**Buenos Aires**

Instituto de Ciencias de la Computación
Facultad de Ciencias Exactas y Naturales
Universidad de Buenos Aires

# FSCD 2021

**Proposal for location**

## ORGANISING COMMITTEE

### LOCAL ORGANISERS

**Alejandro Díaz-Caro (Chair)**, ICC (CONICET/UBA) & UNQ

**Santiago Figueira**, ICC (CONICET/UBA)

**Carlos Lombardi**, UNQ

**Carlos López Pombo**, ICC (CONICET/UBA)

**Ricardo O. Rodriguez**, ICC (CONICET/UBA)

\* ICC (CONICET/UBA) = Instituto de Ciencias de la Computación (CONICET/Universidad de Buenos Aires)
\* UNQ = Universidad Nacional de Quilmes

### LIAISONS

**Mauricio Ayala-Rincón**, Universidade de Brasília/CNPq.

**Mauro Jaskelioff**, CONICET/Universidad Nacional de Rosario.

**Nora Szasz**, Universidad ORT Uruguay/ANII/Pedeciba

**Beta Ziliani**, CONICET/Universidad Nacional de Córdoba.

The organizing committee is composed by five researchers from Buenos Aires, and four researchers in the region who are involved in the FSCD community. In addition, there will be several PhD students collaborating with the local arrangements.

## BUENOS AIRES, ARGENTINA

The City of Buenos Aires is one of the cultural capitals of South America and one of the most important and dynamic business points of the region. Every month an impressive amount of cultural activities take place (a surprising number of them are free of charge): art

exhibitions, classic films, stage performances, among many others.

The fair and conference industry is experiencing a significant growth, both quantitatively and qualitatively. Buenos Aires is the venue of international exhibitions and world congresses comprising different industries and topics. It is currently one of the most popular business meeting cities in Latin American, hosting around 50 major conferences every year with up to 5,000 participants in the largest meetings (for more information on this, please see https://turismo.buenosaires.gob.ar/en/agrupador-noticias/meetings-events-mice-tourism).



Among the most important regular events, we can mention the Tango Festival, the World Tango Championship, the ATP Tour (international tennis circuit), the Book Fair, the Independent Film Festival, the Livestock Exposition, the Polo Open Tournament, the International Tourism Fair for Latin America (FIT), ArteBa and the Colón Theater opera season, which is one of the most celebrated opera houses in the world.

As for the local cuisine, Buenos Aires is well-known for the "asado", which is how we call our barbeque. But that is only a small part of it, as our food enjoys for a large variety of options, mixing flavours with strong european traits (mostly Spanish and Italian), with that of the native South Americans. From cheap-eats like food tracks in the esplanade next to the venue, to a large variety of fine-dining restaurants, you will surely find it hard to choose a place to satisfy your appetite. Buenos Aires is also known to be very welcoming to vegetarians and vegans.



Because of its infrastructure, tourists, cultural and historic attractions, favorable business atmosphere, and a convenient rate of exchange both for the visitor and for the organizer, Buenos Aires is positioned as one of the most convenient venues for events in Latin America.

## UNIVERSIDAD DE BUENOS AIRES

Universidad de Buenos Aires (UBA) is the largest university in Argentina and the second largest university by enrollment in Latin America. The University was founded in 1821 in Buenos Aires City. The Instituto de Investigación en Ciencias de la Computación (ICC) is an institute that depends both on Universidad de Buenos Aires (UBA) and on CONICET, the national research

council. The ICC works within the Department of Computer Science of the Facultad de Ciencias Exactas y Naturales (FCEN) at UBA. Though formally constituted in 2013, it started to function as such in 2016. The goal of the institute is to advance the state-of-the-art in computer science, extending it as an area of knowledge in itself and also as a critical tool for the advance of science and the social and economic development of the country. The ICC seeks to advance the understanding of foundational aspects of the discipline such as the notion of algorithmic complexity and model of computation, as well as the tools that make the application of these foundations real and effective in the form of programming languages, methodologies for development and, simulation, verification, and validation techniques; to later close the cycle by means of the development of solutions to concrete problems, whose constantly increasing complexity requires to permanently revise the basis of the discipline. The institute is constituted by over 35 permanent researchers and around 65 Ph.D. students and postdocs.

The Department of Computer Science (DC) of  Facultad de Ciencias Exactas y Naturales (FCEN) at the Universidad de Buenos Aires is renowned national and internationally as a referent in both formation and research in computer science. The department has more than 50 years of experience in forming highly trained professionals and researchers. Professors and researchers in the department have a vast experience in research, industry, and technologies of information, with strong contacts with researchers from around the world. The department has two undergraduate programs and a PhD program in Computer Science.
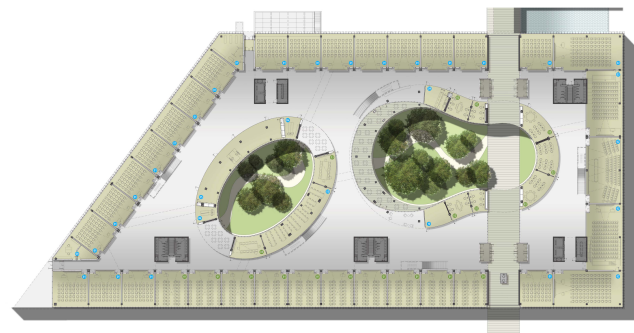
## Previous computer science conferences organized by DC/ICC members:

1. Conference on Logic, Computability and Randomness. January 10-13, 2007. Participants: 50. Budget: USD 60,000.

2. 4th International Symposium on Autonomous Minirobots for Research and Edutainment (AMiRE 2007), October 2-5, 2007. Participants: 50. Budget: USD 50,000.

3. Residuated Structures: Algebra and Logic (RSAL 2008), May 16-19, 2008. Participants: 70. Budget: USD 25,000.

4. Debian Conference 2008. August 10-16, 2008. Participants: 200 (estimated). Budget: USD 150,000.

5. VI ALIO/EURO 2008. December 15-17, 2008. Participants: 80 (estimated). Budget: USD 20,000.

6. Congress of the International Federation for Information Processing (IFIP), Technical Committee 7 (System Modeling and Optimization). July 2009. Participants: 300 (estimated). Budget: USD 100,000.

7. The IV Alberto Mendelzon International Workshop on Foundations of Data Management. May 17-20, 2010. Participants: 60 (estimated). Budget: USD 30,000.

8. ALIO/INFORMS International Meeting 2010. June 6-9, 2010. Participants: 980. Budget: USD 200,000. Organized with the collaboration of SADIO.

9. IBERAMIA'10, the 12th  edition of the Ibero-American Conference on Artificial Intelligence. November 1-5, Bahía Blanca. Participants: 250. Budge: USD 30,000.

10. WoLLIC'12, the 19th Workshop on Logic, Language, Information and Computation. September 3rd to 6th, 2012. Participant: 110. Budget: USD 25,000.

11. Buenos Aires Semester in Computability, Complexity and Randomness, January–June 2013. Participants: 50. Budget: USD 50,000.

12. SLALM'14, the 16th Latin American Symposium on Mathematical Logic. July 28th - 1st August, 2014. Participants: 150. Budget: USD 30,000.

13. IJCAI'15, 24th International Joint Conference on Artificial Intelligence. July 25th – 31st , 2015. Participants: 1200. Budget: €500,000.

14. ICSE'17, 39th International Conference on Software Engineering. May 20th-28th, 2017. Participants: 1200. Budget: USD 550,000.

15. LATIN'18. 13th Latin American Theoretical Informatics Symposium. April 16th-19th, 2018. Participants: 100. Budget: USD 40,000.

## FACILITIES

In 2019, we are opening a new building for FCEN, which will count with 19 normal size classrooms, 5 bigger seminar rooms, and many meeting rooms of different sizes. This building is located at "Ciudad Universitaria" (University City), which is in the north area of Buenos Aires city, in the Nuñez neighborhood.







## DATES

19 to 23 July 2021. It corresponds to winter holidays in Argentina, and so all the classrooms will be free to use. In addition, the traffic in the city is less convoluted, as well as the public transportation. Media temperature in July (winter) in Buenos Aires is 15 °C (high) and 8 °C (low).

## ESTIMATED FEES

|  | Regular | | Student | |
|---|---|---|---|---|
|  | Early | Late (+20%) | Early | Late (+20%) |
| Conference (4 days) | 360 € | 430 € | 280 € | 335 € |
| Conference + Workshops (5 days) | 420 € | 500 € | 320 € | 385 € |
| Workshop (one day) | 120 € | 145 € | 100 € | 120 € |
| Workshop (two days) | 180 € | 215 € | 140 € | 170 € |
| Workshop (three days) | 240 € | 290 € | 180 € | 215 € |

The registration fees include all lunches, coffee breaks and a conference bag. There will be a conference dinner and excursions on separate fees.

## BUENOS AIRES AIRPORT

The **Ministro Pistarini International Airport** is located 22 km south-southwest of Buenos Aires city, about 30 minutes away from downtown. To get downtown you can book an airport transfer, or take a bus, taxi or Uber.

The airport is named after a general and politician (1882-1956), but is more commonly known as **Ezeiza International Airport** because of its location in the city of Ezeiza in the Buenos Aires Metropolitan Area. It is the country's largest international airport and a hub for the international routes of Aerolíneas Argentinas. In 2018, the airport handled about 10,000,000 passengers and some 70,000 aircraft movements.

There are many airlines with direct flights from the main capitals in Europe to Buenos Aires, as well as some Low Cost flights such as Norwegian Airlines and Level. Low costs start at 700 €, other flights in the main airlines vary between 900 € and 1500 € for flights from Europe, depending on many factors. A flight from Tokyo may be around 1500 €.

## TRANSPORT IN BUENOS AIRES

Argentina is one of the most advanced countries in Latin America in terms of transport, with modern facilities, accessible and adapted to the different needs of its inhabitants; in Buenos Aires you will find several alternatives to travel. The public transportation is an efficient service, and many bus lines run during 24 hours.

### SUBWAY OR METRO



The subway (aka "subte", as it is called in Buenos Aires) or Metro, is the faster, more frequent (every 5 minutes) and safest in the city. This service covers the whole city, and you can travel via different

combinations of subway lines. Buenos Aires was the first Latin American city with a subway system (since 1913); in that time, only 10 countries had underground network: England, France, Turkey, Austria, Hungary, Germany, Greece, USA, and Argentina. The current network consists of 6 lines: A, B, C, D, E and H. The ticket costs 0.35 €.

## URBAN BUS



The urban bus transport has a network of more than 150 lines and more than 15,000 buses flowing through the streets of Buenos Aires. Some bus lines have an exclusive lane and special bus stops. These lines are called Metrobus and there are many of them in the whole city and the surroundings. There are buses from all the points in the city to Ciudad Universitaria, the event venue.

## PUBLIC BIKES

The city has public bikes, which are free of charge and only requires registering in a web or app (https://turismo.buenosaires.gob.ar/en/article/cycling). With over 130 km of bicycle lanes and a free public bicycle sharing system, cycling is a great way to explore the city. Bikes can be borrowed for up to an hour at a time, Monday - Friday, and for two hours during the weekend. If you wish to continue using the system for longer, you need to drop off the bike and wait 5 minutes before taking a second one.



## TAXIS



Taxis are easy to identify because they are painted yellow and black (roof), and they are circulating in thousands through Buenos Aires. One can take a taxi from anywhere in the city, hailing the driver. Currently, over 40,000 taxis are circulating through Buenos Aires.

A ride costs 0.70 € for picking the taxi, plus 0.07 € each 200 meters. This way, a ride from Ezeiza Airport to Ciudad Universitaria (42 kms) may costs less than 16 €. A ride from Belgrano 2 €, from Palermo 3 €, and from Recoleta 4 €, the main hotel areas. **Uber** is also operating in the city, with even better prices than taxis.

# HOTELS

With over 5 million visitors every year, Buenos Aires has no shortage of places to stay, with accommodation catering to every budget and every taste imaginable. Buenos Aires has become a tourist attraction, and hostels, B&Bs, and other residences offer a cozy and attractive
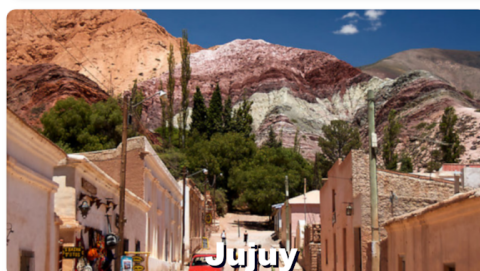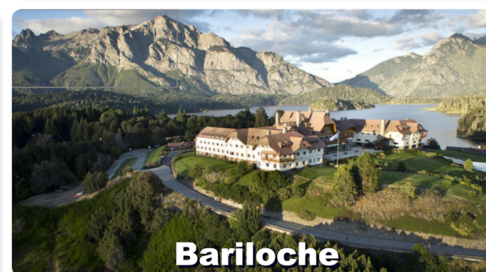
atmosphere for students. Prices for beds in a hostel starts at less than 5 €. With respect to hotels, the city of Buenos Aires offers today 36,000 bedrooms in all categories.

Average room prices include 21% VAT (deducible) and breakfast.

- Five star and deluxe hotel prices range from 100 € to 470 €.
- Four star hotel prices range from 55 € to 200 €.
- Three star hotel prices range from 25 € to 95 €.
- Two star hotel prices range from 18 € to 70 €.
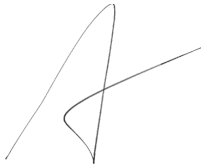
## OTHER PLACES TO VISIT IN ARGENTINA

Argentina's official tourism website (www.argentina.travel) contains tons of information about the country and places to visit. Buenos Aires have flights to the main attractions in the country. There are daily flights to Iguazu Falls, Salta, Jujuy, Mendoza, Bariloche, Puerto Madryn, or Ushuaia, as well as other attractive places in countries in the region, such as Santiago, Montevideo, Rio de Janeiro, etc.


Perito Moreno


Ushuaia


Mendoza


Puerto Madryn


Iguazú


Bariloche


Jujuy


Valle de la Luna

## FINAL REMARKS

We would be honored to host FSCD 2021 in Buenos Aires. We have recently formed a network of researchers in foundations of programming language in the region (FunLeP[1]), with researchers from Argentina, Brazil, Chile, and Uruguay, and this scientific community is growing fast. Most researchers at the Instituto de Ciencias de la Computación, and in the FunLeP network, have many connections with European researchers: in France, Germany, Italy, Poland, Portugal, Romania, UK, etc, and, even if FSCD is mainly a European congress, we think it would worth to take it outside Europe to help to develop the community.

Hosting the FSCD 2021 at Buenos Aires will certainly increase our visibility in the international community in Formal Structures for Computation and Deduction.

Alejandro Díaz-Caro
Buenos Aires, March 2019.

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[1] "Fundamentos de Lenguajes de Programación" - https://sites.google.com/view/funlep.