



## **ICMI Study 25 Conference**

**Program Overview and Useful information**

**3-7 February 2020**

**Instituto de Educação, Universidade de Lisboa**

The information provided in this document complements the Proceedings of the ICMI Conference, giving practical information for the participants.

## Program Overview

### Monday, February 3

09:00-09:30 – **Welcome and Registration**

09:30-10:30 – **Opening Ceremony**

10:30-11:00 – **Coffee break**

11:30-12:30 – **Plenary lecture 1**

*Content-Specific Theory Elements for Explaining and Enhancing Teachers' Professional Growth in Collaborative Groups (Theme A)*

Speaker: *Susanne Prediger (Germany)*

Reactor: *Boris Koichu (Israel)*

12:30-14:00 – **Lunch**

14:00-16:00 – **Working Groups I**

*WGA room 22, WGB room 7, WGC room 1, WGD room 2*

16:00-16:30 – **Coffee Break**

16:30-18:00 – **Plenary lecture 2**

*Producing Theories for Mathematics Education Through Collaboration: A Historical Development of Japanese Lesson Study (Theme B)*

Speaker: *Masami Isoda (Japan)*

Reactor: *Alf Coles (United Kingdom)*

18:30-19:00 – **Children chorus**

*Coro Infantil da Universidade de Lisboa*

19:00-20:30 – **Reception**

### Tuesday, February 4

09:00-10:30 – **Working groups II**

*WGA room 22, WGB room 7, WGC room 1, WGD room 2*

10:30-11:00 – **Coffee break**

**11:30-12:30 – Plenary lecture 3**

*Collaborative Groups in Mathematics Teacher Education: Grasping the Diversity of Roles, Identities and Interactions (Theme C)*

Speaker: Konrad Krainer and Carina Spreitzer (Austria)

Reactor: Bettina Roesken-Winter (Germany)

**12:30-14:00 – Lunch**

**14:00-16:00 – Working groups III**

WGA room 22, WGB room 7, WGC room 1, WGD room 2

**Free time**

<b>Wednesday, February 5</b>
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**09:00-10:30 – Working groups IV**

WGA room 22, WGB room 7, WGC room 1, WGD room 2

**10:30-11:00 – Coffee break**

**11:30-12:30 – Plenary lecture 4**

*Resources for and from Collaboration: A Conceptual Framework (Theme D)*

Speaker: Karin Brodie (South Africa)

Reactor: Kara Jackson (USA)

**12:30-14:00 – Lunch**

**14:00-16:00 – Plenary panel**

*Hilary Hollingsworth (Australia)*, Introduction

*Yiyi Chen (China)*, China-England Mathematics Teacher Exchange Programme

*Christelle Fitamant (France)*, Institute for Mathematics Teaching (IREM) in Brest, France

*Lameck Sandram (Malawi)*, The Improving Quality and Capacity of Mathematics Teacher Education in Malawi Project, A Norwegian and Malawian Collaboration

*Shelli Temple (USA)*, Professional Learning and Collaboration Via Social Networks Working and Learning in Collaborative Groups: What's Key to Mathematics Teachers?

*Hilary Hollingsworth (Australia)*, A Synthesis of Lessons Learned

**16:00-16:30 – Coffee break**

**16:30-18:30 – Working groups V**

WGA room 22, WGB room 7, WGC room 1, WGD room 2

**19:00-21:00 – Conference Dinner**

**Thursday, February 6**

09:00-10:30 – **Working groups VI**

*WGA room 22, WGB room 7, WGC room 1, WGD room 2*

10:30:11:00 – **Coffee break**

11:00:12:30 – **Working groups VII**

*WGA room 22, WGB room 7, WGC room 1, WGD room 2*

12:30-14:00 – **Lunch**

14:00-16:00– **Working Groups: Study Volume Publication I**

*WGA room 22, WGB room 7, WGC room 1, WGD room 2*

16:00-16:30 – **Coffee break**

16:30-18:00 – **Working Groups: Study Volume Publication II**

*WGA room 22, WGB room 7, WGC room 1, WGD room 2*

**Friday, February 7**

09:00-10.30 – **Report back session**

10:30:11:00 – **Coffee break**

11:00-12.30 – **Closing ceremony**

# ICMI STUDY 25 - CONFERENCE PROGRAM

	Monday, Feb 3rd	Tuesday, Feb 4th	Wednesday, Feb 5th	Thursday, Feb 6th	Friday, Feb 7th
9:00 AM	Registration & Welcome	Working Groups II	Working Group IV	Working Groups VI	Report Back Session
10:00 AM	Opening Ceremony				
	Coffee Break				
11:00 AM	Plenary Speaker: Susanne Prediger	Plenary Speaker: Konrad Krainer	Plenary Speaker: Karin Brodie	Working Groups VII	Closing Ceremony
12:00 PM	Reactor: Boris Koichu	Reactor: Bettina Rösken- Winter	Reactor: Kara Jackson		
1:00 PM	Lunch				
2:00 PM	Working Groups I	Working Groups III	Plenary Panel Hilary Hollingsworth (Moderator) Yiyi Chen, Christelle Fitamant, Lameck Sandram, Shelli Temple	WG: Study Volume Publication I	
3:00 PM					
4:00 PM	Coffee Break		Coffee Break		
5:00 PM	Plenary Speaker: Masami Isoda		Working Groups V	WG: Study Volume Publication II	
6:00 PM	Reactor: Alf Coles				
	Children's Chorus				
7:00 PM	Welcome Reception		Conference Dinner		
8:00 PM					

## Useful Information

### Registration and Secretariat

The registration will take place at the entrance of Instituto de Educação. You will receive a badge and tickets for meals.

A sketch of the building is available on next page.

Assuming a sustainable planet policy, we will not provide this booklet (unless you request), touristic information or other information in paper at registration. You may use the information provided on this document to organize your activities in Lisbon.

Certificates of participation will be sent by email after the conference.

The Secretariat will be open at Tuesday-Friday 09:00-11:00 at room 212 (© building E, floor 1).

### Weather in Lisbon in February

The beginning of February is the peak of Winter in Lisbon. You may expect temperatures ranging from 6° C to 16° C. It may be sunny, rainy or just cloudy, but, with climate changes, it is impossible to know what we will get. You must be prepared for all these possibilities.

### Arrival at the airport

Upon your arrival, you need to find transportation for your hotel. You have several options:

- Taxi (on arrivals) or Uber (on departures).
- Underground
- Buses (there are airport buses and regular Carris buses – you need to verify if the bus suits you)

### Underground (Metro)

To travel in the underground, you must buy a ticket in a vending machine. First you buy a card (*Without a reusable card Purchase your card* option), and you charge the card with money. If you are planning to buy a single-use ticket you should select *Metro/Carris ticket* (1.5€/ticket valid during 60 minutes following the first validation). If you are planning to move on underground more than once, you may consider selecting *Stored value* or *Zapping* (prepaid with 3€ to 40€, 1.34€/journey valid for a single journey on the Metro network). You can also opt to buy a 24h ticket, valid for unlimited journeys on Carris and Metro networks during 24 hours following the first validation (6.4€/24h).

The card is reusable and you can charge the card with some extra money in a vending machine choosing the option *With a reusable card Insert card to reload/read*.

More info at <https://www.metrolisboa.pt/en/>

## Arrival at the Instituto de Educação

There are several ways to arrive at the Instituto de Educação:

- If your hotel is not too far, and the weather allows, you may just walk.
- You may come by underground. The station is Cidade Universitária. When leaving the station follow the indication “Reitoria”. The Instituto de Educação is the second building going down the street (shared with the Faculty of Psychology – Faculdade de Psicologia)
- You may come by bus Carris: 731, 735, 738, 768
- Taxi or Uber

In Lisbon you may move around using bikes “Gira” (classic or electric) using an internet app. If you are lodged outside Lisbon, you will need other transportation by train or bus.

You can find Instituto de Educação location [HERE](#).

## Facilities at Instituto de Educação

The working rooms will be Auditorium 1 (Ⓐ main building, floor 1) for plenary sessions and rooms 1, 2, 7 (①②⑦ main building, floor 1) and room 22 (②② building E, floor 0, follow path Ⓑ).

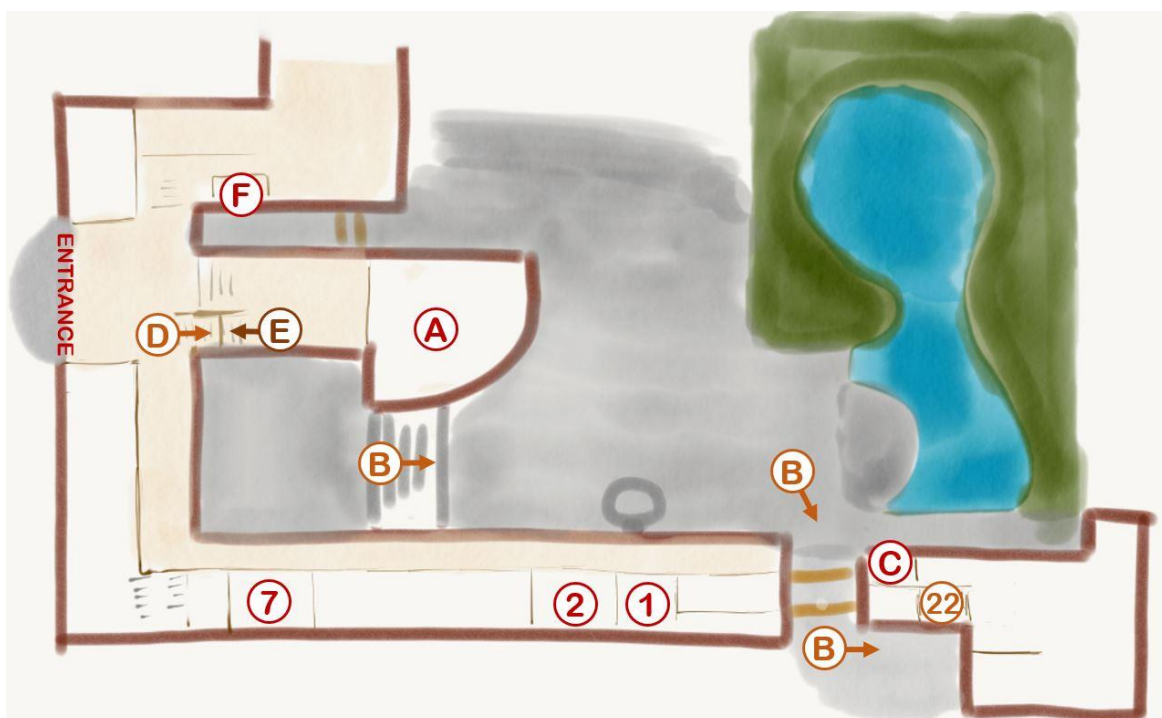
At the Instituto de Educação you may use the library (Ⓔ main building, floor 2, from 09:00 to 19:30, free admittance) and the cafeteria (Ⓓ main building, floor 0, from 08:00 to 19:00, there is no dinner).

If the weather is good, you may walk around the lake.

You can make photocopies at Psicópia (Ⓕ main building, floor 1, from the entrance, take stairs on the left, to go up, and then the first door on the right).

The ICMI Study 25 Secretariat will be at room 212 (Ⓒ building E, floor 1)

The building opens at 08:00 and closes at 22:00.



## Wi-Fi connection

There is wi-fi connection with access to eduroam.

Other users should connect to guest-ULisboa

User name: icmi

Password: icmi

## Meals

Coffee breaks and the Reception will take place at the lobby of the Auditorium 1.

At the conference you will have lunch on Monday-Thursday (not on Friday) served at the cafeteria. You will receive tickets at the Registration. There is a conference dinner (followed by “fado” music) on Wednesday, that will be held at Cantina Velha, a building just across the underground station of Cidade Universitária (informal dressing).

For the remaining days, you will need to organize your meals. You have many options in Lisbon, from gourmet restaurants to typical restaurants (more expensive) to simple ones (for example in shopping centers, such as Campo Pequeno – around the building and below the building).

You may look at other options at: [VisitLisboa](#) or [Tripadvisor](#)

Popular traditional dishes in Portugal include for example “bacalhau” (codfish, many recipes), many possibilities of grilled fish and “marisco” (shellfish), and in meat “cozido à portuguesa”, “feijoada”, grilled black pork, etc.. You will miss “sardinha assada” (sardines, only in summer). There are many different kinds of soups.

Portuguese desserts are famous, coming from Middle Age convent traditions (dozens of possibilities).

In restaurants, appetizers and wines are very good but look at the prices.

## Shopping

The most central streets for shopping are Avenida da Liberdade, Rua Castilho, Rua Augusta, Rua do Carmo, Rua Garret (at Baixa), most of them quite expensive. Other alternatives are the shopping centers such as Campo Pequeno, Colombo and Vasco da Gama (all of them near underground stations). There are other places with many shops such as Avenida de Roma (underground Roma), Campo de Ourique (bus), etc.

## Visiting touristic places

If you have time, there are several spots to consider in Lisbon:

**Baixa**, seeing Rossio (the very heart of Lisbon) and Praça do Comércio/Terreiro do Paço (two names for the same place, one official and another one “popular”). The view of the river at this place is a must. Close you have the neighborhoods of Alfama (the oldest neighborhood in Lisbon) and Bairro Alto (also typical, with many restaurants and bars). If possible you may visit Castelo de S. Jorge (a very old castle with a fantastic view) and on the way Sé (Romanic cathedral). You may consider



seeing Museu do Chiado (modern art), riding the elevator of Santa Justa (Eiffel project, 1902) or the elevator of Bica. You may also consider to ride tramway 28 (few locals, many tourists) (underground Restauradores, Rossio, or Baixa-Chiado).

**Belém**, seeing Jerónimos (century XVI, the most celebrated example of manuelino architecture), Tower of Belém, Museu dos Coches (carriage museum that you will not see in any other place), and other museums such as Museu de Marinha (Maritime), Museu de Antropologia (Anthropology), Museu Nacional de Etnologia (Ethnology), Museu da Eletricidade (Electricity). Look at the architecture of Centro Cultural de Belém (which host the Berardo Museum of Contemporary Art) and Padrão dos Descobrimentos. You may walk on the river side or take a ride in a “trotinete” (child scooter) between Belém Tower and Bridge 25 April. An absolute must in this part of town is to eat a “pastel de nata” (custard tart) at Pastéis de Belém (Tramway 15E, Carris buses 714, 728, 729, 751).

**Parque das Nações**, where you may visit Oceanarium (a gigantic aquarium) with many maritime species. You may also visit Pavilhão do Conhecimento (Knowledge building) and appreciate the architecture of Pavilhão de Portugal (a modern architecture case study) (underground Parque das Nações).

There are many other possibilities for sightseeing in Lisbon, such as visiting the Gulbenkian Foundation (with a famous museum with classic art collection and another museum of modern art), Museu do Azulejo (with a very rich collection), Museu da Água (Water Museum), Museu de Arte Antiga (old Art Museum, with the most valuable art pieces in Portugal).

If you plan to visit several museums you may consider buying a Lisboa Card (<https://www.lisboacard.org/>).

You may look at other options to visit Lisbon at <https://www.visitlisboa.com/en>

You may experience a trip to the South Bank of the river Tejo (Tagus), visiting Almada, Seixal, Barreiro or Montijo.

If you want to have a general view of the city, you may try a sightseen tour (several companies). There are also possibilities of boat tours in the river Tagus.

If you have some extra days in Portugal you may consider visiting Sintra (train), Cascais (train), Évora (train, bus, or rent a car), Mafra (bus) or Óbidos (bus or rent a car) or even Coimbra or Porto (train or bus). You may look at other options to visit Portugal at <https://www.visitportugal.com/>

## **Safety tips**

By and large, Lisbon is a very safe city. However, there are pickpockets operating (some local, some international...), especially in crowded places and public transports. So, you must be always attentive to your belongings.

You may travel at night in public transportation but avoid to walk alone in places with very little movement.

## Health and Emergency

Health and police emergency: 112

Hospital de Santa Maria is on university campus and has an emergency service during 24 hours.

Pharmacies near Instituto de Educação (Roughly at increasing distance – for exact location see Google Maps):

- **Farmácia Pimpão** Rua Afonso Lopes Vieira 57-B, 1700-011 Lisboa (Until 20:00)
- **Farmácia Campo Grande** Campo Grande 152-A, 1700-094 Lisboa (Until 20:00)
- **Farmácia Nova Iorque** Avenida Estados Unidos da América 140-B, 1700-180 Lisboa (Until 20:00)
- **Farmácia Marbel** Av. de Roma 104 A, 1700-353 Lisboa (Until 24:00)
- **Farmácia Roma** Avenida de Roma 85-B, 1700-344 Lisboa (Until 19:00)
- **Farmácia São Miguel** Praça Francisco de Morais 1, 1700-201 Lisboa (Until 19:00)
- **Farmácia Alentejo** Avenida da Igreja 28-B, 1700-237 Lisboa (Until 19:30)
- **Farmácia Cartaxo** Avenida da Igreja 21-C, 1700-231 Lisboa (Until 22:00)
- **Farmácia Alvalade** Avenida da Igreja 18-A, 1700-237 Lisboa (Until 24:00)
- **Farmácia Zil** Avenida da Igreja 9-D-E, 1700-230 Lisboa (Until 20:00)

## Support Students

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## Organization and Sponsors

ICMI Study 25 is organized by Instituto de Educação, Universidade de Lisboa and APM, Associação de Professores de Matemática

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