

# *European Research Community On Flow, Turbulence and Combustion*

## SCIENTIFIC COMMITTEE MEETING

18<sup>th</sup> May 2010, Delft, The Netherlands

### ATTENDANCE

Anderson, H.  
Barton, I.  
Borhani, N.  
Cambon, C.  
Choi, K-S.  
Da Silva, C.  
Delil, A.  
Geurts, B.J.  
Hanifi, A.

Hutton, T.  
Issa, R.  
Leschziner, M.  
Oliemans, R.  
Redondo, J.  
Reichl, C.  
Rodi, W.  
Tomboulides, A.  
Von Terzi, D.

### APPOLOGIES

Bodnar, T.  
Braza, M.  
Comte, P.  
Dick, E.

Hamalainen, J.  
Jakirlic, S.  
Sommerfeld, M.  
Violeau, D.

### SUMMARY OF ITEMS ARISING FROM THE MEETING

- *Prof. Geurts will contact SIG and PC Coordinators to ask them for their 2010 DaVinci Award nominations and inform them of the procedures and deadlines.*
- *Dr. Borhani will write to PC Coordinators to remind them to nominate research representatives to sit on the SPC and Managing Board.*
- *Prof. Geurts will write to SPC members to inform them about the possibility of securing event funding through the EC-AERO project.*

# MINUTES

The meeting was opened by the SPC Chairman, Prof. Geurts, at 9:00.

## **1. Approval of the agenda**

The agenda was approved.

## **2. Approval of minutes of the SPC meetings held in Lausanne on 2.10.2009**

The minutes were approved.

## **3. Action items from the SPC meetings held in Lausanne on 2.10.2009**

The action items were reviewed.

## **4. Special Interest Groups**

### **i. Current status report**

Prof. Redondo stated his wish to use the ERCOFTAC logo for SIG and PC related events as a means of encouraging funding by local bodies. He noted that in these circumstances the logo should be approved whilst the event was still in its early planning stages, not when a formal application for ERCOFTAC funding was made later. Prof. Geurts agreed that this was useful for event organisers. Prof. Leschziner reminded the SPC that a fast-track logo approval process, involving communication of the details of the proposed event to the SPC Chairman, was already in place.

Prof. Cambon then asked about the possibility of using SIG funding for organising SIG related events. Dr. Hanifi also requested clarification on the use of SIG funding. Prof. Leschziner commented that SIG funding should be used to enhance and stimulate the operation of a SIG in a manner seen suitable by its Coordinator. However, he added that the money should not be used to fund invited lecturers for events.

### **ii. SIG funding requests for 2011**

Based on their submitted proposals, the SPC voted to recommend to the Executive Committee that the following SIGs should be funded up to 3000 Euros for 2011:

- SIG 12 *Dispersed turbulent two-phase flows*
- SIG 20 *Drag reduction and flow control*
- SIG 43 *Fibre suspension flows*

## **5. Pilot Centres**

Dr. Borhani said that he will be writing to PC Coordinators to remind them to nominate research representatives to sit on the SPC and Managing Board.

## **6. EC-AERO support for ERCOFTAC workshops and schools**

After discussions, Prof. Geurts urged the organisers of future ERCOFTAC Workshops and Summer Schools to seek funding through the EC-AERO project by involving ECOMMAS and/or EUROMECH. The SPC asked for clarification on the regulations on how these funds can be attained.

*\* Prof. Geurts will write to SPC members to inform them about the possibility of securing event funding through the EC-AERO project.*

## **7. Workshops and summer schools**

### **i. Status of reports from previous events**

Dr. Borhani reported that the ADO and the terms of the event funding agreement require that all event reports should be submitted within 6 months of its closing date. Funding approved for events that do not satisfy this requirement will be cancelled.

### **ii. Consideration of new proposals**

After discussions, the SPC voted to recommend the following actions to the Executive Committee regarding sponsorship of future events:

**W2010-08** *'Mixing and Dispersion in Flows Dominated by Rotation and Buoyancy'*

Application for use of the ERCOFTAC logo was approved.

A scholarship of 2000 Euros was awarded.

**W2010-09** *'Global instabilities of open flows'*

Application for use of the ERCOFTAC logo was approved.

A scholarship of 2000 Euros was awarded.

**W2010-10** *'Radiation of high temperature gases in atmospheric re-entry'*

Application for use of the ERCOFTAC logo was approved.

A scholarship of 2000 Euros was awarded.

**W2010-11** *'6<sup>th</sup> Workshop on synthetic turbulence models'*

Application for use of the ERCOFTAC logo was approved.

A scholarship of 2000 Euros was awarded.

**W2010-12** *'5<sup>th</sup> Workshop on research in turbulence and transition'*

Application for use of the ERCOFTAC logo was approved.

A scholarship of 2000 Euros was awarded.

**W2010-13** *'Instabilities turbulence and interactions in rotating shear flows'*

Application to be reviewed by Prof. Geurts at a later date.

**W2011-01** *'Cardiovascular fluid dynamics'*

Application for use of the ERCOFTAC logo was approved.

A scholarship of 2000 Euros was awarded.

**W2011-02** *'3<sup>rd</sup> Workshop on Fibre suspension flows'*

Application for use of the ERCOFTAC logo was approved.

**W2011-03** *'Workshop on measurement and computation turbulent spray combustion'*

Application for use of the ERCOFTAC logo was approved.

A scholarship of 2000 Euros was awarded.

**W2011-04** *'Highly resolved diagnostics for turbulent combustion'*

Application for use of the ERCOFTAC logo was approved.

A scholarship of 2000 Euros was awarded.

**S2010-05** *'Fundamentals of microscale heat transfer'*

Application for use of the ERCOFTAC logo was approved.

A scholarship of 3000 Euros was awarded.

## **8. Status of ETMM8**

Prof. Leschziner reported that 155 papers will be presented in 6 plenary sessions, 24 normal sessions, and 2 poster sessions. There will be around 1000 pages of proceedings published in 3 volumes and a CD. He added that the event had attracted 25 sponsors for around 50k Euros, including the French Air Force who offered to pay for the printing of the proceedings.

## **9. ERCOFTAC 2010 DaVinci Award**

Prof. Geurts will be contacting SIG and PC Coordinators to ask them for their 2010 DaVinci Award nominations and inform them of the procedures and deadlines. He added that he will also finalise the jury composition. Prof. Leschziner added that the jury composition should be spread evenly across Europe.

## **10. The future of ERCOFTAC**

Prof. Geurts commented on the uneven age distribution and levels of professional activity amongst the Executive Committee. Prof. Hutton responded by saying the main aim of the Horizon 10 Group had been to seek ways of attracting younger talent to ERCOFTAC, but it had failed to progress. Noting that ERCOFTAC appeared to be a centralised organisation, Prof. Geurts expressed his wish that it should distribute decisions throughout the community since members felt excluded. He added that a website was irrelevant if the ERCOFTAC community was not active or motivated. Furthermore, he expressed his view that ERCOFTAC was not a dynamic organisation and had no mission statement or brand. Prof. Geurts also stated his wish that ERCOFTAC should regain its academic focus, which in turn would make it more attractive to industry. Prof. Hutton agreed by saying that the next ERCOFTAC Chairman must be an academic. Prof. Geurts then stated that inactive SIGs of importance to ERCOFTAC should be revitalised by identifying new coordinators, and that redundant SIGs should be closed down. Prof. Leschziner commented that attempts had already been made to achieve this but with limited success.

## **11. Status of ERCOFTAC products and services**

Not discussed.

## **12. Any Other Business**

### **i. Young ERCOFTAC Summer School**

Dr. von Terzi reported that there will be no Young ERCOFTAC Summer School in 2010. Dr. Hanifi suggested that this event needed greater funding than the standard 3000 Euros available for Summer Schools. Prof. Leschziner responded that this 'super summer school' already received preferential funding from the ERCOFTAC Chairman's budget. Furthermore, he added that even though this is a high profile event that attracts young researchers to ERCOFTAC, it should be reviewed by the SPC in a similar manner to other Workshop and Summer School applications.

### **ii. Pan-European laboratory of non-homogenous turbulence**

Prof. Redondo reported that the 'Pan-European laboratory of non-homogenous turbulence' had secured 150-200k Euros of funding.

## **13. Dates and location of the next SPC Committee Meeting**

The next SPC Committee Meeting will be held in Lisbon on the 12<sup>th</sup> October 2010.

The meeting was closed by the SPC Chairman, Prof. Geurts, at 12:30.

Navid Borhani  
Lausanne, 2010.