron lasers continues to grow.

Polish science keeps pace with these trends. Poland participated in the construction of the European XFEL laser and is currently its shareholder, along with 11 other countries. This guarantees access of Polish research groups to this fascinating research tool. **The Polish Free Electron Laser - PoFEL has been under construction since 2019 at the National Center for Nuclear Research in Otwock-Świerk near Warsaw, and its launch is scheduled for the end of 2025.** PoFEL will make the radiation range from THz to far ultraviolet available for research, and the experience gained during its construction will also allow the X-ray range to be reached. The resulting free electron lasers are still unique and innovative devices. Their construction requires cooperation between the scientific institutions that create FELs and the industry. It is not uncommon to jointly solve technological problems, transfer technology and develop new products. In addition to the obvious benefits for the industry in the form of supplies of various high-technology equipment necessary to build a free electron laser, this mechanism opens new opportunities for the participating companies to develop and expand the market. The opportunity for supplies and development is not limited only to the period of building free electron lasers. FELs are living devices, constantly expanding the scope of their capabilities according to emerging research results, the latest portion of which will be presented during the FEL2024 Conference.

The unique properties of free electron lasers allow us to see them as a research tool that can contribute to solving many fundamental scientific or technological problems facing our civilization. The following list is just an example of such applications. By participating - in one form or another - in the great adventure of building free electron lasers, we contribute not only to progress, but ultimately also to improving the quality of life.

Human health and life expectancy

Lasers allow us to understand and visualise the processes of disease development, the action of organisms' natural immune systems (antibodies), the behaviour of biological agents such as cells, viruses or cell membranes, as well as studies of pharmaceutical substances. The ultra-short duration of the pulses from the laser will even allow a kind of film to be created of very fast processes. FELs have been directly used to study the properties of the SARS-COV2 virus.

Natural and artificial photosynthesis

The unique radiation parameters of the FEL lasers will create the possibility of tracking the different stages of photosynthesis, allowing us to understand how plants break down water molecules. The success of this research could lead to the implementation of optimised photosynthetic processes on an industrial scale to produce hydrogen and liquid fuels from ingredients as cheap and widely available as sunlight, water, carbon dioxide and small amounts of light metals.

Materials and processes for advanced technologies

Depending on the type of radiation, FEL lasers are used to test new materials, e.g. they can lead to the further development of faster data recording techniques, which will lead to many new applications and products developed for scientific and technical applications.

CONFERENCE TOPICS & PROGRAM

- FEL theory
- SASE-FEL
- Seeded FEL
- FEL oscillators & IR-THz-FELs
- Novel acceleration and FEL concepts
- Advanced FEL modes and science applications
 - Attosecond science at FELs
 - Industrial applications of FELs
 - Photon beamline instrumentation & undulators
 - Electron sources
 - Electron beam dynamics
 - Electron diagnostics, timing, synchronization & controls

SPONSORING OPPORTUNITIES & BENEFITS

	PLATINUM	GOLD	SILVER
Booth size	(12 m ²)	(6 m ²)	(4 m ²)
Number of conference participants	3	2	1
Participation in conference dinner	X	X	X
Participation in welcome reception	X	X	X
Display logo of company on roll-up*	X	X	X
Inserts in the conference bag*	X	X	
Logo of sponsors on the conference's website	X		
Verbal acknowledgement at the beginning and closing of the conference	X		
WiFi connection	X	X	X
Coffee breaks	X	X	X
Attendance to the scientific sessions	X	X	X
A tour of the exhibition at the Polin Museum	X		
Description of the sponsoring institution on a dedicated subpage of the conference	250 words	200 words	150 words
Dinners	X	X	X
FEE in euro without taxes	9 500	5 500	4 000

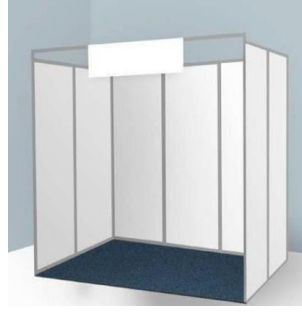
*Advertising materials should be delivered no later than 15 July 2024.

EXHIBITION AND POSTER AREA

PLATINUM SPONSOR EXHIBITION PACKAGE 9 500 Euro

Modular booth 6x2 m (12 m²)

- 1 back wall (6x2 m), 2 side walls (2x2 m)
- front panel with the logo of the exhibiting company (1.50 m x 0.50 m)
- 1 table 1.40 m x 0.70 m and blue tablecloth
- 2 chairs
- 6x2 m blue carpet
- 3 spotlights for lighting, 1 power strip, electrical panel 1.000 W



✓ Full support from Technical Secretariat

GOLD SPONSOR EXHIBITION PACKAGE 5 500 Euro

Modular booth 3x2 m (6 m²)

- 1 back wall (3x2 m), 2 side walls (2x2 m)
- front panel with the logo of the exhibiting company (1.50 m x 0.50 m)
- 1 table 1.40 m x 0.70 m and blue tablecloth
- 2 chairs
- 3x2 m blue carpet
- 3 spotlights for lighting, 1 power strip, electrical panel 1.000 W



✓ Full support from Technical Secretariat

SILVER SPONSOR EXHIBITION PACKAGE 4 000 Euro

Modular booth 2x2 m (4 m²)

- 1 back wall (2x2 m), 2 side walls (2x2 m)
- front panel with the logo of the exhibiting company (1.50 m x 0.50 m)
- 1 table 1.0 m x 0.70 m and blue tablecloth
- 2 chairs
- 2x2 m blue carpet
- 2 spotlights for lighting, 1 power strip, electrical panel 1.000 W



✓ Full support from Technical Secretariat

- Confirmation of the booking will be sent to the Sponsors e-mail address.
 - Sponsor must submit logos by 30 June 2024

ADDITIONAL SPONSOR OPPORTUNITIES (1)

ADVERTISING POSSIBILITIES

We provide the possibility for companies to insert advertisements in our conference bags

- advertisement in the Final Programme,
- insert in the conference bag (maximum 4 pages),
- gadget.

1. Promotional or marketing materials of the company, such as flyer, brochure or gadget, will be included in the conference bag distributed to all participants. Any item must be approved by the Organizers.

2. Sponsor should provide the flyer inserts. The exact quantity will be finalized before the Conference, depending on the number of applicants.

3. The inserts must be sent to the Technical Secretariat **no later than 15 July 2024**.

Further details and technical parameters are sent upon the order.

DELEGATE BAGS – Euro 4 000 (net of VAT) (3 SPONSORS MAX)

Organizers will provide bags for all participants. The logo of the sponsoring companies will be printed on the bag, along with FEL2024 logo. Design will be managed by the Organizers.

DELEGATE LANYARDS – Euro 4 000 (net of VAT) + lanyards supply – EXCLUSIVE

The Sponsor will provide lanyards with the logos of both the Sponsor and the Conference. Graphics and layout of the lanyards must be authorized by the Organizers before printing. Organizers will provide a high-resolution logo of FEL2024.

The Organizing Secretariat will inform the company about the number of items required and shipping info in due time. Materials can also be supplied by the Organizers; quotation will be made available upon request.

Sponsor logo will be included among sponsors on FEL2024 website.

Prize FEL2024 - 3 500 Euro

The Young Scientist FEL Award is intended to honour an important contribution to FEL science and technology from a person who is less than 35 years of age. One sponsor will be named and can also give a trinket from himself, if he wants.

ADDITIONAL SPONSOR OPPORTUNITIES (2)

1. PENS – Euro 4 000 (net of VAT) + pens supply – EXCLUSIVE

The Sponsor will provide pens with the logo of the Company to be included in all conference bags. They will be also used at registration desk. Graphics and pen type shall be authorized by the Organizers before printing.

The Organizing Secretariat will inform the Sponsor about the number of items required and shipping info in due time. Materials can also be supplied by the Organizers; quotation will be made available upon request.

Sponsor logo will be included among sponsors on FEL2024 website.

2. NOTEPADS – Euro 2 800 (net of VAT) + notepads supply – EXCLUSIVE

The Sponsor will provide lanyards with the logos of both the Sponsor and the Conference. Graphics and layout of the lanyards must be authorized by the Organizers before printing. Organizers will provide a high-resolution logo of FEL2024.

The Organizing Secretariat will inform the company about the number of items required and shipping info in due time. Materials can also be supplied by the Organizers; quotation will be made available upon request.

Sponsor logo will be included among sponsors on FEL2024 website.

3. PENDRIVE – Euro 1 600 (net of VAT) + material supply – EXCLUSIVE

The Sponsor can sponsor a branded pendrive to be included in the bag. The gadget will be included in the Conference bag to be distributed to all participants.

The Organizing Secretariat will inform the Sponsor about the number of items required and shipping info in due time. Materials can also be supplied by the Organizers; quotation will be made available upon request.

Company logo will be included among sponsors on FEL2024 website.

4. COFFEE BREAKS – Euro 6 000 (net of VAT) – EXCLUSIVE

The networking and relax area is a dedicated area of the conference centre equipped and furnished to offer delegates an area to work, network and relax. Company will be able to display banners and roll-up or, if requested, a sponsored backwall can be placed (quotation upon request). Furniture can also be branded. Company materials and items can be displayed and made available to participants in this area.

Further customization and relevant costs can be agreed upon with the Organizing Secretariat. Sponsor logo will be included among sponsors on FEL2024 website (roll-up with logo with thanks to sponsor + on tables acknowledging sponsor).

ADDITIONAL SPONSOR OPPORTUNITIES (3)

ICE CREAM CART – Euro 6 800 (net of VAT) – EXCLUSIVE 1-day

A vintage ice-cream cart will be available in the Conference venue during the whole Conference. The Sponsor can sponsor it for one day. The cart will be customized with the Sponsor. Logo/graphics and one additional marketing material, like banner or rollup, may be placed close to it to customize the area. All items must be authorized by the Organizers.

Extra: customized napkins + Euro 1,500 (net of VAT) + material supply

Should the Sponsor wish to add extra visibility to its sponsorship, branded napkins can be provided. The Organizing Secretariat will inform the Sponsor about the number of items required and shipping info in due time. Materials can also be supplied by the Organizers; quotation will be made available upon request.

WATER DISPENSERS – Euro 3 600 (net of VAT) – 3 SPONSORS MAX

The Sponsor will sponsor 8 water dispensers located all around the Conference venue for the whole Conference. Dispensers will be customized with the Sponsor. Logo/graphics, previously authorized by the Organizers.

Dispensers will be provided by the Organizers.

Sponsor logo will be included among sponsors on FEL2024 website.

SPONSORING SOCIAL EVENTS (4)

EXCLUSIVE SPONSORSHIP OF THE CONFERENCE DINNER

- Available for up to 5 institutions
- Acknowledgement in all conference materials
- Acknowledgement on roll-ups (max. 2p pieces) at the dinner area (roll-up should be provided by the Sponsor)
- Sponsor logo on the invitation card
- Placement of company
- **2 400 Euro (net of VAT)**

EXCLUSIVE SPONSORSHIP OF THE EDITOR COMMITTEE DINNER

- Available for 1 company
- Company logo
- Acknowledgements
- **800 Euro (net of VAT)**

COMPANY PRESENTATION – 2 000 Euro (net of VAT)

A small open area equipped with projector and screen and 10-15 chairs for audience, will be set up and made available to the Sponsor for a presentation of its products. Promotional material may be distributed in the area.

Time allotted is 30 minutes and the session will be scheduled according to the scientific programme. Promotional flyers for the presentation may be placed on the registration desk.

Sponsor logo will be included.

EXCLUSIVE SPONSORSHIP OF THE WELCOME RECEPTION – 2 200 Euro (net of VAT)

- Available for 2 sponsors
- Acknowledgement in all conference materials
- Acknowledgement on roll-ups (max. 2p pieces) at the cocktail area (roll-up should be provided by the Sponsor)
- Sponsor logo on the cards on the tables
- Placement of company logo on the conference

CANCELLATION POLICY

ALL matters related to the cancellation of the order will be settled in the sponsorship agreement.



Thank you for your attention and see you there!

We look forward to your interest in our offer. We are convinced that thanks to the large number of representatives of the research and technology industries, your presence at the event will allow you to make valuable contacts. We believe that the prestigious character of the Conference will also have a positive impact on your brand image.

Organising Committee of the FEL 2024 Conference

e-mail: sponsors@fel2024.org

Conference organiser

