



Computational Methods and Function Theory 2001

## **\*\* SECOND ANNOUNCEMENT \*\***

# **Computational Methods and Function Theory 2001**

**Aveiro – Portugal  
June, 25-29, 2001**

### **SPONSORS:**

**Fundação para a Ciência e a Tecnologia  
Sociedade Portuguesa de Matemática  
COSTED  
The British Council  
Universidade de Aveiro  
UI&D "Matemática e Aplicações"  
(as of October 31, 2000)**

### **ORGANIZERS:**

**Helmuth R. Malonek**, Universidade de Aveiro  
**Nicolas Papamichael**, University of Cyprus  
**Stephan Ruscheweyh**, Universität Würzburg  
**Edward B. Saff**, University of South Florida

## **Aims of CMFT 2001**

The University of Aveiro will host the 2001 International Conference on Computational Methods and Function Theory (CMFT 2001) from Monday, June 25 to Friday, June 29, 2001. The meeting will be the fourth in a series of such conferences, the first of which was held in Valparaíso, Chile, in 1989, the second in Penang, Malaysia, in 1994, and the third in Nicosia, Cyprus, in 1997.

The general theme concerns the various aspects of interaction between function theory and scientific computation, but other areas from complex variables (including generalizations like quaternions etc.), approximation theory and numerical analysis are also covered.

Another very important aim of the CMFT meetings is to assist in the creation and maintenance of contacts with scientists from diverse cultures. This is also reflected in the venues chosen for the meetings and in the concerted effort made to encourage the participation of those very active and interested scientists who, for various reasons, have normally only limited possibilities to attend international conferences.

## **General Information**

### **IMPORTANT DEADLINES:**

- **January 15, 2001:** Submission of abstracts
- **January 31, 2001:** Notification of acceptance of contributed talks
- **March 1, 2001:** Final registration, payment of conference fee (USD 150)
- **June 25, 2001:** Payment of late conference fee (USD 180)
- **October 15, 2001:** Submission of papers for the proceedings

**CONFERENCE LANGUAGE:** The conference language will be English.

**CONFERENCE VENUE:** The conference will be held at the University of Aveiro.

**INVITED ADDRESSES:**

There will be nine invited 50-minute addresses as follows (tentative titles):

- **Alan Beardon**, University of Cambridge, United Kingdom  
**Continued fractions : old and new**
- **Percy Deift**, Courant-Institute, U.S.A.  
**To be announced**
- **Richard Delanghe**, University of Ghent, Belgium  
**Clifford analysis: history and perspective**
- **Toby Driscoll**, University of Delaware, U.S.A.  
**Radial basis functions in the simulations of PDEs**
- **Alexandre Eremenko**, Purdue-University, U.S.A.  
**Rational functions with real critical points and real Schubert calculus**
- **Klaus Gürlebeck**, Bauhaus-Universität Weimar, Germany  
**Numerical Clifford analysis**
- **Doron S. Lubinsky**, University of Witwatersrand, South Africa  
**Another look at diagonal Padé approximants for functions analytic in the unit ball**
- **Andrew Odlyzko**, AT&T Labs, U.S.A.  
**Primes, zeta functions, quantum chaos, and computers**
- **Lawrence Zalcman**, Bar-Ilan University, Israel  
**Beyond Bloch's principle**

**CONTRIBUTIONS:** There will be several parallel sessions for 25-minute talks as well as poster sessions. Because of the limited number of slots in the parallel sessions the organizers may have to request some participants to present their contribution in the form of a poster instead of a talk.

An abstract of the contribution (talk or poster) should be submitted to the local organizing committee, preferably in an electronic form (e-mail) and typeset in LaTeX (without additional MACROS), by **January 15, 2001**. The abstracts should contain the title of the talk as a headline, the author's name and his affiliation in a second line followed by 5 to 15 lines of descriptive text. Late submissions will not be considered. Participants will be notified about acceptance (poster or talk) by **January 31, 2001**.

Posters should not exceed the format of DIN A1.

**PROCEEDINGS:** As with past CMFT meetings, the conference proceedings of CMFT2001 will appear in a carefully refereed volume distributed by a noted mathematics publisher. Papers for the proceedings should be submitted by **October 15, 2001**.

The style-file **cmft.sty** and the description-file **cmftmanual.ps** will be available for downloading from the homepage of CMFT 2001 by **April 1, 2001**. Both files are also available from the local organizing committee upon request.

**CONFERENCE FEE:** The conference fee is **USD 150** if paid before March 1, 2001, or **USD 180** otherwise. The fee covers all conference material, coffee/refreshments, lunches (Monday 25 to Friday 29), bus transportation between hotel and conference site, and a copy of the conference proceedings.

Cheques should be made payable to: Universidade de Aveiro.

Transfers should be made to the following bank account:

**Bank:** Caixa Geral de Depósitos de Aveiro,  
**Refer to:** Universidade de Aveiro – CMFT 2001  
**NIB:** 0035 0123 00097701930 10

All payments must arrive free of charge for the recipient.

**Excursion:** USD 25      **Conference dinner:** USD 25  
Tickets can be bought at the registration desk upon arrival.

**FINANCIAL SUPPORT:** Limited funds might be available to partially support travel and/or local expenses and/or to waive the conference fees for participants, in particular those from developing countries. Those who have applied will be informed about the availability of financial support not before **February 15, 2001**. Along with such an application the participant should send to the local organizing committee a Curriculum Vitae, a list of publications, and an extended abstract of his proposed presentation.

**CULTURAL PROGRAMME:** On Wednesday afternoon there will be an excursion to the old University of Coimbra (one of the oldest in Europe) followed by a dinner at a scenic place in the countryside. Several cultural events will be offered during the evenings of the conference. The conference dinner will take place on Friday evening.

There will be also several organized trips for accompanying persons, for example:

- to Porto, cultural capital of Europe in 2001;
- to the "Vista Alegre" porcelain factory and museum;
- to Buçaco (one of the most beautiful forests in Portugal with panoramic views, a palace, and a convent, where Wellington was accommodated before the Battle of Buçaco)
- a boat trip on the lagoon to the Natural Reserve "São Jacinto".

## Local information

**ACCOMMODATION: (as of October 31, 2000)** The organizers recommend the hotels listed below. Several rooms are reserved for CMFT participants at special rates (some of the hotels will update their offers at the end of the year, please consult the homepage or contact the local organizing committee before your final registration).

To avoid confusion and duplication the organizers strongly suggest **hotel reservation being made via the local organizing committee**. Please, fill in the corresponding part in the final registration form. Payment has to be made at the hotel upon arrival.

Code	Hotel	Single (PTE)	Double (PTE)
ASA	AS AMÉRICAS****	9 000	11 500
IMP	IMPERIAL ***	8 900	12 000
ALF	ALFONSO V***	7 250	10 550
JAR	JARDIM ALFONSO V***	5 650	9 300
RAL	RESIDENCIAL ALBOI***	6 500	8 800
HAL	HOTELARIA ALBOI***	6 800	9 200
ARC	ARCADA**	7 400	8 950
STU	STUDENTS RESIDENCE	-----	4 000

**EXCHANGE RATE:** 1 EURO = 200,482 PTE

All hotels are located near the centre of Aveiro. All hotel rooms (except for those in the students residence), single or double, have bathroom, air-conditioning and TV. Complete information about the hotels will be provided at <http://event.ua.pt/cmft2001/>. Due to the limited number of rooms in each hotel (esp. in the Students residence) it is advisable to make your booking as early as possible.

The organizers encourage **room sharing**. If you want to share your room with someone else please tick the corresponding box on the registration form and indicate with whom you want to share. We will provide a list of persons who are willing to share rooms.

A **shuttle bus** will be provided for transportation from these hotels to the university campus in the morning and from the university back to the hotels after the end of the lectures every day during the conference.

### TRANSPORT/CLIMATE:

**Transport:** At the moment we are negotiating with international airlines for special offers.

**From the airport:** If you arrive at Oporto Airport you can take a taxi to the main railway station Campanhã (train timetables available on <http://www.cp.pt>). The taxi fare is about 15 Euro and the train fare to Aveiro is 3-10 Euro. The journey to Aveiro takes about 30-60 min. If you are part of a group you can consider the possibility of taking a taxi directly to Aveiro. It costs about 60 Euro (12000PTE) and you are advised to confirm the price with the driver beforehand. You can ask for a receipt.

If you arrive at Lisbon Airport you can take a taxi to the train station Gare do Oriente and from there a train to Aveiro (train timetables available on <http://www.cp.pt>). The fastest (and recommended) trains are the Intercidades and Alfa services with fares of about 15-20 Euro. The journey to Aveiro takes about 2h30min.

We are planning to run 2 or 3 busses from Oporto Airport to Aveiro on Sunday, June 24. The departure time of these busses will be announced later. Please, send your flight number and arrival time to the local organizing committee as soon as you know them, preferably on your registration form.

**By driving:** If you choose to drive from Porto to Aveiro, take the A1 motorway southbound and take exit "Aveiro - IP5". You should then follow the IP5 road for about 12 km and take the exit "Aveiro Oeste" which leaves you near the university.

If you drive from Lisbon to Aveiro, take the A1 motorway northbound and take exit "Aveiro Sul". When entering the town of Aveiro you will find the university on your left.

**Climate:** Aveiro is located on the west coast of Portugal offering a picturesque view of Portuguese coastal life. The "Ria" - the largest lagoon in Portugal - is a natural inlet from the sea that runs into the city through canals, giving the city a feeling of being built over water. In June, the weather is pleasantly mild providing an invitation to visit the sandy beaches only 10 km away. Additional information about the region of Aveiro is available here: <http://www.cm-aveiro.pt>

**Hotel and travel information will be completed and updated . Check the homepage!**

### LOCAL ORGANIZING COMMITTEE:

**Helmuth R. Malonek** – Univ. de Aveiro  
**Amílcar Branquinho** – Univ. de Coimbra  
**Irene Falcão** – Univ. de Braga  
**Uwe Kähler** – Univ. de Aveiro

**José Vitória** – Univ. de Coimbra  
**Paula Cerejeiras** – Univ. de Aveiro  
**Ana Foulquié Moreno** – Univ. de Aveiro  
**Isabel Cação** – Univ. de Aveiro

**Address:** CMFT 2001  
Departamento de Matemática  
Universidade de Aveiro  
P-3810-193 Aveiro, PORTUGAL

**Phone:** +351 234 370359,  
**Fax:** +351 234 382014  
**e-mail:** [cmft2001@mail.ua.pt](mailto:cmft2001@mail.ua.pt)

**Homepage:** <http://event.ua.pt/cmft2001/>

**FINAL REGISTRATION:** Please return the following form not later than March 01, 2001.

**FINAL REGISTRATION FORM**

**International Conference  
COMPUTATIONAL METHODS AND FUNCTION THEORY 2001  
Aveiro (Portugal), June 25-29, 2001**

**Name:** \_\_\_\_\_

**Passport number  
(for hotel booking):** \_\_\_\_\_

**Address:** \_\_\_\_\_  
\_\_\_\_\_

**Phone:** \_\_\_\_\_ **Fax:** \_\_\_\_\_

**email:** \_\_\_\_\_

**Names and passport numbers of accompanying persons (and address if different from the address of the participant):**

\_\_\_\_\_

**I would like to give a presentation at the conference :** Talk  Poster  No

**Title:** \_\_\_\_\_  
\_\_\_\_\_

**Abstract :** Attached  Later

**I will need an official letter for my visa application** Yes  No

**Arrival day:** \_\_\_\_\_ **Departure day:** \_\_\_\_\_

**I will send this information later by e-mail:**

***P.T.O.***

I would like to use the shuttle service from Porto Airport: Yes  No

Arrival time: \_\_\_\_\_ Flight No: \_\_\_\_\_

I will send this information later by e-mail:

Form of conference fee payment: \_\_\_\_\_

Hotel code: \_\_\_\_\_ Single room: \_\_\_\_\_ Double room: \_\_\_\_\_

Arrival day: \_\_\_\_\_ Departure day: \_\_\_\_\_

I am ready to share a double room Yes  No

I like to share the room with \_\_\_\_\_

**Social program:**

Excursion (25 USD) Yes  No  Number of persons: \_\_\_\_\_

Conference dinner (25 USD) Yes  No  Number of persons: \_\_\_\_\_

Remarks:

\_\_\_\_\_

Date: \_\_\_\_\_

Signature (only for ordinary mail or fax): \_\_\_\_\_

Please return to:

**CMFT 2001  
Departamento de Matemática  
Universidade de Aveiro  
P-3810-193 Aveiro, PORTUGAL**

Fax: +351 234 382014

e-mail: [cmft2001@mail.ua.pt](mailto:cmft2001@mail.ua.pt)