



FIRST ANNOUNCEMENT

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

**Reaching a Century:
Classical and Modified General Relativity's
Attempts to explain the evolution of the
Universe.**

Playa del Carmen, MEXICO. December 1-5, 2014
ALMOST A CENTURY OF THE EINSTEIN'S THEORY OF GRAVITATION

The **Gravitation and Mathematical Physics Division (DGFM)** of the **Mexican Physical Society (SMF)** is glad to announce the celebration of its **X Mexican School**. As in previous ones, our main goal is to provide an inviting arena for exchanging and discussion 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 the discussion of classical and modified general relativity. The scientific program will include five courses and four plenary talks, and there will also be time for about 40 parallel talks. Further details will appear in <http://www.smf.mx/~dgfm-smf/EscuelaX/index.html> and 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

- *Gravity: newtonian, post-newtonian and relativistic*, **Clifford Will**.
- *The cosmological constant problem from a modified gravity perspective*, **Tony Padilla**
- *Neutron stars*, **Dany Page**
- *Testing gravity at cosmological scales*, **Ignacy Sawiki**
- *Modified Gravity and its Predictions*. **Andrew Tolley**

PLENARY TALKS

- *Inhomogeneous Cosmology*, **Roberto Sussman**
- *Supernova Data an the accelerating cosmos*, **Robert P. Kirshner**

REGISTRATION

To register send an e-mail to **Maria de la Luz Rodriguez** (malu@fis.cinvestav.mx) 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 19. We will respond quickly to all talk requests, so that interested participants can benefit from the early payment of the registration fee (see below).

REGISTRATION FEE (MX\$ = Mexican Pesos)

FACULTY AND POSTDOCS

EARLY: Before October 10: USD 690 (MX\$ 9,000)

NORMAL: Between October 11 and Oct. 31 USD 730 (MX\$ 9,500)

LATE: Between November 1 and Nov. 29: USD 770 (MX\$ 10,000) if there is space available.

Registration includes 6 nights in double occupancy, school fee, coffee breaks and all foods and drinks during the stay. There is an extra charge for single occupancy.

STUDENTS

EARLY: Before October 10: USD 620 (MX\$ 8,000)

NORMAL: Between October 11 and Oct. 31: USD 650 (MX\$ 8,500)

LATE: Between November 1 and Nov. 29: USD 730 (MX\$ 9,500) if there is space available.

Registration includes 6 nights in triple occupancy, school fee, coffee breaks and all foods and drinks during the stay.

NOTICE THAT REGISTRATION WILL BE CLOSED BY OCTOBER 31. The hotel charges a daily entrance fee for people not hosting in Iberostar due to the all inclusive hotel's system.

REGISTRATION FEE PAYMENT

*Please send a copy of the deposit slip to **Miguel Sabido**
msabido@fisica.ugto.mx.

Domestic participants:

Bank: Banco Nacional de México (Banamex)

Account number (Mexican pesos): 1866151 Sucursal 349

CLABE: 002180034918661519

Beneficiary: Sociedad Mexicana de Fisica 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: BNMXXMXXMM

Bank code: 002180034993453470

Beneficiary: Sociedad Mexicana de Fisica A.C.

NOTES:

(i) To share room with a specific person, payments should be synchronized as much as possible. **Arrival and leaving dates must coincide.** Communicate to Maria de la Luz Rodriguez malu@fis.cinvestav.mx the corresponding names.

(ii) To ensure availability of special prize and room, early payment is advised since only a fixed number of them have been booked. They will be provided on a first arrived - first served basis.

RECEIPTS

In order to get your receipts for the registration fee please send (e-mail preferred)

(1) copy of the deposits slips for the registration deposit, and

(2) [for domestic participants] full RFC information

to: **Miguel Sabido, e-mail: msabido@fisica.ugto.mx**

PROCEEDINGS

The proceedings of the school will be published elsewhere. Details will be given in forthcoming announcements and in our webpage.

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, etc. 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 LOCAL ORGANIZING COMMITTEE OR CHECK OUR WEBPAGE: <http://www.smf.mx/~dgfm-smf/>

LOCAL ORGANIZING COMMITTEE

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ADVISORY COMMITTEE:

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