



## **SECOND ANNOUNCEMENT**

### **XI SCHOOL OF THE DIVISION OF GRAVITATION AND MATHEMATICAL PHYSICS OF THE MEXICAN PHYSICAL SOCIETY**

## **Quantum Gravity: schemes, models and phenomenology**

Playa del Carmen, MEXICO. December 5-9, 2016

The Division of Gravitation and Mathematical Physics (DGFM) of the Mexican Physical Society (SMF) is glad to announce the celebration of its XI Mexican School. As in previous events, our main goal is to provide an inviting arena for the exchanging and discussion of ideas on top developments in gravitational physics in a pedagogical manner. Apart from researchers, an important number of postdocs and graduate students take part in our School, which in this occasion will be focused on several schemes of quantum gravity and its phenomenology. The scientific program will include four courses and two or three plenary talks, and two sessions of parallel talks. Further details will appear in forthcoming announcements.

The venue will be the Hotel Iberostar (<http://www.iberostar.com/>) located in Playa del Carmen, Riviera Maya, Quintana Roo, Mexico, an inspiring place offering cultural features and natural beauty at the Caribbean coast, in a region where a number of Maya cities once flourished.

## LECTURE COURSES

- **Giovanni Amelino Camelia** (Sapienza University of Rome), Recent advances in quantum-gravity phenomenology,
- **Viqar Husain** (University of New Brunswick), Polymer quantization, time, and quantum gravity
- **Iván Agullo** (Louisiana State University), Loop quantum cosmology and the cosmic microwave background,
- **Alan J. Weinstein** (California Institute of Technology, LIGO), First results from advanced LIGO

## PLENARY TALKS

- **Craig Hogan** (University of Chicago), Exotic Rotational Correlations in Emergent Space-Time
- **Jorge Pullin** (Louisiana State University), Loop quantum gravity with spherical symmetry
- **Tim Koslowski** (ICN, UNAM), *TBA*
- **Robert Öckl** (ICN, UNAM), *TBA*
- **Claus Laemmerzahl** (ZARM, Bremen University), *TBA*

## REGISTRATION

To register send an e-mail to Miguel Sabido ([dgyfm.smf@gmail.com](mailto:dgyfm.smf@gmail.com)) including full name, contact details, institution, title + abstract of your proposed talk. An effort will be made to reasonably accommodate as many parallel talks as possible. Only in the event that the parallel session slots are full, we shall include a poster session.

Deadline for title + abstract submission: September 2. We will respond quickly to all talk requests, so that interested participants can benefit from the early payment of the registration fee (see below).

## STUDENTS

ACCOMODATION: USD \$420 (MX\$ 7,500) in double occupancy

REGISTRATION FEE (MX\$ Mexican Pesos)

*EARLY*. Before September 30: USD 112 (MX\$ 2,000)

*REGULAR*. Between September 30 and October 28: USD 139 (MX\$ 2,500)

## FACULTY AND POSTDOCS

ACCOMODATION: USD \$640 (MX\$ 11,500) in single occupancy  
USD \$420 (MX\$ 7,500) in double occupancy

REGISTRATION FEE (MX\$ Mexican Pesos)

*EARLY*: Before September 30: USD 167 (MX\$ 3,000)

*REGULAR*: Between September 30 and October 28 USD 195 (MX\$ 3,500)

The hotel rate includes 5 nights (Sunday-Friday) in double or single occupancy, and all meals and drinks during the stay. The registration fee includes coffee breaks.

To share room with a specific person, payments should be synchronized as much as possible. Arrival and leaving dates must coincide. Please communicate directly with Guillermo Chacón, ([gchacon@correo.cua.uam.mx](mailto:gchacon@correo.cua.uam.mx)).

The hotel charges a daily entrance fee for people not hosting in Iberostar due to its all-inclusive system.

NOTICE THAT REGISTRATION WILL BE CLOSED BY NOVEMBER 28. To ensure availability of this special rate, early payment is advised since only a fixed number of rooms have been booked. Those who want to register after this date, or the pre booked rooms have been occupied, must contact the hotel directly\* to check for availability.

\*Connie Figueroa ([grupos.playacar@iberostar.com.mx](mailto:grupos.playacar@iberostar.com.mx)) Tel. +52 (984) 877 20 00 Ext. 3138

## REGISTRATION FEE PAYMENT AND RECEIPTS

In order to get your receipts for the registration fee please send a copy of the deposit slip to Guillermo Chacón, ([gchacon@correo.cua.uam.mx](mailto:gchacon@correo.cua.uam.mx)) and, for domestic participants, full RFC information.

### **Domestic participants:**

Bank: Banco Nacional de México (Banamex)

Account number (Mexican pesos): 1866151 Sucursal 349

CLABE: 002180034918661519

Beneficiary: Sociedad Mexicana de Física A.C.

The deposit amount must correspond to the fee that applies according to schedule above. The receipt will be produced in Mexican pesos.

### **International participants:**

Bank: Banco Nacional de México (Banamex) Account number (US dollars): 9345347 Sucursal 349

Swift code: BNMXXMM  
Bank code: 002180034993453470  
Beneficiary: Sociedad Mexicana de Física A.C.

## PROCEEDINGS

The proceedings of the school will be published in the journal IOP Conference Series, of the Institute of Physics. Instructions and sample files to the required format may be found on the website (<https://conferenceseries.iop.org/content/authors>).

The extent of the contributions is free, but the following are suggested:

- Courses: 20 pages
- Plenary Talks: 10 pages
- Parallel Talks: 5 pages

Contributions must be written in English and will be peer reviewed. Papers should be sent to Miguel Sabido ([dgfm@gmail.com](mailto:dgfm@gmail.com)) in PDF format, as well as the necessary permission to reproduce material from other publications, if required.

## TRANSPORTATION

The best way to get to Playa del Carmen is by airplane to the Cancun International Airport <http://www.cancun-airport.com/>. From there you can take a shuttle or a taxi to go directly to Hotel Iberostar situated on Playacar, Playa del Carmen, or take a bus to Playa del Carmen and from there a taxi to the hotel, (approx. 60 min). The hotel Iberostar is 15 min away from Xel Ha, half an hour from Xcaret, 45 mins from Tulum, among others. Riviera Maya has a lot of touristic places like Maya ruins, beaches, adventure centers, etc., for more information, you can visit: <http://www.visitmexico.com/en/mayan-riviera>.

FOR FURTHER INFORMATION CONTACT THE ORGANIZING COMMITTEE ([dgyfm.smf@gmail.com](mailto:dgyfm.smf@gmail.com))

## ORGANIZING COMMITTEE:

- Hector Hernández Hernández (UACH)
- Miguel Sabido (UGTO)
- Guillermo Chacón (UAM-C)

## ADVISORY COMMITTEE:

- Dario Núñez (ICN-UNAM)
- Tonatiuh Matos (CINVESTAV-IPN)
- Hugo Morales (UAM-I)