

Festival de Théorie

**Turbulence overshoot  
and resonant structures  
in fusion and astrophysical plasmas**

4–22 July 2005

*Aix-en-Provence, France*

**1<sup>st</sup> ANNOUNCEMENT**

**Scope of the meeting**

The **Festival de Théorie** is an initiative that aims at organising theory working groups on well-focused subjects in magnetised plasma physics. The international meetings will gather 25 to 35 experts during three weeks.

The **objective** is three fold. First, the participants will present the most recent results in the field and promote new ideas. Secondly sub-groups will be formed and start new common work on the subject. In this regard, it is expected that the participants will cover a broad spectrum of expertise. The third objective is to provide educational training for PhD and post-doc students.

The **third meeting** of the "Festival de Théorie" will be organised from July 4th to July 22th 2005 in Aix en Provence. The subject will be "**Turbulence overshoot and resonant structures in fusion and astrophysical plasmas**". Participants will come from various fields of research, namely fusion, space and astrophysics. To date 4 topics are considered,

1. **turbulence overshoot, or spreading, in star convection zones and fusion plasmas**
2. **interaction of overshoot with shear layers and transport layers**
3. **particle acceleration and resonant transport**
4. **relaxation and reconnection**

We look forward to your strong contribution to the scientific organisation. In the registration form please check those topics you will contribute to. New proposals are welcomed.

## Scientific organisation

Each half-day of the meeting will start with a presentation given by each participant. Morning presentations will be dedicated to tutorial lectures. Blackboard presentations and discussions will be promoted. Most of the time will be shared between individual work and discussions in working groups.

Written contributions should be produced. Part of the work during the Festival should be dedicated to work on the papers. As for the 2003 Festival, we wish to publish a book with the outstanding contributions.

You are invited to participate after selection by the Scientific Committee. This invitation covers the 3 weeks of the venue. We strongly encourage a participation of 2 weeks minimum. The number of participants is limited to about 35 senior scientists. We wish to keep the Festival de Théorie open to less experienced theoreticians, Post-docs and PhD students.

Some financial support was offered to several participants in 2001 and 2003. Such a support should also be available for the present meeting. Should you ask for such a support, please check this point in the registration form given below.

## Site

These meetings are organised jointly by the LPIIM (CNRS-University of Provence) and CEA Cadarache. The present meeting will be organised on the campus of University of Aix-Marseille III, located in Aix-en-Provence. Offices and microcomputers connected to the network will be available.

Aix-en-Provence is a beautiful city in Provence, close to the "Luberon" hills and vineyards. Many festivals take place in Provence on July, in particular the "Festival d'Art Dramatique" in Avignon and the "Festival d'Art Lyrique" in Aix-en-Provence.

## Accommodation

Due to the "Festival d'Art Lyrique", a limited number of rooms has been booked. Few possibilities are available within a walking distance to the campus : two residences and three hotels. The residences are suitable for a family stay.

Please send the enclosed form before March 25<sup>th</sup>, 2005 to :

Ms Angèle CORSO-LECLERCQ,

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**1/ Hotel Residence “Les Jardins Mozart”** : 3 minutes walk from the Cours Mirabeau, the residence is situated in the new residential and cultural area of Aix-en-Provence. This very new building holds 90 fully furnished flats, from one to four rooms. The residence offers services as :

Reception desk open 6 days/7

Mail and fax delivery, maintenance visitor assistance\*

Access to the residence with a personal magnetic key

Cafeteria for breakfast\*

Internet access\*

Coin-operated washers and dryers\*

A storage area

A public phone in lobby\*

Linen kit (sheets and towels) and dishes kit (cooking utensils and dishes)

Un underground parking\*

Microwave rental\*

Housekeeping once a week\*

\*services with extra charge.

Summer 2005 short stay rate/pers/week**	studio (1 pers.)	T2 (1 or 2 pers.)
1 week	280 €/week	225 €/pers/week
2 weeks	245 €/week	200 €/pers/week
3 weeks	235 €/week	180 €/pers/week
To guarantee the booking (Handling fees)	80 €	80 €
Guarantee deposit ( <i>given back at the end of the stay if no damage discovered</i> )	150 €	300 €

## 2/ Hotel La Rotonde (\*\*\*)

Recently restored, located in the centre of Aix-en-Provence, hotel La Rotonde has 42 comfortable and air-conditioned rooms, all equipped with mini-bar, direct phone, modem plug and satellite TV, a pleasant bar in the hall and private car park and garage.

Single room, breakfast included : 65 €/ night tax included

Double room, breakfast included : 80 €/ night tax included

Double room with Twin beds, breakfast included : 90 €/ night tax included

Nota: the night 14/07 the hotel is already full.

### 3/ **Apart'Hotel Citadines-Aix/Jas de Bouffan(\*\*\*) :**

Perfectly located: 5 mn (by car or bus) far from cours Mirabeau (in front of "la foundation vasarely"), in a flowered, green area, surrounding a nice swimming pool. all the apartments are equipped with linen, plates and dishes. a wide range of services "a la carte" are provided for your comfort. multilingual reception from 8 am to 12 am and 2 pm to 8 pm every day. parking free. garage in charge. pets are allowed in charge.

studio one person : 63 €/night.

see details on our website.

[http://www.aixenprovencetourism.com/uk/liste-residence-aix-R\\_CIJAS.html](http://www.aixenprovencetourism.com/uk/liste-residence-aix-R_CIJAS.html)

### 4/ **Hotel La Artea (\*\*)**

Hotel Artea where darius Milhaud lived welcomes you. this hotel is near by the "cours Mirabeau" and the "Rotonde".

Single room: 72 €/night

Double room: 87 €/night

Continental Breakfast 7 €

Tax : 0.70 €/per night & per person

### 5/ **Hotel Le Globe (\*\*)**

This hotel is situated in the centre of the old town, near by the "Therms". The style is modern, it's a comfortable and charm hotel. There is a terrace on the roof. Private garage. You may ask for availability.

Single room: 49 €/night

Double room: 59 €/night

Continental Breakfast 8 €

Tax : 0.70 €/per night & per person

## Meals

Several restaurants and cafeterias are available around the workshop site and downtown, the cafeteria on site is equipped with a microwave.

## Transportation

Aix-en-Provence is accessible by bus, train or car from Marseille (25 km) or Nice (180 km). Shuttles are available every 30 minutes between Marseille-Marignane airport and Aix-en-Provence bus station. Rental cars are available at the Marseille-Marignane airport or in Aix-en-Provence downtown. Driving in the old part of the city of Aix en Provence is near impossible. The University hosting the meeting is just out of the old city and car access and parking is possible.

More details on the meeting can be found on the web site :

<http://www-fusion-magnetique.cea.fr/festival-theorie/index.html>