

impa



Instituto de Matemática
Pura e Aplicada

PRESENTS



THE FIRST ICM IN THE SOUTHERN HEMISPHERE

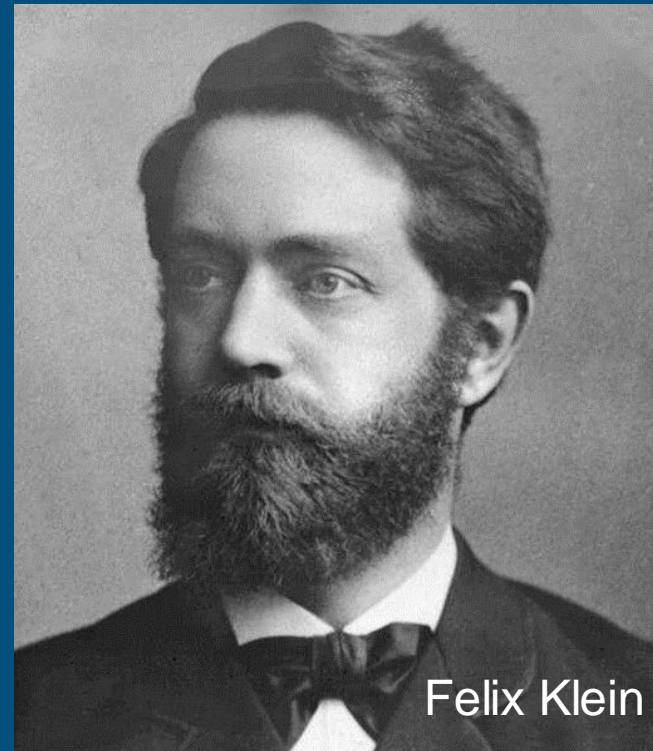
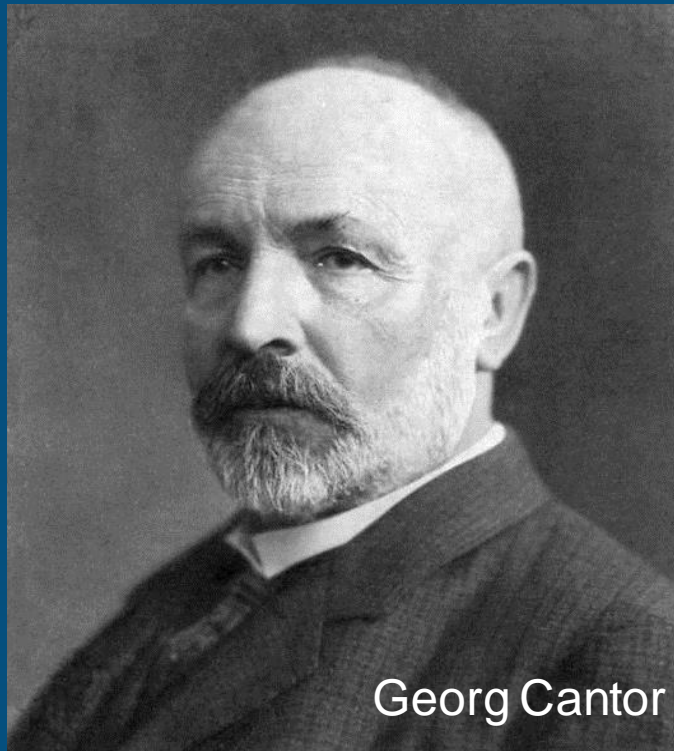
August 1 to 9, 2018



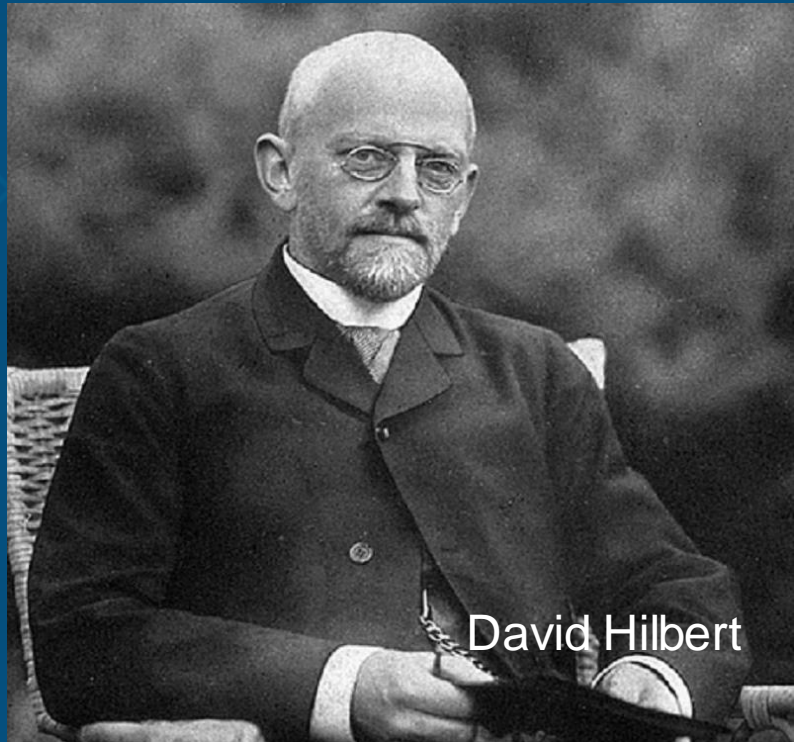
HISTORY

Chicago 1893: “Mathematicians of the world, unite!”

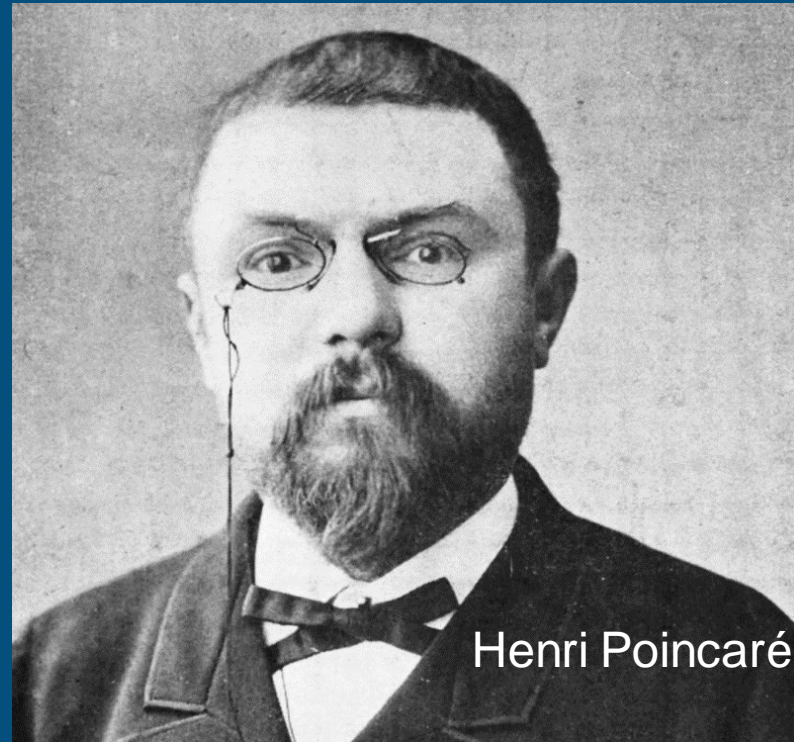
Zürich 1897: 1st ICM, in neutral Switzerland.



Paris 1900: 2nd ICM, dawn of a new century.



David Hilbert



Henri Poincaré

1897	Zürich, Switzerland	1900	Paris, France
1904	Heidelberg, German Empire	1908	Roma, Italy
1912	Cambridge, UK	1920	Strasbourg, France
1924	Toronto, Canada	1928	Bologna, Italy
1932	Zürich, Switzerland	1936	Oslo, Norway
1950	Cambridge, USA	1954	Amsterdam, The Netherlands
1958	Edinburgh, UK	1962	Stockholm, Sweden
1966	Moscou, Soviet Union	1970	Nice, France
1974	Vancouver, Canada	1978	Helsinki, Finland
1982	Warszawa, Poland	1986	Berkeley, USA
1990	Kyoto, Japan	1994	Zürich, Switzerland
1998	Berlin, Germany	2002	Beijing, China
2006	Madrid, Spain	2010	Hyderabad, India
2014	Seoul, South Korea	2018	Rio de Janeiro, Brazil

International Congresses of Mathematicians are not numbered...

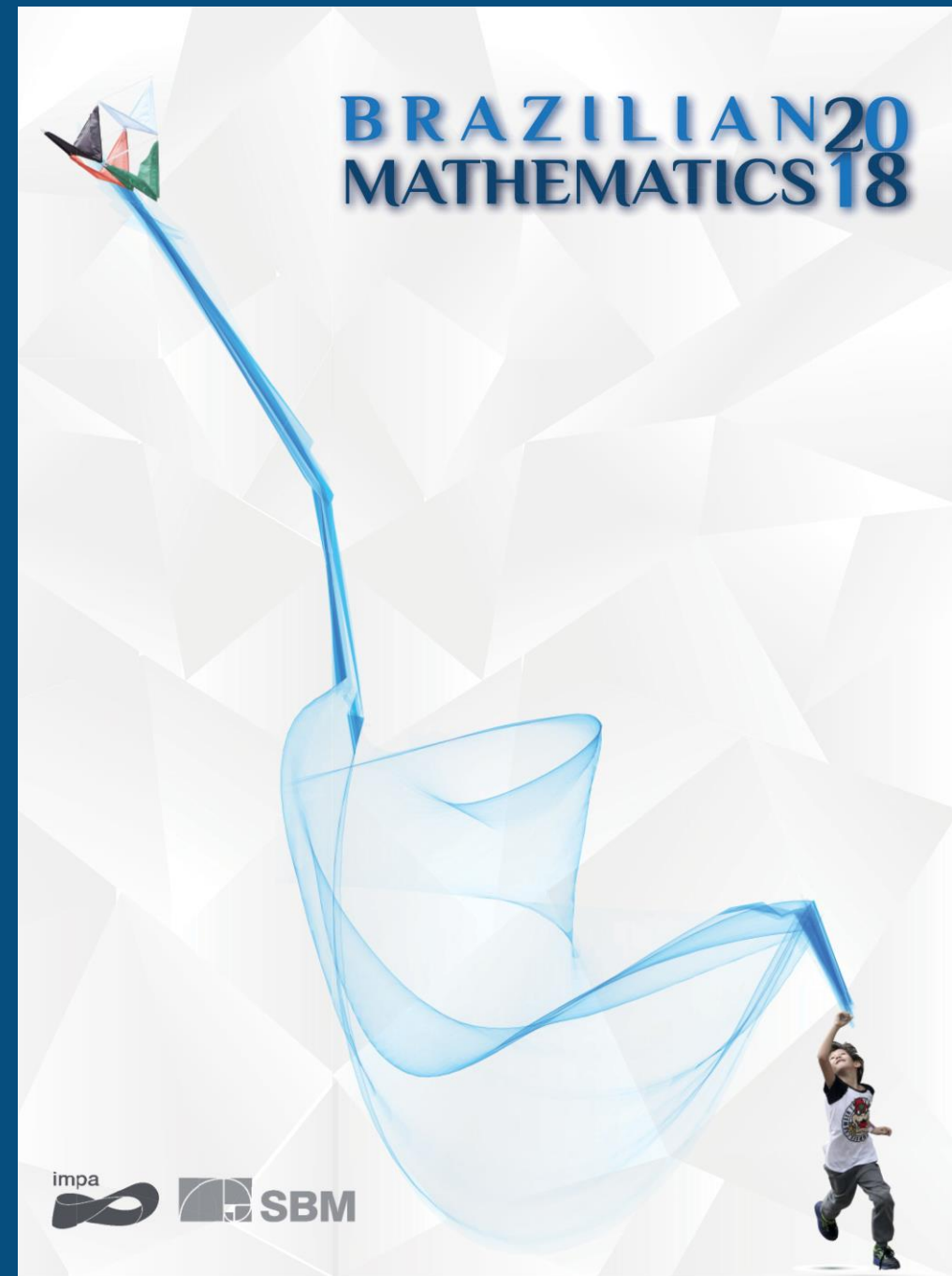


BRAZILIAN MATHEMATICS

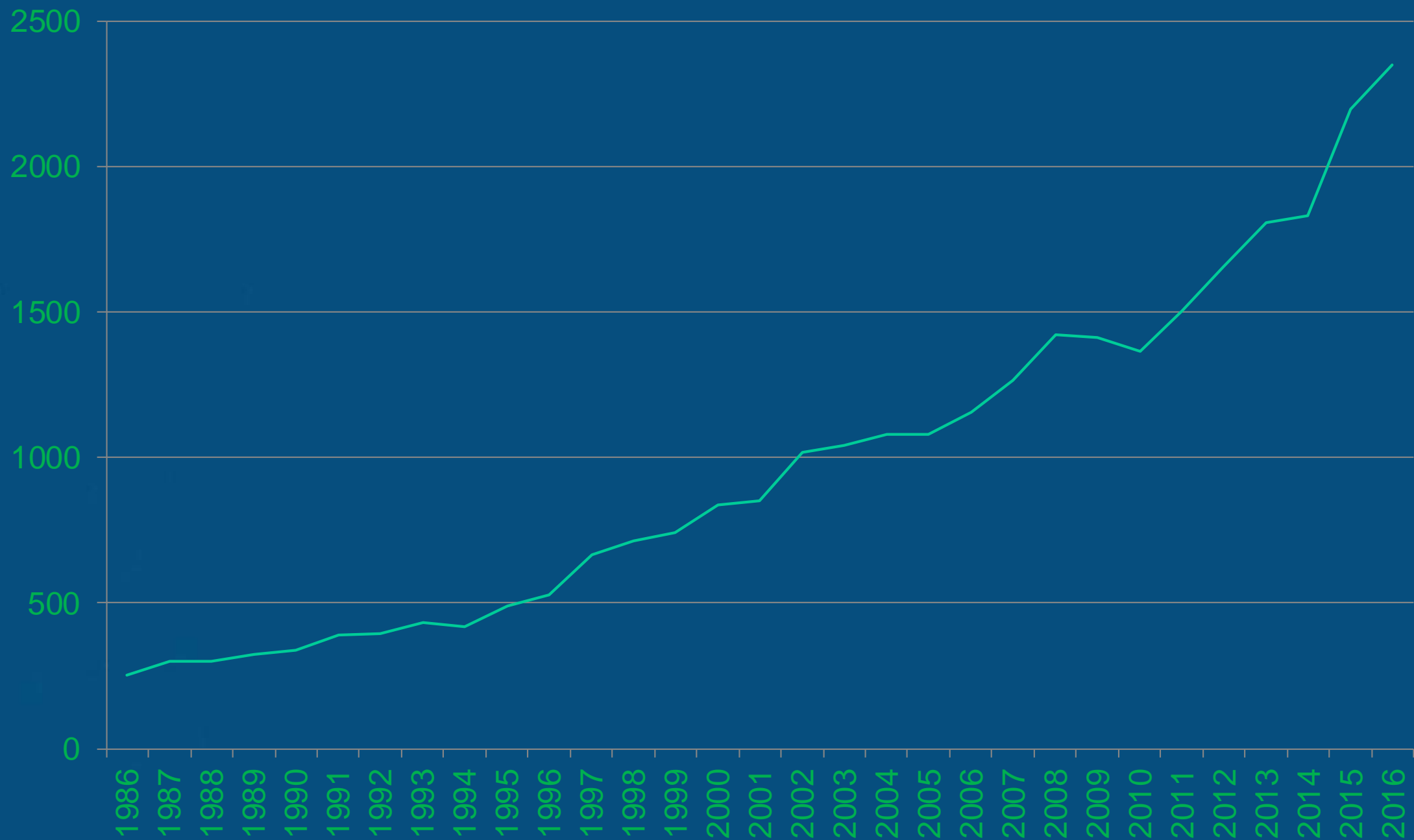


First Brazilian Mathematical Colloquium, 1957

An overview of the progress
attained over the last decades.



Number of math papers by Brazilian authors (source: MathSciNet)





RIO DE JANEIRO



Most visited location in the
Southern Hemisphere



5 million tourists every year.
UNESCO World Heritage Site.



Home to the 2014 FIFA World Cup Final



And the 2016 Summer Olympic Games.



Located at $22^{\circ}53'S$ and $43^{\circ}17'W$, on the Atlantic coast of Brazil. Time zone GMT-3.00.



Temperatures ranging from
18°C (64 F) to 24°C (75 F) in August.



Local currency
 $1 \text{ Real} = 0.25 \text{ Euro} = 0.30 \text{ USD}.$

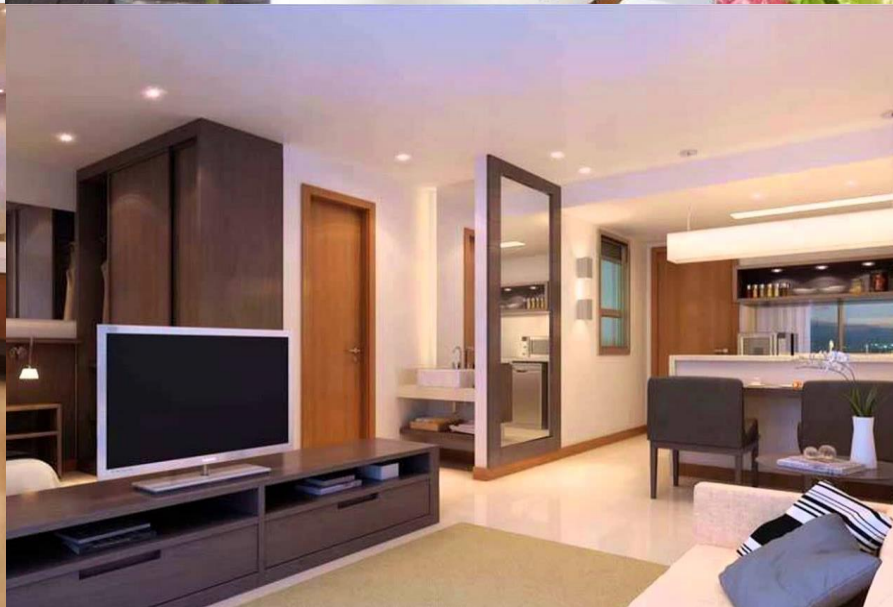


ACCOMMODATION

- Over 11,000 hotel rooms, including low cost, within 20 km (or 30 minutes by car) of Riocentro.
- Special rates negotiated with several hotels.
www.icm2018.org/portal/en/accommodation
- Many alternatives: hostels, apart hotels, airbnb etc.



On-site 5-star hotel Grand Mercure Riocentro
with over 300 rooms.



Qualicom Midas Rio
1 mile from Riocentro



Hilton Barra da Tijuca
3.3 mile from Riocentro



Novotel Rio de Janeiro
8.6 mile from Riocentro

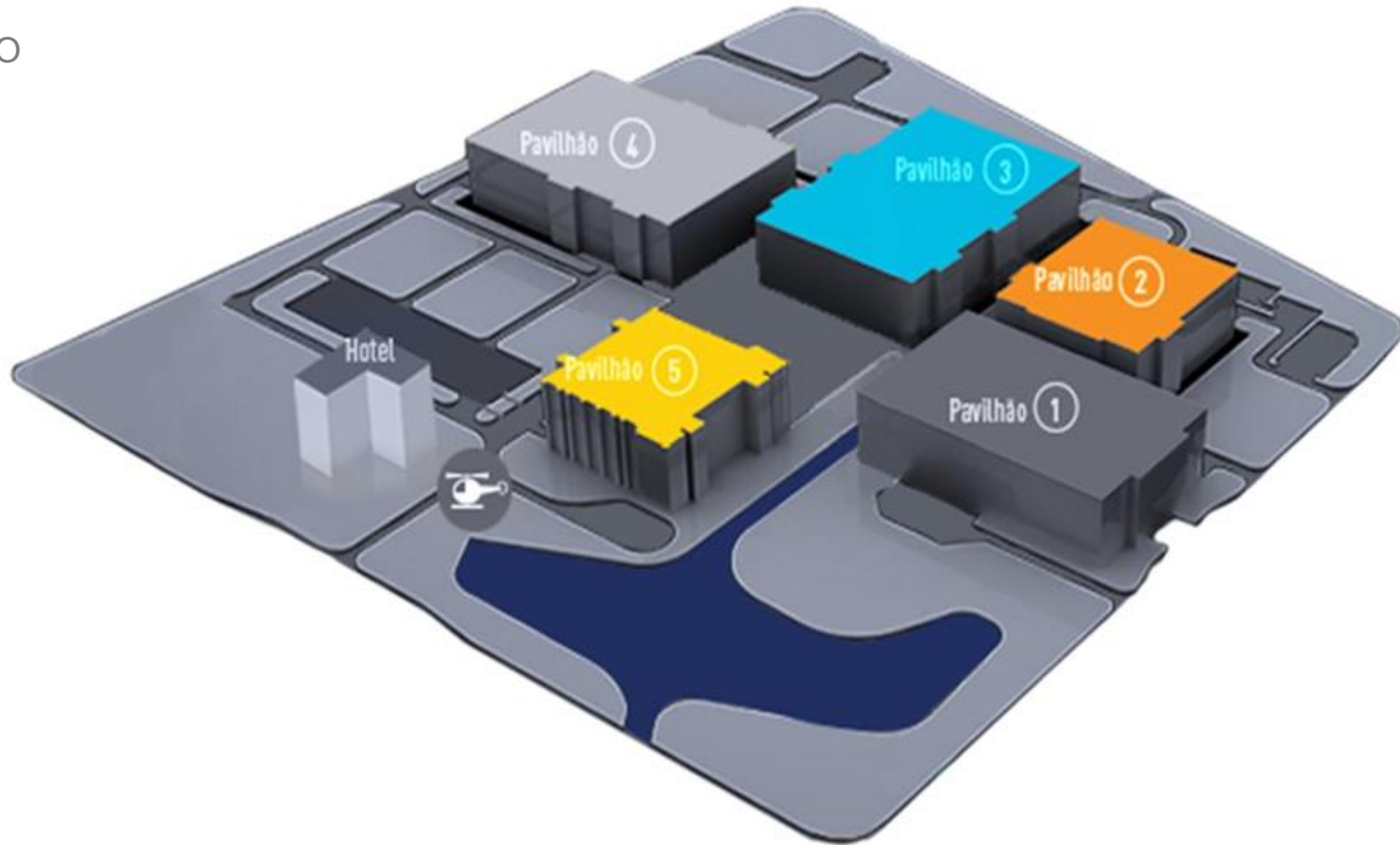


RIOCENTRO CONVENTION



Riocentro Complex - 500,000 m² total area
98,000 m² constructed

RIOCENTRO



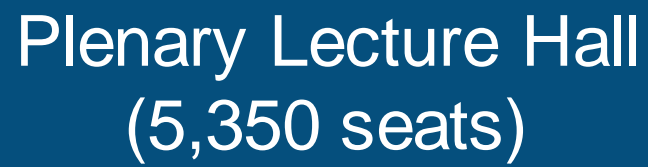
Riocentro Convention

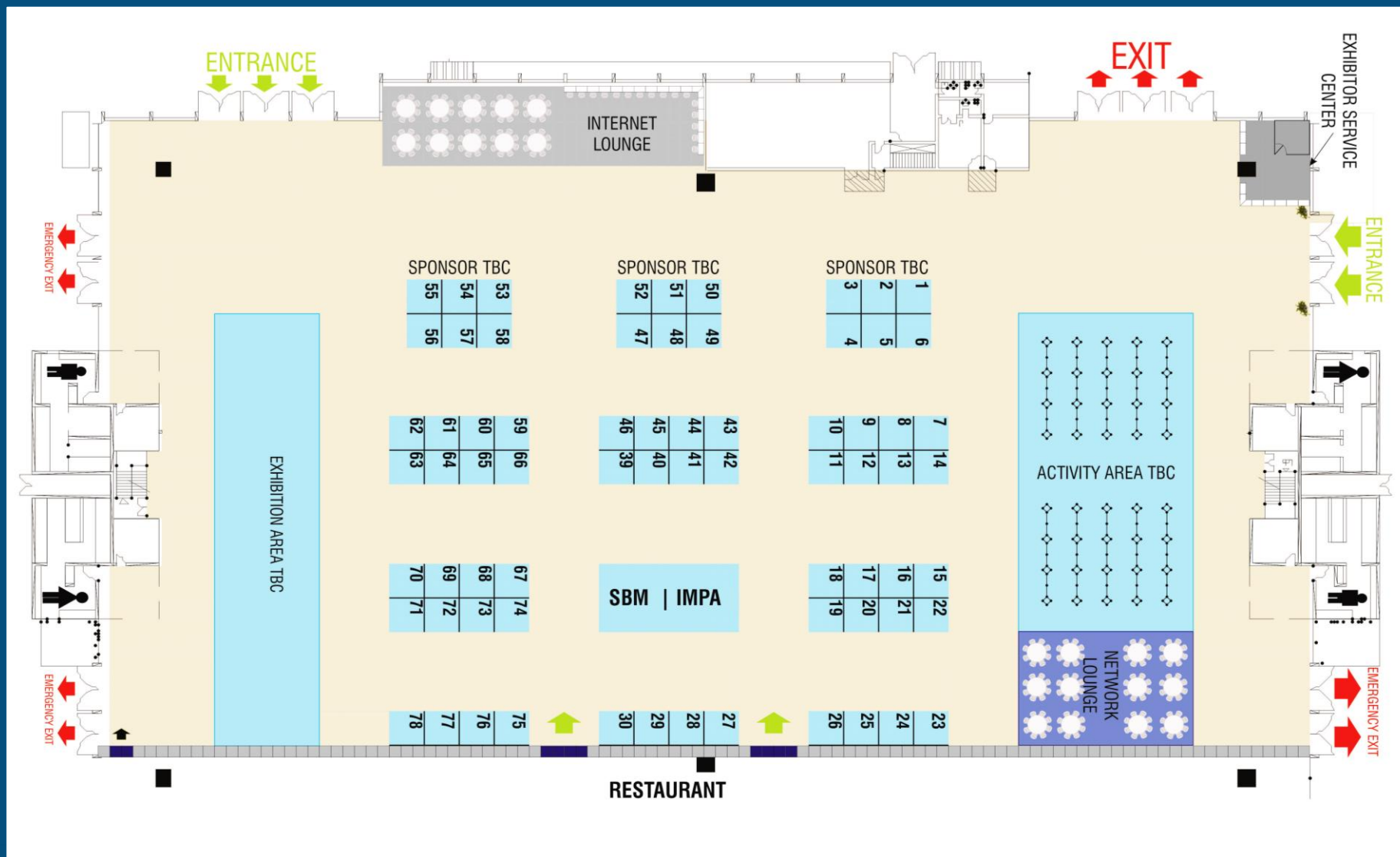


Riocentro Convention



Riocentro Convention





Exhibitions Hall

Reservation of booths available on the website



PROGRAM

- Plenary Lectures
- Invited Lectures
- Special Lectures (Noether, Abel)
- Laudatos & Prize Lectures (Fields, Nevanlinna, Gauss, Chern, Leelavati)
- Communications & Posters
- Invited & Contributed Discussion Panels
- Public Lectures
- Exhibits
- Opening & Closing Ceremonies
- Mathematical Societies Meetings (IMU Circle, LMS, MCofA etc)
- Social Events (SBM Reception, Social Dinner, National Receptions etc)



Program
at a glance.

31-Jul (Tue)	1-Aug (Wed)	
10:00-22:00 - Registration	7:00-18:00 - Registration	12:00-19:00 - Exhibition
	8:30-11:30 - Opening Ceremony	11:30-14:00 - Lunch
8:00-18:45 - World Meeting for Women in Mathematics (WM) ² .	14:00-15:35 - Laudatios - Fields Medal & Nevanlinna Prize	
	15:40-16:00 - Coffee Break	16:00-17:35 - Laudatios – Fields Medal, Gauss Prize, Chern Medal & Leelavati Prize
	17:40-18:00 - Coffee Break	18:00-19:00 - Nevanlinna Prize Lecture
19:00-22:00 - Opening Cocktail	19:00-22:00 - SBM Reception	

2-Aug (Thu)	
7:00-18:00 - Registration	9:00-18:30 - Exhibition
8:30-9:30 - Simon Donaldson	
9:40-10:40 - Sylvia Serfaty	10:50-11:50 - Rahul Pandharipande
11:50-13:30 - Lunch	13:30-14:30 - Fields Medal Lecture
14:45-16:30 - Invited Lectures	14:45-19:00 - Short Communications
15:30-16:30 - Public Lecture 1	16:30-17:00 - Coffee Break
17:00-18:45 - Invited Lectures	18:00-19:30 - IMU Panel 1

3-Aug (Fri)	4-Aug (Sat)	
7:00-18:00 - Registration	9:00-18:30 - Exhibition	7:00-18:00 - Registration
8:30-9:30 - Andrei Okounkov		9:00-18:30 - Exhibition
9:40-10:40 - Greg Lawler	10:50-11:50 - Carlos Gustavo Moreira	8:30-9:30 - Luigi Ambrosio
11:50-13:30 - Lunch	11:50 - 13:30 - IMU Circle Meeting	9:40-10:40 - Lai-Sang Young
13:30-14:30 - Fields Medal Lecture	14:45-16:30 - Invited Lectures	10:50-11:50 - Peter Scholze
14:45-17:45 - Short Communications		11:50-13:30 - Lunch
15:30-16:30 - Public Lecture 2	16:30-17:00 - Coffee Break	13:30-14:30 - Fields Medal Lecture
17:00-17:45 - Invited Lectures		14:45-16:30 - Invited Lectures
18:00-19:00 - Emmy Noether Lecture - Alice Chang		14:45-19:00 - Short Communications
		14:45-19:30 - Math Education and Popularization Invited Panels 1, 2 and 3
		16:30-17:00 - Coffee Break
		17:00-18:45 - Invited Lectures
		19:30-22:30 - Gauss Prize & Chern Medal Ceremony / Social Dinner

5-Aug (Sun) Free day	6-Aug (Mon)
	7:00-18:00 - Registration
	9:00-18:30 - Exhibition
	8:30-9:30 - Ronald Coifman
	9:40-10:40 - Peter Kronheimer & Tom Mrowka
	10:50-11:50 - Catherine Goldstein
	11:50-13:30 - Lunch
	13:30-14:30 - Fields Medal Lecture
	14:45-16:30 - Invited Lectures
	14:45-17:45 - Short Communications
	15:30-16:30 - Public Lecture 3
	16:30-17:00 - Coffee Break
	17:00-17:45 - Invited Lectures
	18:00-19:00 - Abel Lecture - Michael Atiyah

7-Aug (Tue)	8-Aug (Wed)	
7:00-18:00 - Registration	9:00-18:30 - Exhibition	7:00-18:00 - Registration
8:30-9:30 - Alex Lubotzky		9:00-18:30 - Exhibition
9:40-10:40 - Nalini Anantharaman	10:50-11:50 Sanjeev Arora	8:30-9:30 - Assaf Naor
11:50-13:30 - Lunch	13:30-14:30 - Gauss Prize Lecture	9:40-10:40 - Georgie Williamson
14:45-16:30 - Invited Lectures	14:45-16:15 - IMU Panel 2	10:50-11:50 - Christian Lubich
14:45-19:00 - Short Communications	15:30-16:30 - Public Lecture 4	11:50-13:30 - Lunch
16:30-17:00 - Coffee Break	16:30-18:00 - IMU Panel 3	13:30-14:30 - Chern Medal Lecture
17:00-18:45 - Invited Lectures	18:00-20:00 - IMU Panel 4	14:45-16:30 - Invited Lectures
		14:45-17:45 - Short Communications
		16:30-17:00 - Coffee Break
		17:00-17:45 - Invited Lectures
		18:00-19:00 - Leelavati Prize Lecture

9-Aug (Thu)
7:00-14:00 - Registration
8:30-9:30 - Gil Kalai
9:40-10:40 - Michael Jordan
10:50-11:50 - Vincent Lafforgue
11:50-14:00 - Lunch
14:00-16:00 - Closing Ceremony



TRAVEL GRANTS

ICM2018 OpenArms

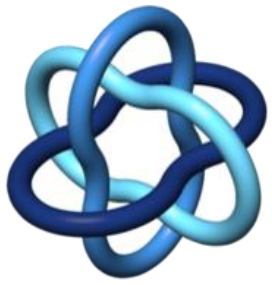
630 travel grants: 500 from IMPA & SBM plus 130 from IMU

- Asia and Pacific = 200 (60 women)
- Africa = 130 (44 women)
- Eastern Europe = 100 (49 women)
- Latin America = 200 (76 women)

Grantees must confirm by registering before **March 27, 2018**



IMU GA



Just prior to ICM 2018 in Rio de Janeiro,
the city of São Paulo will be hosting the
2018 IMU General Assembly



IMU General Assembly
July 29 – 30, WTC, São Paulo

TRANSFER OF DELEGATES:

Bus trip with stop for lunch and sightseeing at the colonial city of Paraty

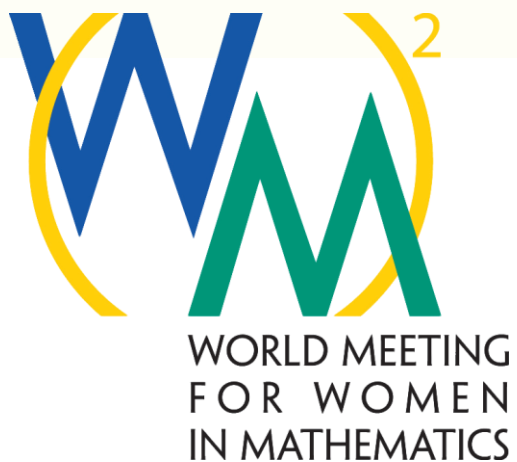




Colonial City of Paraty



(WM)²



A satellite event of the ICM 2018



RIOCENTRO
July 31, 2018, Rio de Janeiro



The (WM)² will bring together mathematicians from all over the world to think about and discuss gender issues in mathematics, its challenges, initiatives, and perspectives for the future. Its program includes research talks, group discussions about gender issues in mathematics, a panel discussion and poster presentation. There will also be a tribute to Maryam Mirzakhani.

RIOCENTRO
July 31, 2018, Rio de Janeiro



CHILD CARE

Child Care Space

- Set by the Organizing Committee in partnership with a reputed local school, with more than 45 years experience.
- Will receive children from 2 to 10 years old, for experiences that will stimulate creativity, senses and abilities.
- Reservations must be requested at registration, on the ICM website.



Providing children new experiences.
Making it easier for parents to attend the Congress.



REGISTRATION

Early registration, with reduced fee: through April 27, 2018.

- Advance registration: July 13, 2018 – less reduced fee.
- On-site registration: from July 29 – full fee.



Submission of communications and posters:
through March 05, 2018.

Selection results to be published by March 28, 2018.

WWW.ICM2018.ORG





ICM 2018

RIO DE JANEIRO

**INTERNATIONAL CONGRESS
OF MATHEMATICIANS**

**SEE YOU
IN RIO !**