



# 11<sup>th</sup> ICFSI

11<sup>th</sup> International Conference on the  
Formation of Semiconductor Interfaces

From Semiconductors to Nanoscience,  
and Applications with Biology

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## FIRST CALL FOR PAPERS

**Manaus – Amazonas, Brazil, August 19–24, 2007**  
Tropical Hotel Resort | [www.tropicalhotel.com.br](http://www.tropicalhotel.com.br) |

The year 2007 will mark the 22<sup>th</sup> anniversary of the ICFSI series and for the first time it will happen below the equator line, in the heart of the Amazon Rainforest, Manaus, the Amazonas state capital, Brazil. ICFSI-11 will continue the success of the previous meetings, which were held respectively in: Marseille, France (1985), Takarazuka, Japan (1988), Rome, Italy (1991), Jülich, Germany (1993), Princeton, USA (1995), Cardiff, United Kingdom (1997), Göteborg, Sweden (1999), Sapporo, Japan (2001), Madrid, Spain (2003) and Aix en Provence, France (2005).

### The Conference

The conference will consist of selected Plenary Lectures, Invited and Oral presentations and Poster Sessions, which will be organized to address historical background, perspectives and frontiers in semiconductor surfaces, interfaces and nanostructured materials, device physics and applications.

### Scope

ICFSI-11 will primarily focus on general aspects of semiconductor materials, surfaces and interfaces within the topics that are of strong current interest in semiconductor surface and interface science. In particular it will include the following topics (but not be limited to):

- **Atomic structure and morphology**
- **Nanostructures, nanochemistry and elementary processes**
- **Electronic and optical properties**
- **Compound, wide band gap, organic and magnetic semiconductors**
- **Metal–semiconductor and insulator–semiconductor interfaces**
- **Heterojunctions**
- **Passivation and metallization**
- **Oxides, nitrides and high- $k$  dielectrics**
- **Advanced experimental techniques**
- **State-of-the-art theoretical approaches**
- **Nanoelectronics, molecular electronics, nanophotonics, and spintronics**
- **Supramolecular structures and functionalization of surfaces and interfaces**
- **Frontiers aspects of semiconductor, surfaces and interfaces: applications in biosensors, medicine and environmental issues. Nanobiotechnology applications**

## The Venue

Manaus is a city in northwest Brazil and capital of Amazonas State. Located on the Rio Negro river, near its confluence with the Amazonas river, it is the main port and a hub for the region's extensive river system. Manaus estimated population is 1,800,000 inhabitants. The city is a cosmopolitan city and, because of its location in the middle of the Amazon Rainforest, it attracts a substantial number of Brazilian and foreign tourists who can find plenty of boat and land trips into the surrounding jungle. A great diversity of wildlife can be found even in the surroundings of Manaus. It is also place for one of the most endangered primates in Brazil: the Pied tamarin.

During a stay in Manaus, one not only will be amazed by Nature thru the Amazon Tropical Rain Forest, but also by discovering that Manaus has

typical Brazilian inheritance turistic attractions, and the city center is much alive with many open-air restaurants and cafés, museums, monuments, and fashionable shops.

The conference will take place at the Tropical Hotel Resort, which is the largest luxury hotel in Brazil. This deluxe resort property is strategically located on the shores of Rio Negro. It was projected and built intentionally in that area, just 16 km from downtown Manaus, but in the heart of the largest ecological reservation in the world – the Amazon Rainforest. This horizontal construction surrounded by 400,000 square meters of greenery encompasses 594 well-equipped, spacious and comfortable rooms and suites that form the residential wings of the hotel complex.



Figure 1. Satellite picture of Manaus. Illustrating the city and the real water colors of Amazon and Black rivers. Copyright by © 2006 Google.

On behalf of the conference organizers, we would like to invite you to take part of ICFSI-11 and to submit an abstract by **February 9, 2007**. Further details may be found at the conference website [www.icfsi2007.com](http://www.icfsi2007.com) from July 20, 2006.

## Important Dates

First announcement	July 23, 2006
Second announcement	November 1, 2006
Abstract submission deadline	February 9, 2007
Notice of acceptance	March 15, 2007
Registration deadline	April 15, 2007
Hotel reservation deadline	April 15, 2007
Paper submission deadline	May 15, 2007
ICFSI 11 conference	August 19–24, 2007

We look forward to the pleasure of seeing you in Manaus, Amazonas – Brazil.

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