



A guide to

# CIRM LUMINY

MANY EXCELLENT REASONS TO CONSIDER CIRM  
OUR SCIENTIFIC ACTIVITIES  
ALL OUR CALLS FOR PROPOSALS

## ESTABLISHED IN 1981 BY THE FRENCH MATHEMATICAL SOCIETY, CIRM IS MEETING NEW CHALLENGES AND STRENGTHENING ITS ALREADY SOLID FOUNDATIONS

The *Centre International de Rencontres Mathématiques (CIRM)* is quite a unique place. Situated on the doorstep of the Calanques National Park, a famous nature reserve in the South of France, the aim of this Centre is to offer the best welcome to researchers from around the world.

Scientists can work together, exchange ideas, share their knowledge and advance the key issues of their discipline. They can also develop ambitious projects with the other sciences and pass on their knowledge and findings to young researchers and doctoral students.

CIRM, often known as 'Luminy', the campus where it is situated, is a nursery for talent, a mathematical melting pot. A particular feature of the centre is its residential quality. With CIRM's dedicated team on hand to take care of their needs, researchers can focus exclusively on their scientific projects.

### Combining excellence with a quality venue

Jointly managed by the SMF French Mathematical Society and by the CNRS National Center for Scientific Research, CIRM works in partnership with Aix-Marseille University and with the French Ministry for Higher Education and Research. It is one of the leading mathematics centres in terms of visitors. An international scientific board monitors the quality of the events organized and selects the recipients of the Jean-Morlet Chair, created in 2013. CIRM is also a key partner in two Research Departments of Excellence in France: Carmin and Archimède and an active member of international networks such as the European Research Centres On Mathematics (ERCOM).

### Increasing its capacity and enhancing its scientific policy

As a well-known centre for worldwide mathematicians, CIRM welcomes over 3,500 visitors annually. The number of excellent proposals received each year is very high and, in order to respond to this growing popularity, the centre is embarking on new building developments (new conference hall, larger seminar room and additional bedrooms) so as to accommodate several events simultaneously by late 2018. Our scientific policy is also evolving to welcome new types of events.

Find out about our new offer in this guide! We hope to see you soon at CIRM!



## MANY EXCELLENT REASONS TO CONSIDER CIRM

### \* AN ALL-IN-ONE VENUE FOR TOTAL SCIENTIFIC IMMERSION

- a unique atmosphere in breathtaking surroundings
- modern and ergonomic facilities for up to 140 visitors - from 2018 - including comfortable lodging, tasty food and well-equipped work areas

### \* AN INCENTIVE POLICY TO PROMOTE AND ENHANCE YOUR EVENT

- a professional team fully dedicated to making your scientific event a success
- a producer of quality videos of research talks and interviews
- dynamic communication with dedicated websites for each event, social network and international presence, etc.

### \* A RANGE OF SCIENTIFIC EVENTS: SOMETHING FOR EVERYONE!

- small groups and research in pairs
- large weekly events such as conferences, research schools and thematic sessions
- multi-year programmes
- knowledge exchange and education

AND LAST BUT NOT LEAST, A PLACE COLLECTIVELY CREATED BY MATHEMATICIANS FOR THEIR PEERS

# OUR SCIENTIFIC CALLS



## 1 CONFERENCES & SCHOOLS

Lasting 5 days and meant to gather between 40 and 90 people, these events aim to give researchers in mathematical sciences the opportunity to present and discuss recent research results, initiate future collaborative projects and cross-fertilize ideas. Every year, CIRM runs around 50 events of this type for an average attendance of 75 participants per week. Selected proposals are granted up to 40 CIRM-subsidized places (free board and lodging onsite).

## 2 MULTI-YEAR PROGRAMMES **NEW**

Many scientific projects need time to achieve results. The aim of these 3-year recurrent events is to have an opportunity to share advances on a common project and to stage key weeks in a multi-year schedule. This is a rare and new opportunity presented by CIRM. Joint agreements stating scientific, planning and budgetary information will be signed between the selected proposers and the Centre. Please note that these events must be financed by external funding (such as ERC, Simons Foundation, NSF, ANR, CRNS, etc.).

These multi-year programmes will concentrate on two particular areas:

### MATHEMATICS

Focusing on any research in pure and applied mathematics

### MATHEMATICS IN INTERACTIONS

Focusing on Mathematics working with other disciplines to answer current or upcoming societal challenges. Interdisciplinary events associating mathematicians, physicists, physicians, biologists, economists and experts from other sciences.

> **First call in September 2016**

## 3 JEAN-MORLET CHAIR

Open to all areas of mathematics or theoretical physics. The Chair offers six-month residential positions in collaboration with a local project leader. Each semester combines the organization of a range of scientific events with a programme of invitations aimed at attracting international researchers to the Provence-Alpes-Côte d'Azur region. Benefits include an attractive salary, publication with Springer-SMF, subsidies for events and special grants for invitations, onsite accommodation etc.

> [www.chairejeanmorlet.com](http://www.chairejeanmorlet.com)

**CALLS FOR PROPOSALS : ONLINE APPLICATIONS  
REGULAR CALLS WITH DEADLINES IN MARCH AND SEPTEMBER EACH YEAR  
APPLY 18-24 MONTHS BEFORE THE START OF AN EVENT**



## OTHER SCIENTIFIC ACTIVITIES

### 4 SMALL GROUPS

For up to 20 participants, lasting 5 days and externally funded (no CIRM subsidy). Small groups run in parallel with other events and focus on a particular problem. Proposals can be sent online at any time and a decision is announced within 4 weeks of sending a proposal. Dates are then arranged with the Events officer.

### 5 RESEARCH IN PAIRS

Events gathering up to 4 researchers at CIRM. Typical duration is 2 weeks but one-week events may be considered in exceptional circumstances. Board and lodging offered during the week and facilities granted to cook independently at the week-end. Proposals can be sent online at any time and a decision is announced within 4 weeks of sending a proposal. Dates are then arranged with the Events officer.

## JOINT PROGRAMMES

### 6 CEMRACS (CIRM & SMAI)

A yearly six-week summer joint programme organized and funded by the Applied and Industrial Mathematics Society.

### 7 SMF SPECIAL EVENTS (CIRM & SMF) **NEW**

Two calendar weeks reserved each year, starting from the second half of 2018. Events proposed and funded by the French Mathematical Society.

### 8 THEMATIC MONTH (CIRM & AMU)

Every February, CIRM and Aix-Marseille University (AMU) stage a 4 or 5-week thematic period devoted to one particular area (Statistics, Probability, Cryptography, etc.). This features conferences and research schools. This special month is sometimes coupled with the general topic of the Jean-Morlet Chair taking place that particular semester.

## KNOWLEDGE EXCHANGE

### 9 INTERFACE PROGRAMME **NEW**

Focusing on Mathematics for society and industry. These new events will be the place for regular meetings on hot topics between academics and engineers and/or other users of mathematical tools. The number of participants may go from 20 to over 60. The format of these events will be quite flexible to include lectures, open meetings to launch new projects, discussions for network planning, etc. Typically, programmes will last around 3 days to combine a working week with a few days at CIRM. Proposers should find external funding. Proposals will be selected by a committee, comprising members of CIRM's scientific committee, as well as representatives of the LabExes, learned societies and industry.

> First call in 2016



## PROFESSIONAL TRAINING & OUTREACH

### 10 INSTITUTIONAL WEEKS & EDUCATION

With enlarged capacities, CIRM will be able to host a higher range of externally-funded training sessions for groups of professionals working with mathematicians on a day-to-day basis. These include the national librarians in mathematics network, IT specialists for maths, the new national network for communication specialists in mathematics etc. CIRM is of course open to welcoming professional training weeks for specialists from other countries.

> First call in 2016





## CONTACT

CIRM Marseille Luminy

[www.cirm-math.fr](http://www.cirm-math.fr)

Audiovisual mathematics library :  
[library.cirm-math.fr](http://library.cirm-math.fr)

 [youtube.com/user/CIRMchannel](https://www.youtube.com/user/CIRMchannel)

 [twitter.com/@\\_CIRM](https://twitter.com/@_CIRM)

 [facebook.com/CirmLuminy](https://facebook.com/CirmLuminy)

CIRM's *raison d'être* is to be a venue that fosters pioneering research in mathematics in interaction with other sciences as well as exchanges and the dissemination of knowledge to the international scientific community.

