



Instituto de Matemática  
Pura e Aplicada

PRESENTS



**ICM 2018**  
**RIO DE JANEIRO**  
INTERNATIONAL CONGRESS  
OF MATHEMATICIANS

**THE FIRST ICM  
IN THE SOUTHERN  
HEMISPHERE**

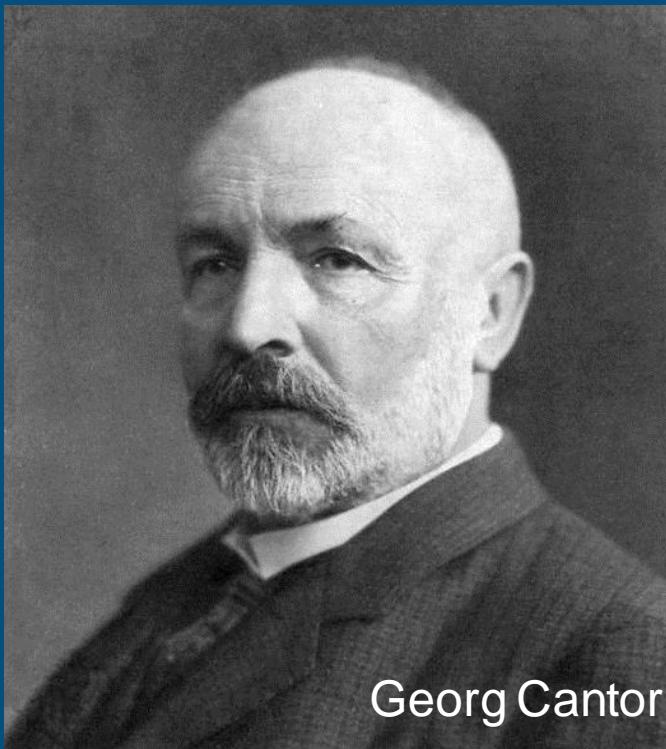
**August 1 to 9, 2018**

# HISTORY

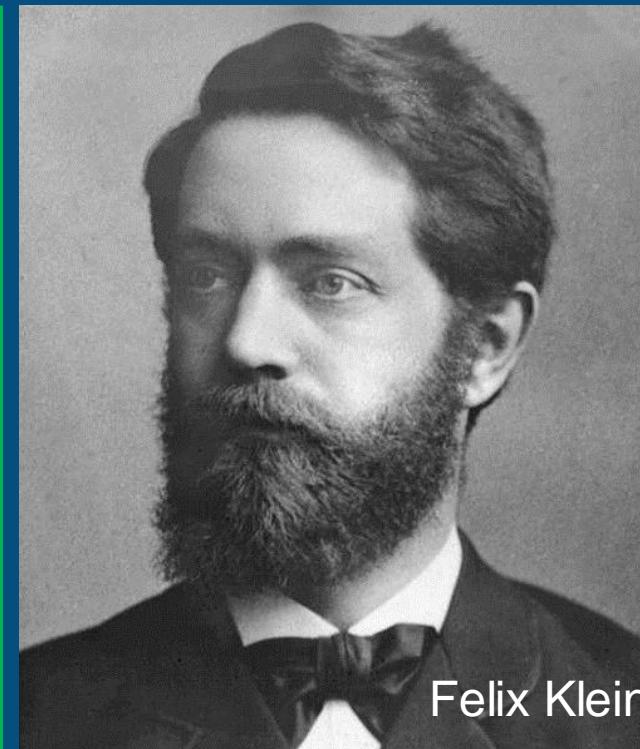


Chicago 1893: “Mathematicians of the world, unite!”

Zürich 1897: 1<sup>st</sup> ICM, in neutral Switzerland.

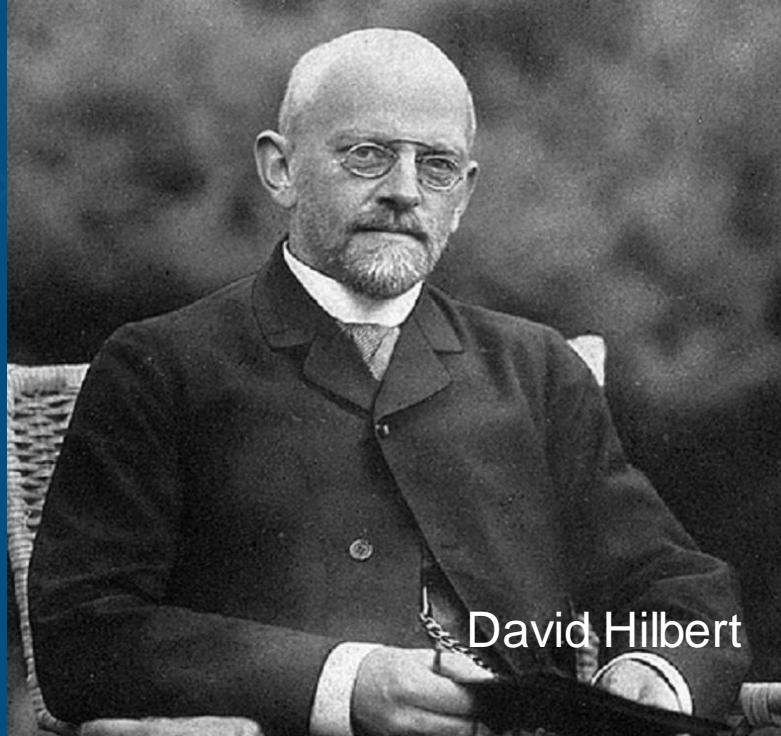


Georg Cantor

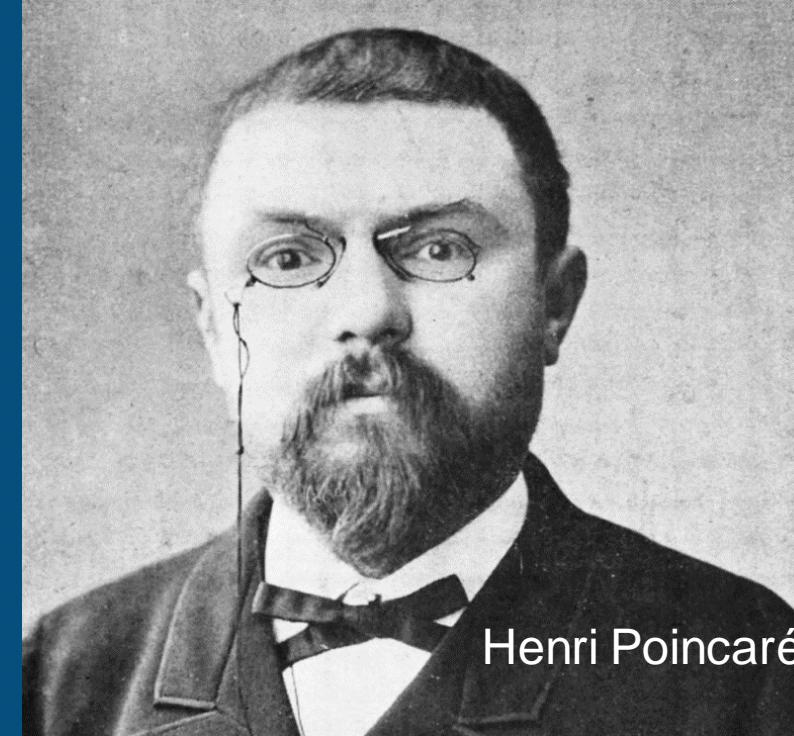


Felix Klein

# Paris 1900: 2<sup>nd</sup> 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...

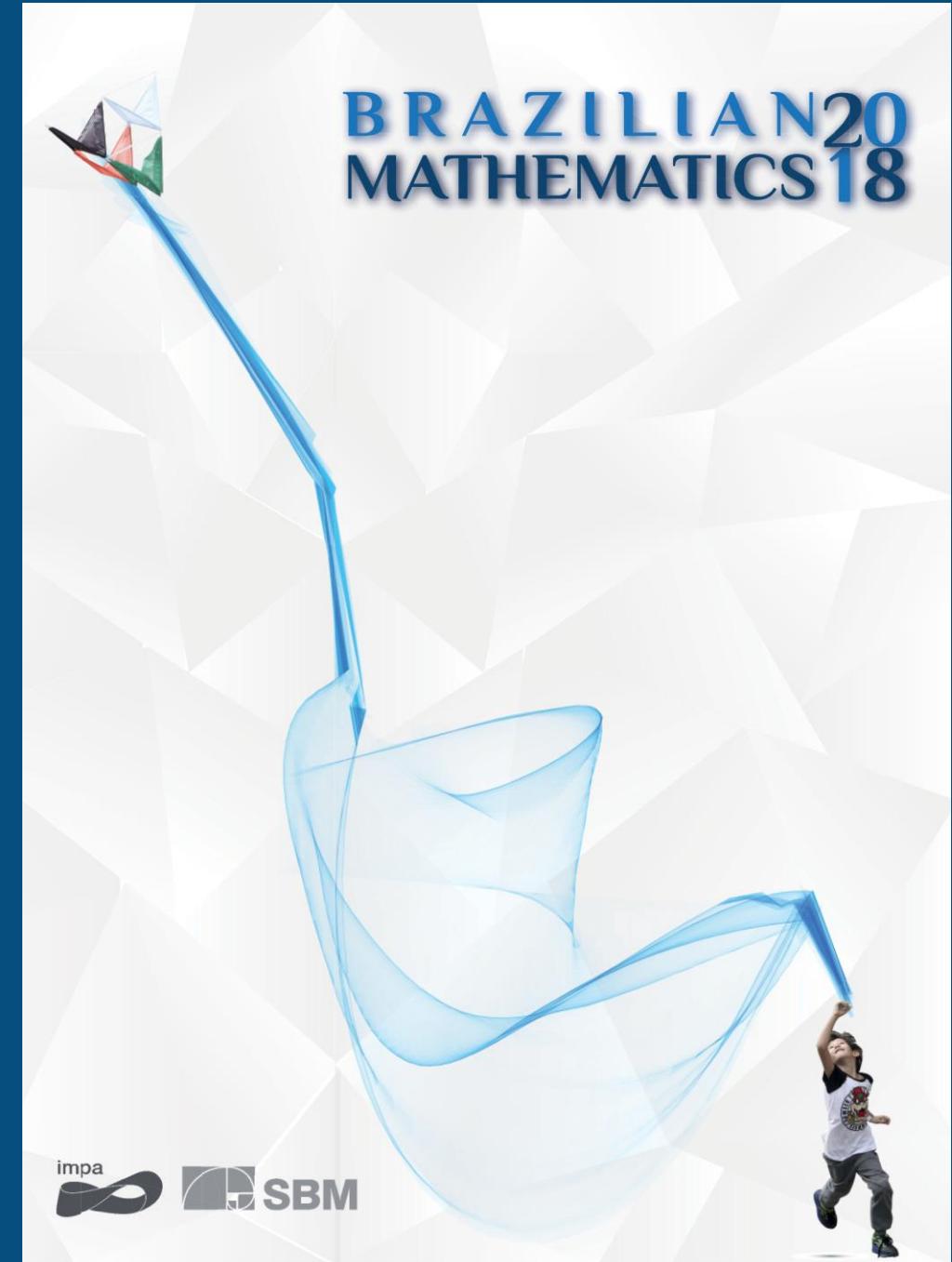
# BRAZILIAN MATHEMATICS



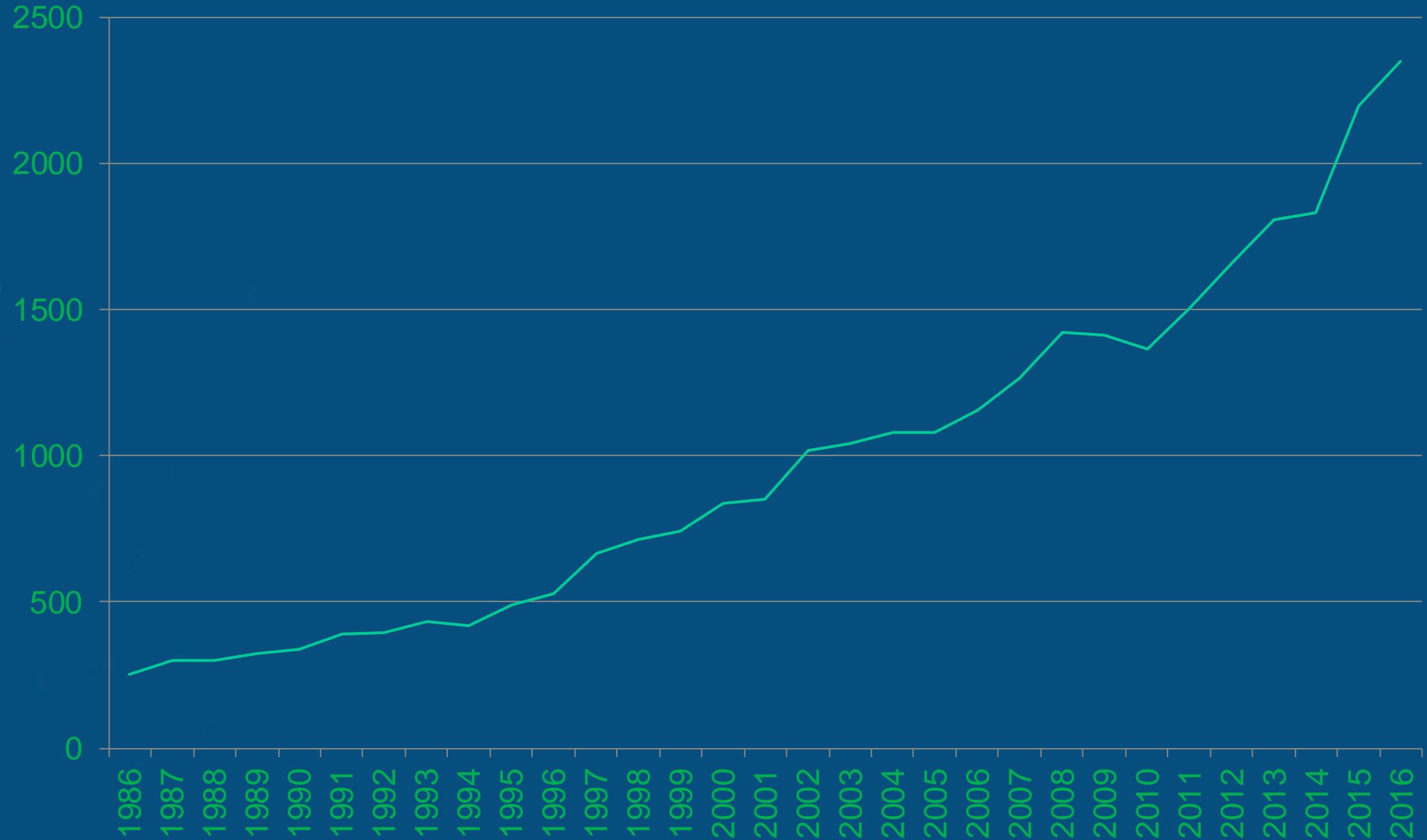


First Brazilian Mathematical Colloquium, 1957

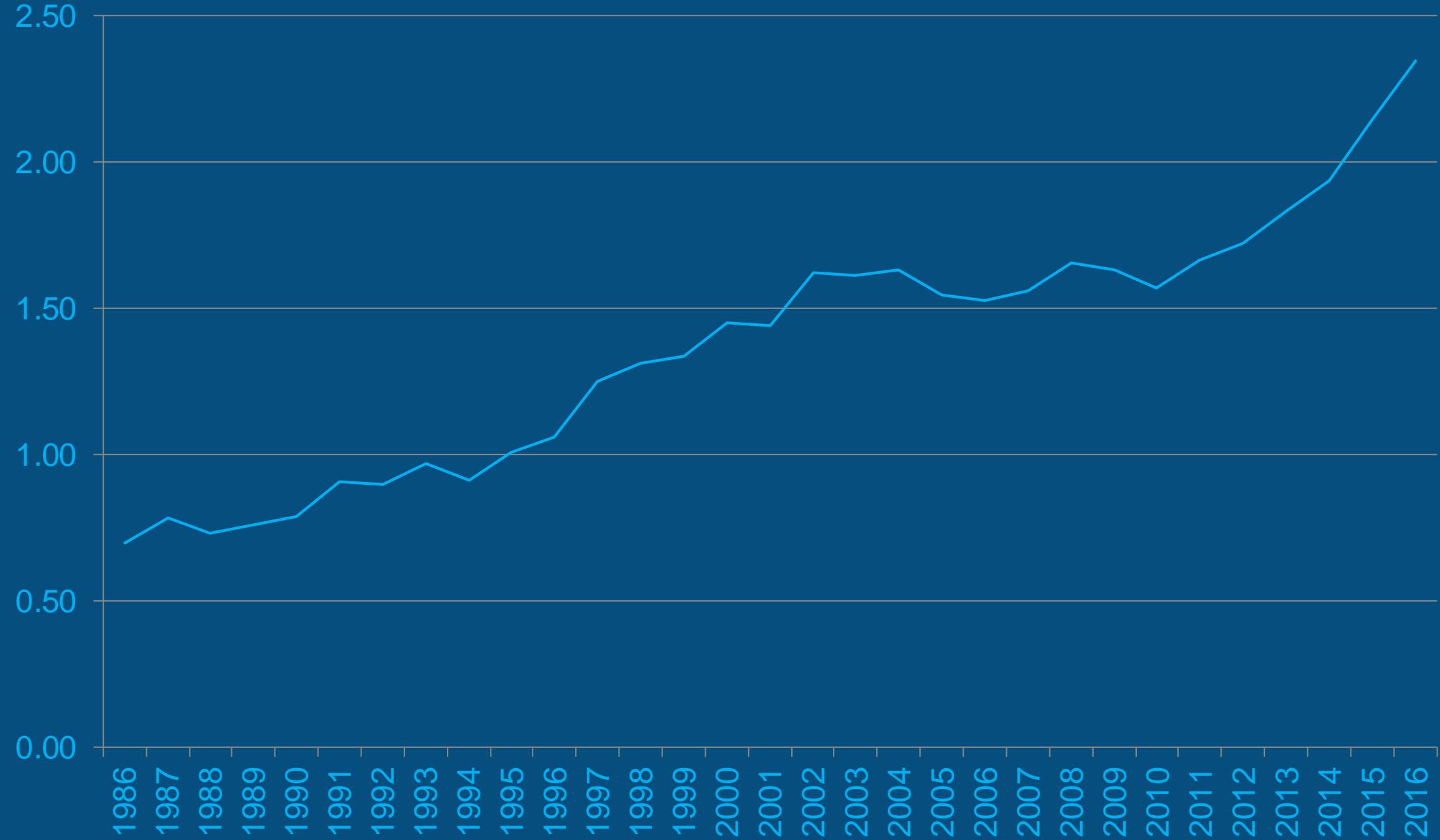
An overview of the progress  
attained over the last decades.



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



## Percentage 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.



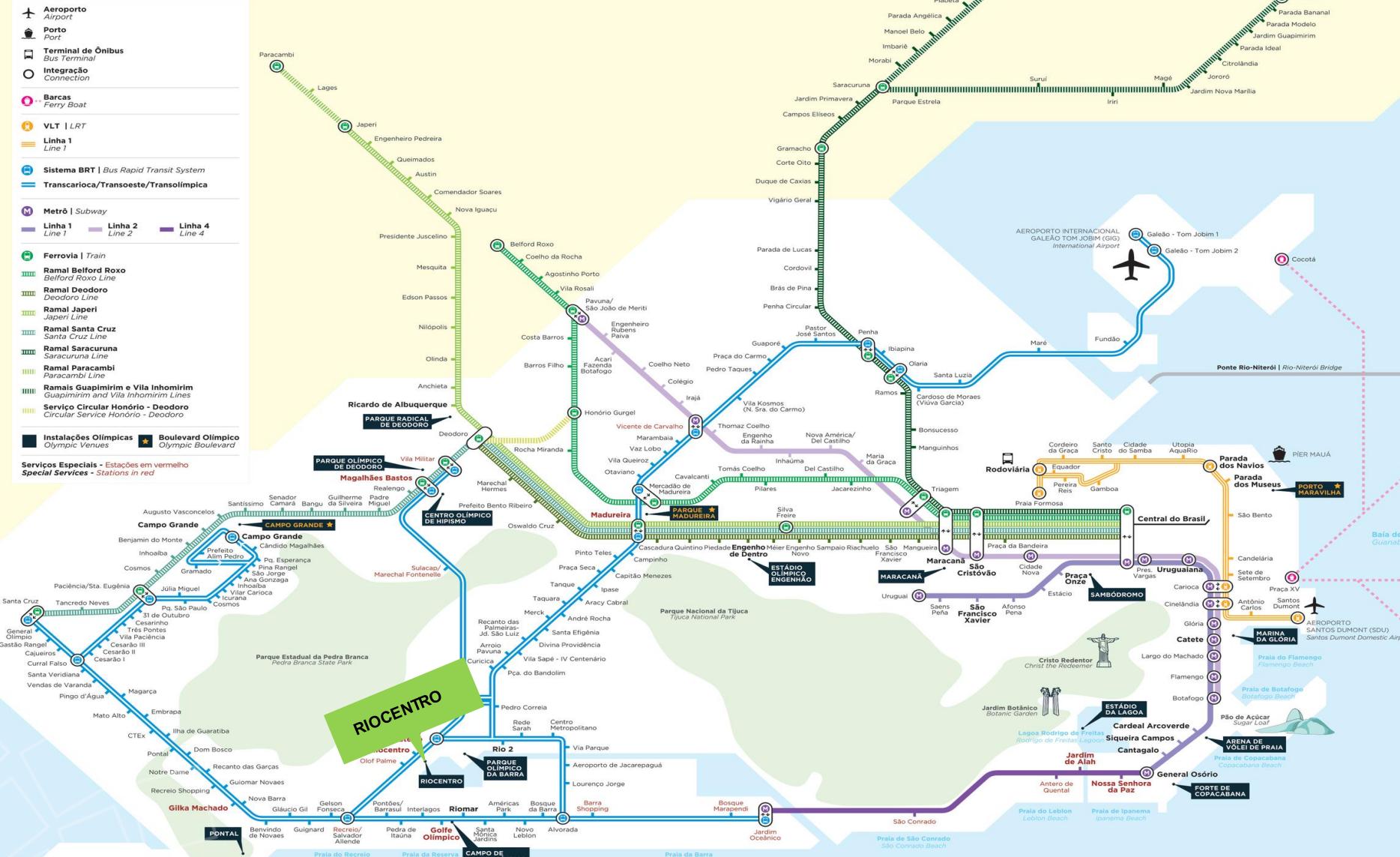
Located at  $22^{\circ}53'S$  and  $43^{\circ}17'W$ , on the Atlantic coast of Brazil. Time zone GMT-3.00.



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



Local currency  
1 Real = 0.25 Euro = 0.30 USD.



# Airport / South zone / North zone / West zone / Riocentro Integration stations with: BRT, Metro

# ACCOMMODATION



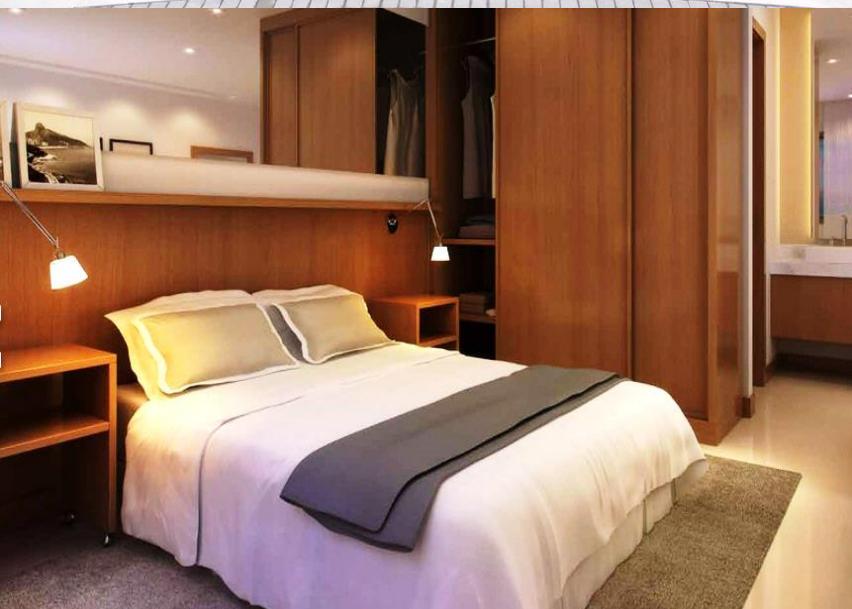
- Over 11,000 hotel rooms, including low cost, within 20 km (or 30 minutes by car) of Riocentro.
- Special rates negotiated with several hotels.

[www.icm2018.org/portal/en/accommodation](http://www.icm2018.org/portal/en/accommodation)

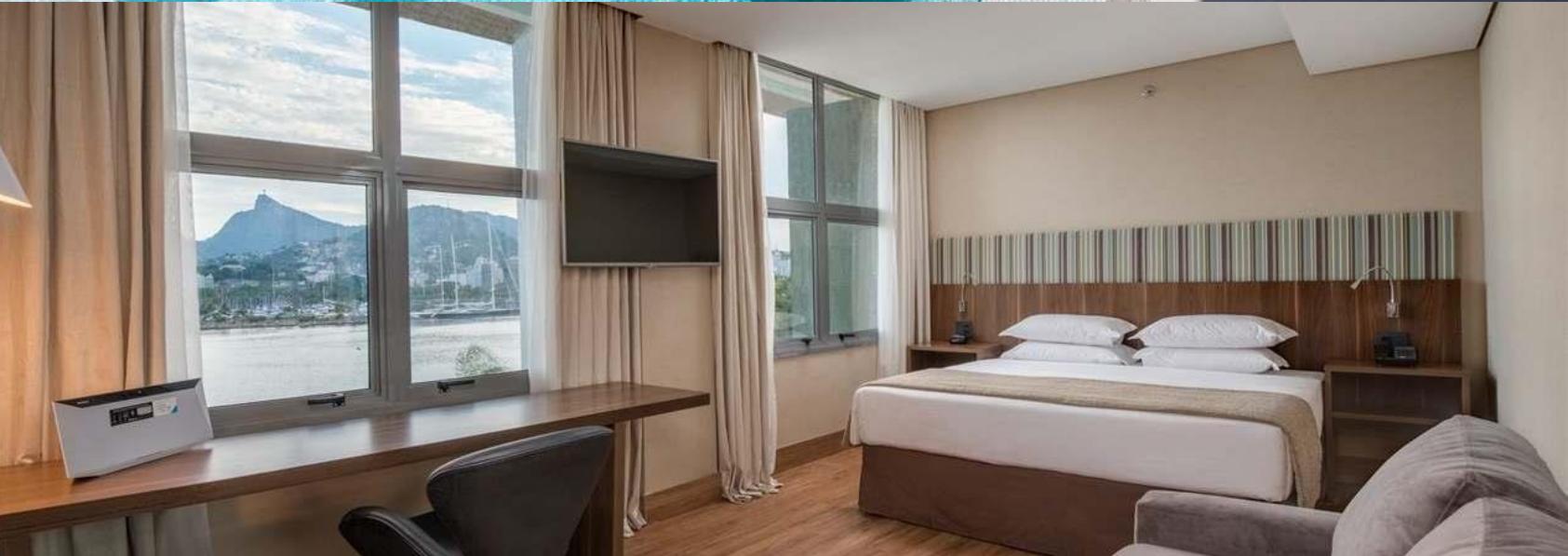
- Many alternatives: hostels, apart hotels, airbnb etc.



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

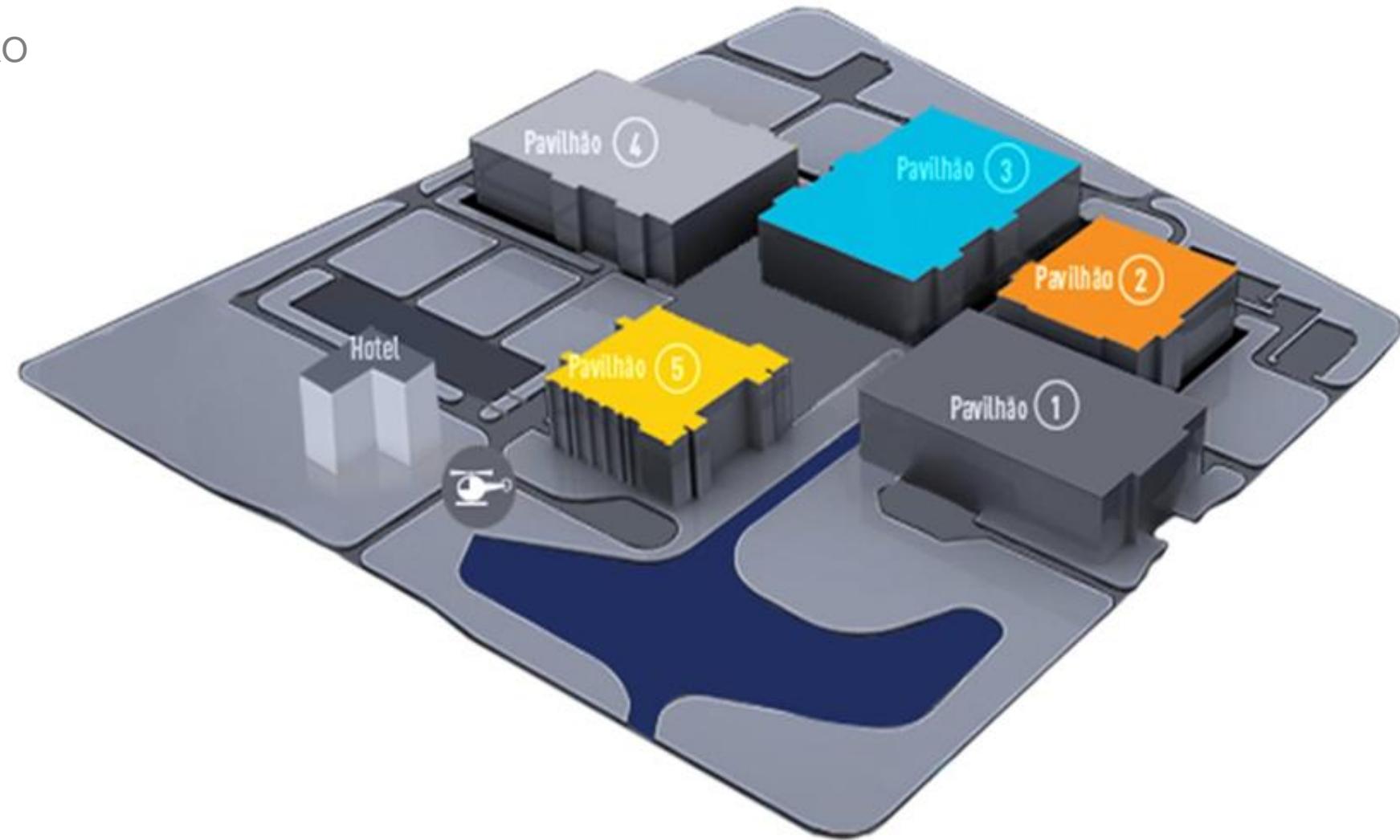


# RIOCENTRO CONVENTION

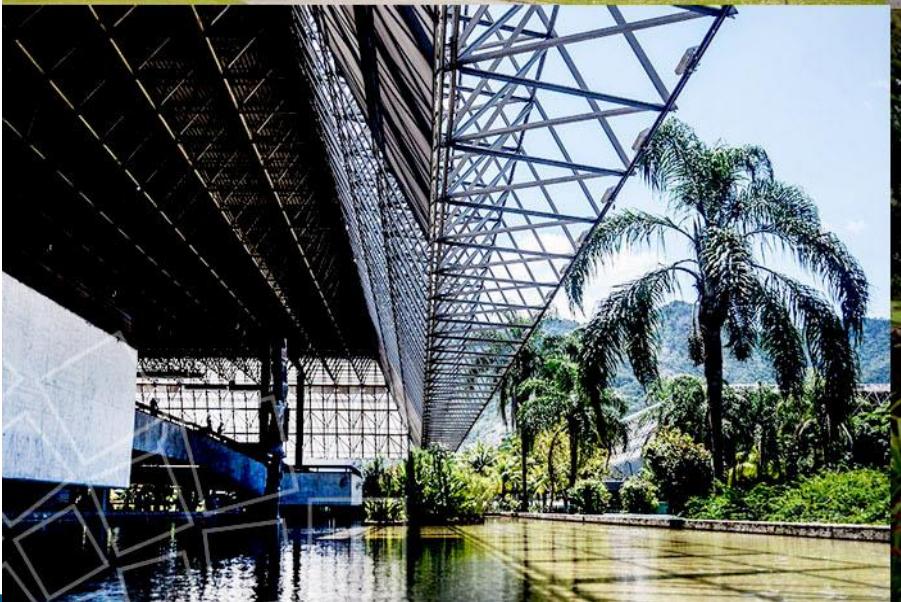


Riocentro Complex - 500,000 m<sup>2</sup> total area  
98,000 m<sup>2</sup> constructed

RIOCENTRO



Riocentro Convention

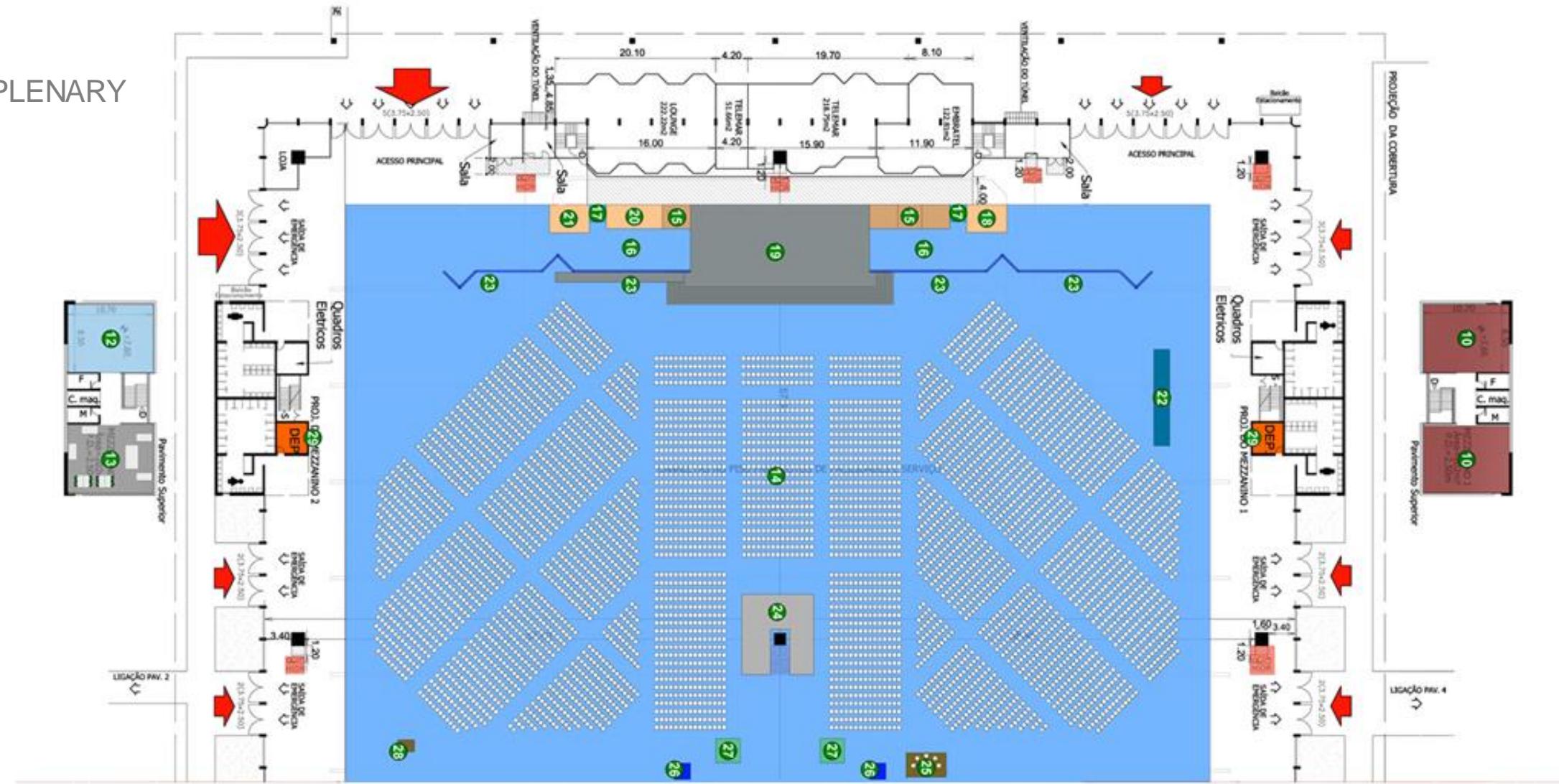


# Riocentro Convention

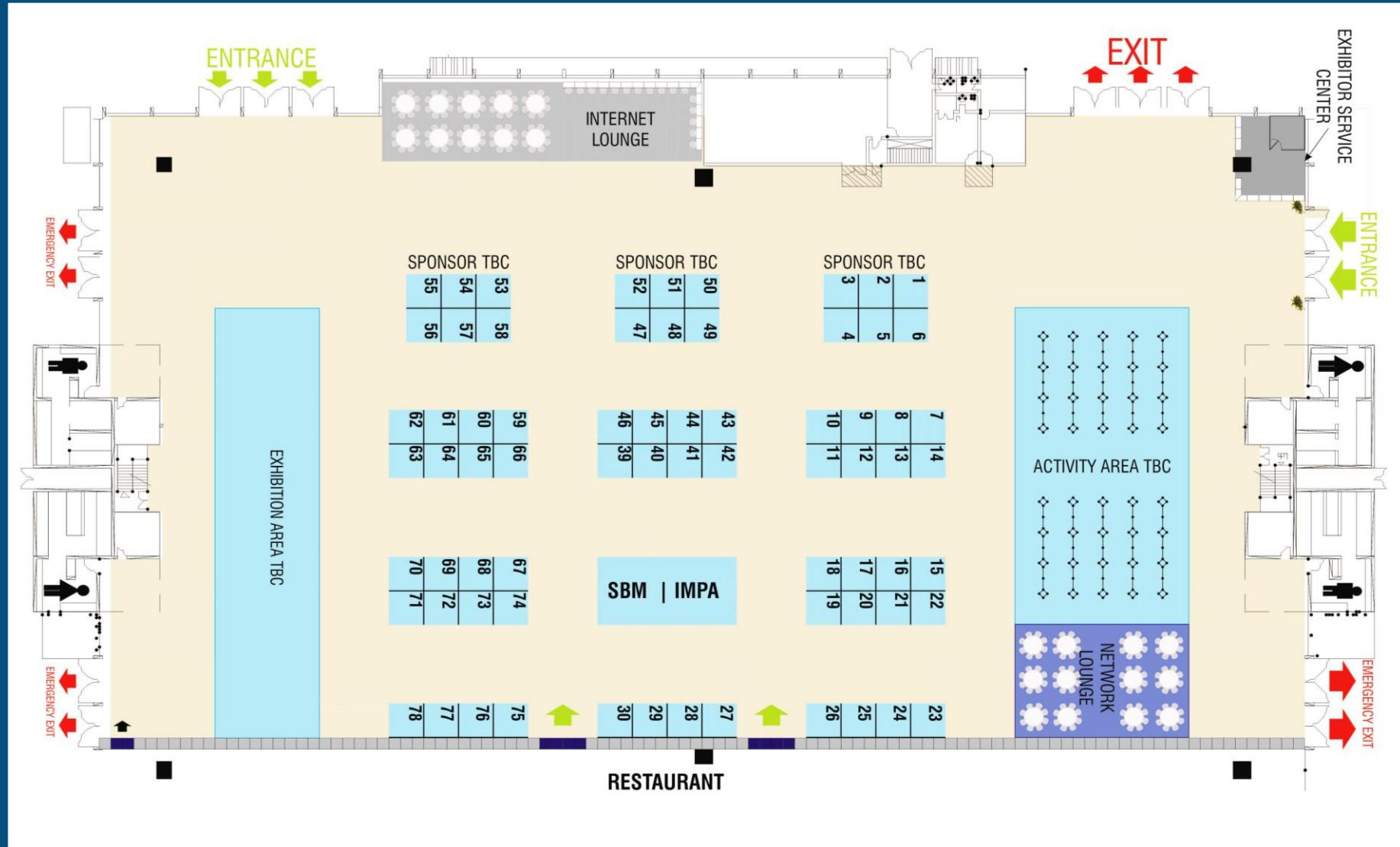


Riocentro Convention

## PLENARY



Plenary Lecture Hall  
(5,350 seats)



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)		2-Aug (Thu)
10:00-22:00 - Registration	7:00-18:00 - Registration	12:00-19:00 - Exhibition	7:00-18:00 - Registration
8:00-18:45 - World Meeting for Women in Mathematics (WM) <sup>2</sup> .	8:30-11:30 - Opening Ceremony	11:30-14:00 - Lunch	9:00-18:30 - Exhibition
	14:00-15:35 - Laudatos - Fields Medal & Nevanlinna Prize		8:30-9:30 - Simon Donaldson
	15:40-16:00 - Coffee Break	16:00-17:35 - Laudatos – Fields Medal, Gauss Prize, Chern Medal & Leelavati Prize	9:40-10:40 - Sylvia Serfaty
19:00-22:00 - Opening Cocktail	17:40-18:00 - Coffee Break	18:00-19:00 - Nevanlinna Prize Lecture	10:50-11:50 - Rahul Pandharipande
		19:00-22:00 - SBM Reception	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)		6-Aug (Mon)
7:00-18:00 - Registration	9:00-18:30 - Exhibition	7:00-18:00 - Registration	7:00-18:00 - Registration
	8:30-9:30 - Andrei Okounkov	8:30-9:30 - Luigi Ambrosio	9:00-18:30 - Exhibition
9:40-10:40 - Greg Lawler	10:50-11:50 - Carlos Gustavo Moreira	9:40-10:40 - Lai-Sang Young	8:30-9:30 - Ronald Coifman
11:50-13:30 - Lunch	11:50 – 13:30 - IMU Circle Meeting	11:50-13:30 - Lunch	9:40-10:40 - Peter Kronheimer & Tom Mrowka
13:30-14:30 - Fields Medal Lecture	14:45-16:30 - Invited Lectures	14:45-16:30 - Invited Lectures	10:50-11:50 - Catherine Goldstein
14:45-17:45 - Short Communications		14:45-19:30 - Math Education and Popularization Invited Panels 1, 2 and 3	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	16:30-17:00 - Coffee Break	17:00-18:45 - Invited Lectures	14:45-16:30 - Invited Lectures
18:00-19:00 - Emmy Noether Lecture - Alice Chang	19:30-22:30 - Gauss Prize & Chern Medal Ceremony / Social Dinner		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)		9-Aug (Thu)
7:00-18:00 - Registration	9:00-18:30 - Exhibition	7:00-18:00 - Registration	7:00-14:00 - Registration
8:30-9:30 - Alex Lubotzky		8:30-9:30 - Assaf Naor	8:30-9:30 - Gil Kalai
9:40-10:40 - Nalini Anantharaman	10:50-11:50 Sanjeev Arora	9:40-10:40 - Georgie Williamson	9:40-10:40 - Michael Jordan
11:50-13:30 - Lunch	13:30-14:30 - Gauss Prize Lecture	11:50-13:30 - Lunch	10:50-11:50 - Vincent Lafforgue
14:45-16:30 - Invited Lectures	14:45-16:15 - IMU Panel 2	14:45-16:30 - Invited Lectures	11:50-14:00 - Lunch
14:45-19:00 - Short Communications	15:30-16:30 - Public Lecture 4	14:45-17:45 - Short Communications	14:00-16:00 - Closing Ceremony
16:30-17:00 - Coffee Break	16:30-18:00 - IMU Panel 3	16:30-17:00 - Coffee Break	
17:00-18:45 - Invited Lectures	18:00-20:00 - IMU Panel 4	17:00-17:45 - Invited Lectures	
		18:00-19:00 - Leelavati Prize Lecture	



# TRAVEL GRANTS

# ICM2018 OpenArms

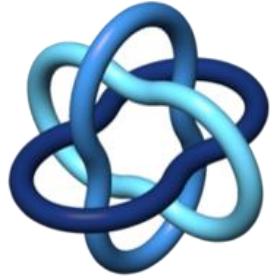
630 travel grants: 500 from IMPA & SBM plus 130 from IMU

- 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)<sup>2</sup>**



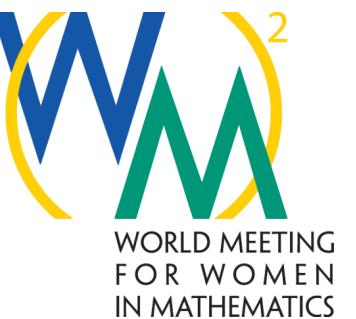


WORLD MEETING  
FOR WOMEN  
IN MATHEMATICS

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 !