

## SECOND ANNOUNCEMENT

### XI BRAZILIAN WORKSHOP ON CONTINUOUS OPTIMIZATION

**Celebrating Carlos Humes Júnior's 70th birthday**

**Manaus, Amazonas, Brazil, May 22 to 27, 2016**

#### 1. BASIC INFORMATION

The XI Brazilian Workshop on Continuous Optimization will take place in Manaus, at the Federal University of Amazonas (UFAM), from May 22 to 27, 2016.

Subjects to be discussed encompass theoretical, computational and implementation issues, in both linear and nonlinear programming, including variational inequalities, complementarity problems, nonsmooth optimization, vector optimization, generalized equations, optimization in manifolds etc.

The workshop will consist in plenary lectures, offered by invited speakers, of 45 minutes each. There will be also a limited number of contributed talks, of 25 minutes each, and posters presentation. Those interested in contributing a talk or a poster should send an abstract by electronic mail, to the address below in this announcement, not later than February 29, 2016. Acceptance of the contributed talks and posters will be informed no later than March 17, 2016.

The Amazonas state is big and is located in the heart of the Amazon forest. Thanks to its almost continental dimensions, the state holds a number of unique landscapes and forms the Amazon ecosystem itself. Manaus is its capital and is considered a gateway through its international airport. Although located right in the middle of the forest and being geographically isolated from the rest of the country, Manaus is a city with about 1.9 million people (more than half of the Amazonas population) and a well developed industrial center. In recent years, the city has been transformed by an impressive revitalization processes. In addition, the nature around the city is very beautiful and pristine, and many extraordinary tours are available. The following touristic places are recommended to visitors: Manaus historical center (see [www.cultura.am.gov.br](http://www.cultura.am.gov.br)); the Ponta Negra Beach; ManauaraShopping; the Science Grove; the Meeting of the Waters; the Museum of the Seringal Vila Paradise; the Moon Beach; the Tupé Beach; and the town of Presidente Figueiredo.

The Federal University of Amazonas is located at General Rodrigo Otavio Avenue, 6200, Coroado, East Zone of Manaus. The green area of the university campus, about 6.7 million square meters, make it the third largest green fragment in urban area of the world and the first in Brazil. Several animal species are found in it, as sloths and saguinus bicolor, amid a great deal of virgin forest. Nowadays, the building area accounts for about 35% of the original architectural design, created by the architect Severiano Mário Porto, which earned him an honorable mention from the Institute of Architects of Brazil (IAB / RJ).

## **2. REGISTRATION (NEW DEADLINE)**

Registration fees for participants will be as follows:

**EARLY REGISTRATION (until February 15, 2016):**

Foreign Participants US\$ 250.00

Students (Msc and PhD) US\$ 75.00

**LATE REGISTRATION (after February 15, 2016):**

Foreign Participants US\$ 300.00

Students (Msc and PhD) US\$ 100.00

The registration fee can will be paid on line at the site

[www.impa.br/opencms/en/eventos/store\\_2016/evento\\_1602](http://www.impa.br/opencms/en/eventos/store_2016/evento_1602)

Moreover, participants must fill a registration form on-line at the same site.

## **3. FULL LIST OF PLENARY SPEAKERS**

The following plenarists have already agreed to attend the workshop:

Ernesto Birgin (Universidade de São Paulo)

Roberto Cominetti (Universidad Adolfo Ibáñez)

Clovis Gonzaga (Universidade Federal de Santa Catarina)

Alfredo Iusem (IMPA)

Juan Enrique Martínez Legaz (Universidad Autónoma de Barcelona)

José Mario Martínez (Universidade Estadual de Campinas)

Renato Monteiro (Georgia Institute of Technology)

Boris Mordukhovich (Detroit University)

Jong-Shi Pang (University of Southern California)

Claudia Sagastizábal (IMPA)

Mikhail Solodov (IMPA)

Benar Fux Svaiter (IMPA)

Yinyu Ye (Stanford University)

## **4. ADDITIONAL ACTIVITIES**

I) On Monday, May 23, a welcome cocktail, followed by an artistic show, will be offered free of charge to all participants and spouses at 6:30 PM.

II) On Wednesday, May 25, at 8:30 PM the workshop dinner will take place at a restaurant in Manaus. The dinner fee will appear in forthcoming announcements.

III) On Thursday, May 26, there will be a full day excursion, sailing on a boat along the Negro River until to Meeting of the Waters (Negro and Solimões rivers), one of the most extraordinary phenomena of the Amazon nature.

Departure time: 09:00 a.m. / local time

Arrival: 3:00 p.m / local time

Price per person: R\$ 150,00

Included: lunch, bilingual tour guide, departure tax.

Payment: In cash or bank transfer 50% with 5 days in advance and the rest in the day of the event.

Important: This activity will take place only with a minimum membership of ten (10) people.

Travel Itinerary: Leaving the port (Roadway), the boat will sail by the edge of town where you can see the stilt houses and the bridge that crosses the Rio Negro River. After this, there will be a tour through the Left Bank towards the Meeting of the Waters, one of the most beautiful natural heritages of the Amazon, where the Negro and Solimões rivers run parallel without its waters mingle. In this area there is possibility of sighting dolphins. Then the tour follows toward the community of houseboats of Catalão and into the Janauary Ecological Park for the ride in motorized canoe to contemplate the Igarapés and Igapós (flooded forest), a unique opportunity to glimpse the Amazon flora and fauna. Visit to the giant water lily (vitórias-régias). Regional dishes will be served at a floating restaurant (fish-based menu, meat or chicken, salads and side dishes, buffet self-service).

Suggestion: take exchanged money for craft shopping.

IV) On Saturday, May 28, there will an excursion to the Presidente Figueiredo city, accessed by BR 174 highway and sited 107 km north of Manaus called as waterfalls' land. Moreover, its area holds ecological reserves, caves, grottos, small creeks and rapids.

Departure time: 09:00a.m./local time

Arrival time: 6:00 p.m./local time

Price per person: R\$ 210,00

Included: lunch, bilingual tour guide, visit to the waterfalls.

Payment: In cash or bank transfer 50% with 5 days in advance and the rest in the day of the event.

Important: This activity will take place only with a minimum membership of five (5) people.

\* Children between 6 to 11 years pay 50% of the value / 0 to 5 years are free of charge

The tour includes a visit to the Iracema and Sanctuary waterfalls and the rapids of Urubuí and a 40-minute ecological walk (round trip) along the trails in the Amazon rainforest - pause for a refreshing waterfall bath and a visit to nearby caves to waterfalls. Lunch will be served in the restaurant in the city of Figueiredo (menu based on local cuisine). For those who want to buy some typical delicacies of the region, there will be a stop at the stalls of Amazonian products (town of Presidente Figueiredo). Note: The schedule is subject to change according to weather conditions.

Suggestion: take exchanged money for drinks and typical candies of the region, towel and bathing suit.

## **5. LODGING AND TRANSFER TO UFAM**

The current list of recommended hotels along with their rates is available on the event website [www.impa.br/opencms/en/eventos/store\\_2016/evento\\_1602](http://www.impa.br/opencms/en/eventos/store_2016/evento_1602)

During the days of the Workshop activities at UFAM, the organizing committee will provide free transportation between the hotels to the university campus according with the following routes:

Route 1) The Tropical hotel to UFAM: leaving at 8:00h, directly to UFAM, and back at the end of the daily activities;

Route 2) From the Quality Inn to UFAM: leaving at 8: 00h, with subsequent stops in the Intercity Hotel and in the Blue Tree hotel, and then heading directly to UFAM, and back at the end of daily activities.

## **6. SCIENTIFIC COMMITTEE**

Alfredo Iusem, Chair (IMPA)

Roberto Andreani (UNICAMP)

Ernesto Birgin (USP)

Clovis Gonzaga (UFSC)

Jose Mario Martínez Pérez (UNICAMP)

Claudia Sagastizábal (IMPA)

Mikhail Solodov (IMPA)

Benar Fux Svaiter (IMPA)

## **7. ORGANIZING COMMITTEE**

Flávia Morgana de Oliveira Jacinto (UFAM)

Gustavo Cunha da Silva Neto (UFAM)

Mário Salvatierra Júnior (UFAM)

Roberto Cristóvão Mesquita Silva (UFAM)

Yachico Nascimento Wakiyama (UFAM)

## **8. ADDRESSES**

Additional information on the workshop will appear in forthcoming announcements and will be posted in the workshop site:

[www.impa.br/opencms/en/eventos/store\\_2016/evento\\_1602](http://www.impa.br/opencms/en/eventos/store_2016/evento_1602)

e-mail address: [xibrazopt2016@gmail.com](mailto:xibrazopt2016@gmail.com)

Flávia Morgana de Oliveira Jacinto

President of the Organizing Committee