

CALPHAD XLVI

Saint-Malo, France

June 11-16, 2017



General information

Phone:

The international code for France is +33. All the phone numbers in France have ten digits. The first is always 0 and should not be dialed from abroad. The second number is an area code (1 for Paris, 2 for the West of France, 6 or 7 for cell phones).

Example: from France dial 02 99 12 34 56, from abroad +33 2 99 12 34 56

Electric plug socket:

Normal European socket: 230 V, 50 Hz, type C/E



Medical problems:

While in Saint-Malo, we strongly recommend to use the service of the company SOS Médecins. They have 7/7 24/24 service. Phone number is 08 26 46 35 35 or +33 8 26 46 35 35.

Bus:

To travel between the train station and the conference center and old town, you can use the bus. From the train station "Gares", take either line 1, 2 or 3 up to "Intra-Muros" (old town, final stop). The Palais du Grand Large is just a few meters away. A map of the local bus network can be accessed by clicking on [this link](#). Tickets can be bought at the train station and at "Intra-Muros" final stop.

Taxis:

Phone number: 02 99 81 30 30 or +33 2 99 81 30 30

Information about the conference

WiFi: available inside the Palais du Grand Large with the following connection parameters:

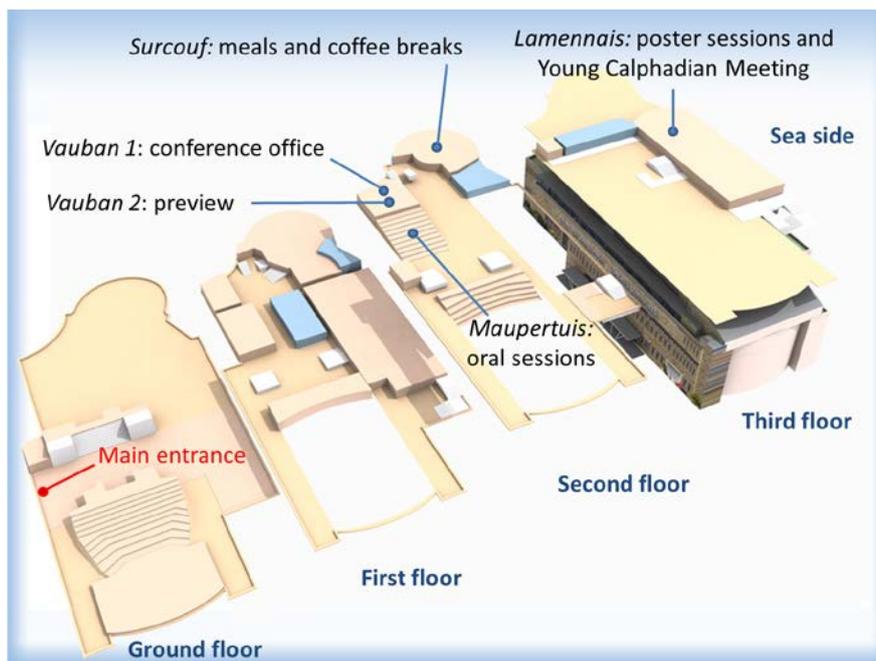
login: CALPHAD

password: calphad2017

Color code for name tags:

- attendees: white
- accompanying persons: blue
- staff: yellow
- guests: green

Map of the conference site:



Young Calphadian Meeting:

This is an informal meeting of younger participants of the Calphad conference. Everybody (young and less young attendees) are welcome. The only request is to be able to sit on the floor. It will take place in the poster room (Espace Lamennais) Monday 12, from 21.00. Confirmed calphadians (among them Bo Sundman and Catherine Colinet) will talk about their experience and will exchange with younger people. The session is organized by Stéphane Gossé. A bar will be available and free drinks will be provided to the participants of this session.

Program of the computer session:

A computer session will take place on Tuesday 13, evening after dinner in the auditorium (Maupertuis). The new features of commercial programs will be presented. The session will be chaired by Alexander Pisch.

21.00-21.30 What is New in Thermo-Calc by Qing Chen

21.30-22.00 Demonstration of Pandat software by Shuanglin Chen and Rainer Schmid-Fetzer

22.00-22.30 Fact-Sage by In-Ho Jung

Preview room:

Oral presentations have to be uploaded before the talk in a preview room (Vauban 2). The preview room and a technician will be available already on Sunday 11 (16.00-19.00), and all along the conference time (8.00-12.30 and 13.30-17.00). Be sure that your slides (in Power Point or pdf format) have been uploaded at least one session before yours. The chairmen will check this.

Oral sessions:

We had a very large number of requests for oral presentations. In order to give the possibility to most people (especially younger participants) to present their communication orally, we had to limit the time slot to 15 mn (12 mn + 3 mn questions). This is as was done in the Genova conference two years ago. Make sure to respect the time limit.

Poster sessions:

There will be two poster sessions in Lamennais:

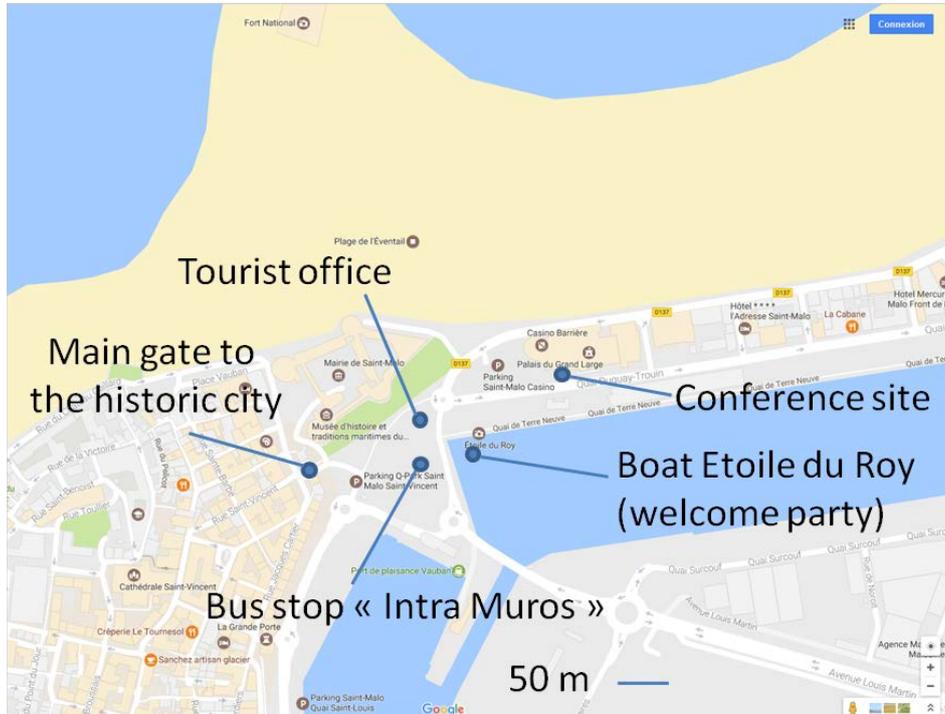
- session A: Monday 12, from 15.30 to 18.00
- session B: Tuesday 13, from 15.30 to 18.00

The chairman of the poster session is Mikael Perrut. All the posters (A and B) will be displayed together at the same time. Authors are requested to present their poster during one of the two sessions, according to the letter associated with their poster (A or B). In addition, the posters will be available at any time Monday and Tuesday, in particular in the evening after dinner for free viewing. The posters can be installed as soon as Sunday 11, in the afternoon after registration. The posters should be removed by Tuesday evening 22.00. The dimensions of the poster panels are 110 cm in height and 95 cm in width (approximately A0 portrait layout). The poster panels are in felt and the posters can be attached by velcro stickers (provided).

Social program

Welcome party:

The welcome party will take place on the boat [L'étoile du Roy](#) almost in front of the main entrance of the Palais du Grand Large from 20.00 on Sunday 11.



Excursion:

The conference excursion will take place in Mont Saint-Michel on Wednesday 14. It includes the travel there and the visit of the Abbey. We will leave immediately after the Wednesday morning oral session. Lunch boxes will be distributed and it will be possible to eat on the bus during the travel. Return to Saint-Malo is expected at 18.30. One hour will be given to go back and dress at the hotel before leaving for the banquet by bus at 19.30.

Conference dinner:

The conference dinner will take place at [Manoir de Pontbriand](#) in Pleurtuit, Wednesday 14 approximately from 20.00 to 23.00.

Accompanying person program:

- Monday, June 12: visit of Saint-Malo

Discover Saint-Malo from 10.00 with a guide who'll meet you at the Congress Center at 9.45. Then, you'll enjoy to taste savory and sweet pancakes in a creperie with a beautiful view on Saint-Malo Bay. On the afternoon, a boat tour will offer you to explore this wonderful bay.

You'll be free at 16.00.

- Tuesday, June 13: excursion to Cancale

The bus will pick you up at the Congress Center at 9.30. We offer you to visit an authentic ship-owner house. The owners will welcome you to tell you the history and many details about their marvelous house. Then, you'll discover an oyster farm and you will have lunch there. At the beginning of the afternoon, you will have free time in the small harbour of Cancale.

The return is planned at about 17.00 in Saint-Malo.

- Thursday, June 15: excursion to Dinan

The bus will pick you up at the Congress Center at 9.30. A guided visit of the Maison de La Rance will offer you to discover one of the most remarkable estuaries of Brittany: the Valley of La Rance. This river runs through Dinan and its estuary is near Saint-Malo. A table is booked for you for the lunch in a restaurant near the river. After lunch, you'll visit the medieval city with a guide. The return is planned about 17.30 in Saint-Malo. On the road you will have a stop at the tidal power station of La Rance.

Tourism and shopping in Saint-Malo

Walks (nice walks are underlined on the map):

- old town
- city walls: one may walk around the city up on the city walls
- grand bé: this is an island close to the city. The famous writer Châteaubriand is buried there. One may get there at low tides but be careful not to get surrounded by the sea. If it happens, **never try to come back swimming**. It is extremely dangerous. You have to wait a couple of hours.
- the dike : west from the conference site, terminates two kilometres away at a nice bar 'La Caravelle'
- Les Bas Sablons, Cité d'Aleth (nice views over the city), Solidor (old medieval tower and pretty harbour).
- boat tours: many possibilities by the [Compagnie Corsaire](#) including Dinard, Cézembre, Cap Fréhel from the Cale de Dinan in front of the Porte de Dinan of the old town



Nice shops:

- Epices Roellinger (12 rue Saint-Vincent, spices from the famous chef Olivier Roellinger)
- L'odyssée (4 Rue du Puits aux Braies, bookshop)

- Librairie du Môle (12 Rue de Dinan, bookshop)
- Galerie Plisson (7 Passage de l'Émerillon, art gallery, photographs)
- Gauthier Marines (2 Rue Porcon de la Barbinais, nautical decoration)
- A l'aise Breizh (13 Rue Broussais, Brittany fashion)
- Armor Lux (5 Rue Gouin de Beauchesne, the famous Breton clothing line)
- La Maison Générale (4 Rue de la Corne de Cerf, home design)

Good places to visit:

Touristic sites:

- Hôtel d'Asfeldt
- Saint-Malo museum
- the cathedral
- hôtel André Désilles
- maison de la Duchesse Anne
- Fort National

Bars:

- Les Ambassadeurs (bar of the hotel, terrace on the roof with a fabulous view)
- La Caravelle (95 Digue de Rochebonne, at the end of the dike, see view)
- Le Dock (41 Quai Duguay-Trouin, also restaurant, close to the conference site)
- La Belle Epoque (11 Rue de Dinan, old city)
- l'Univers (Place Châteaubriand, old city)
- Le Café du coin d'en bas de la rue du bout de la ville d'en face du port (3 Rue Sainte-Barbe, beer bar, old city)

Restaurants:

Inside the old town:

- La Brigantine (13 rue de Dinan, crêperie)
- Le Corps de Garde (3 Montée Notre Dame, crêperie, on the city walls)

- Breizh Café (6 Rue de l'Orme, crêperie, more elaborated)
- Le Timothy (7 Rue de la Vieille Boucherie, crêperie and much more)
- L'Absinthe (1 Rue de l'Orme, restaurant)
- Sanchez (9 Rue de la Vieille Boucherie, ice-creams)
- Le Chalut (8 Rue de la Corne de Cerf, Michelin-starred)

Outside the old town but not far:

- La Brasserie du Sillon (3 Chaussée du Sillon, restaurant, nice sea view)
- Le Dock (41 Quai Duguay-Trouin, pub and restaurant)
- Extra Muros (Gare maritime de la Bourse, restaurant)
- Le Cap Horn (100 Boulevard Hébert, fancy restaurant of the thalassotherapy center)

A bit further:

- Saint-Placide (Place du Poncel, Michelin-starred at 3 km, very good)
- Le bistrot de Solidor (1 Place Saint-Pierre, at 3 km, on the Cité d'Aleth)
- Le Coquillage (Saint-Méloir, Michelin-starred, the restaurant of the famous chef Olivier Roellinger, at 12 km)
- La Gouesnière (Saint-Méloir, Michelin-starred, at 14 km)

Spa:

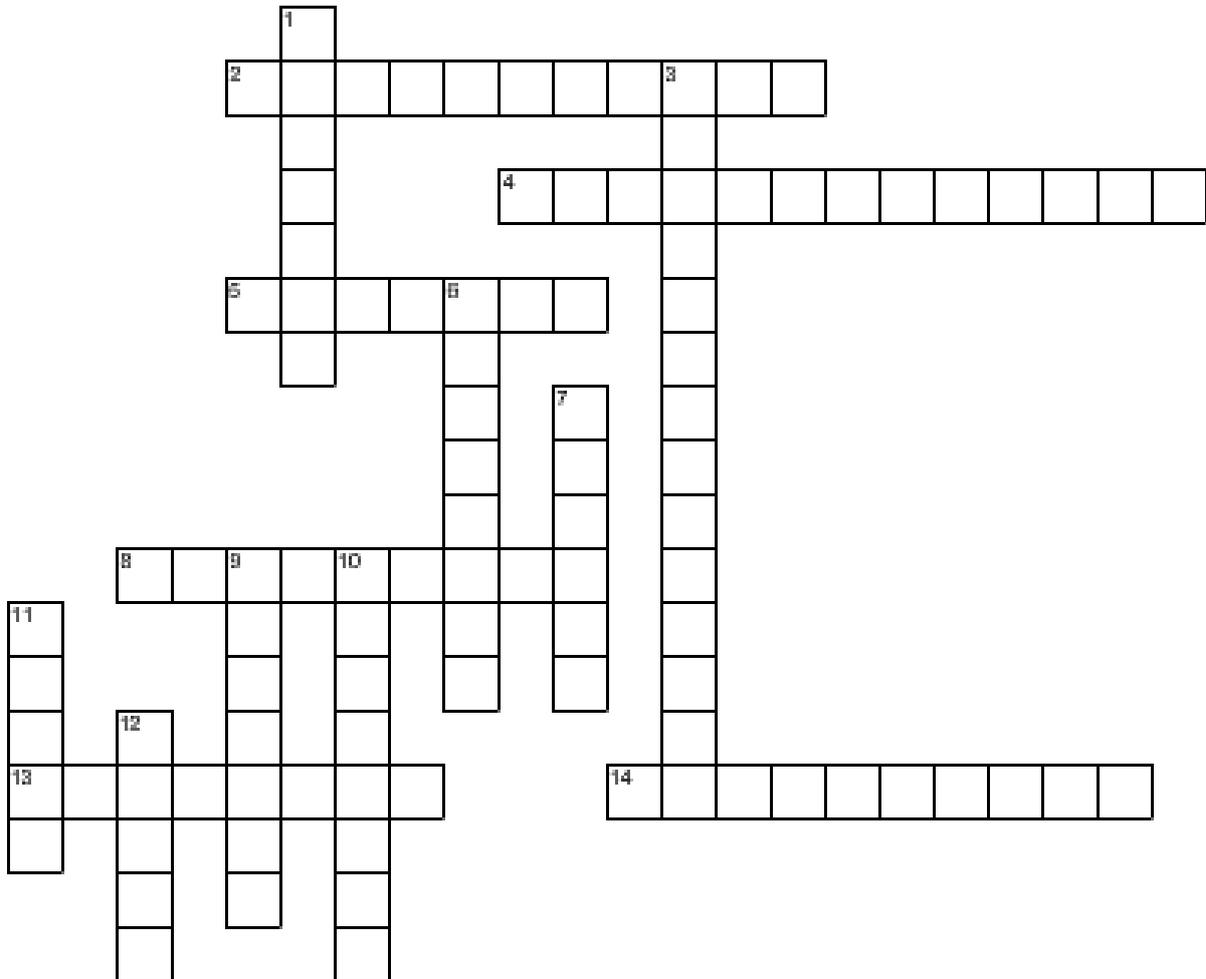
- Les Thermes Marins (possible short visit at the aquatonic pool)

Specialities:

- moules-frites (mussels with french fries)
- Kouign Aman (a delicious Breton cake full of butter)
- Craquelin (a kind of crispbread typical of Saint-Malo)
- Yaourt Malo (yoghurt made in Saint-Malo)
- galettes and crêpes (Breton pancakes made with dark (galettes) or white (crêpes) flour, the galette is generally accommodated with salty ingredients ham, cheese, egg, sausage while the crêpe is generally sweet (chocolate, marmelade, limon, sugar)

- cider
- patates de Saint-Malo (an almond paste sweet in the form of potatoes)

The Calphad crossword



Horizontal

- 2. Useful experimental technique
- 4. Compound formed by metals
- 5. Father of the Calphad method
- 8. Place of the next Calphad meeting
- 13. Type of decomposition
- 14. Evaluation of a system

Vertical

- 1. Preferred calculation technique
- 3. Science of heat
- 6. French scientist known for a useful ternary extrapolation
- 7. Place of a former Calphad meeting
- 9. Measure of disorder
- 10. Measure of heat
- 11. Part of a system homogeneous in composition and structure
- 12. Father of the thermodynamics

Tides:

Hours of high and low tides are indicated with water height.

Day	High	Low	High	Low	High	Low	Moon	Sunrise	Sunset
Fri 9		2:29 AM / 2.53 m	8:01 AM / 11.05 m	2:45 PM / 2.45 m	8:18 PM / 11.25 m		Full Moon	6:06 AM	10:08 PM
Sat 10		3:04 AM / 2.37 m	8:35 AM / 11.15 m	3:19 PM / 2.39 m	8:51 PM / 11.32 m			6:05 AM	10:09 PM
Sun 11		3:38 AM / 2.33 m	9:08 AM / 11.12 m	3:53 PM / 2.46 m	9:23 PM / 11.27 m			6:05 AM	10:10 PM
Mon 12		4:13 AM / 2.41 m	9:40 AM / 10.99 m	4:27 PM / 2.64 m	9:55 PM / 11.13 m			6:05 AM	10:10 PM
Tue 13		4:48 AM / 2.59 m	10:13 AM / 10.78 m	5:03 PM / 2.89 m	10:29 PM / 10.91 m			6:05 AM	10:11 PM
Wed 14		5:25 AM / 2.83 m	10:48 AM / 10.51 m	5:40 PM / 3.19 m	11:05 PM / 10.64 m			6:05 AM	10:11 PM
Thu 15		6:05 AM / 3.11 m	11:28 AM / 10.19 m	6:22 PM / 3.49 m	11:47 PM / 10.31 m			6:05 AM	10:12 PM
Fri 16		6:50 AM / 3.37 m	12:15 PM / 9.84 m	7:10 PM / 3.75 m				6:05 AM	10:12 PM
Sat 17	12:39 AM / 9.97 m	7:41 AM / 3.58 m	1:13 PM / 9.53 m	8:06 PM / 3.91 m			Last Quarter	6:05 AM	10:13 PM
Sun 18	1:44 AM / 9.70 m	8:41 AM / 3.67 m	2:27 PM / 9.42 m	9:11 PM / 3.90 m				6:05 AM	10:13 PM