

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

## **SCIENTIFIC PROGRAMME COMMITTEE MEETING**

**2<sup>nd</sup> October 2009, Lausanne, Switzerland**

### **ATTENDANCE**

Borhani, N.  
Braza, M.  
Cambon, C.  
Choi, K-S.  
Comte, P.  
da Silva, C.  
Dick, E.  
Gronke, C.  
Hämäläinen, J.  
Hutton, T.  
Jakirlic, S.

Leschziner, M.  
Marongiu, J-C.  
Nowakowski, A.  
Quack, M.  
Redondo, J.  
Rodi, W.  
Sommerfeld, M.  
Tomboulides, A.  
Van Steenhoven, A.  
Vlachos, N.  
Von Terzi, D.

### **APPOLOGIES**

Castilla, R.  
Gauger, N.  
Geurts, B.J.  
Geuzaine, P.  
Hanifi, A.  
Hunt, J.

Koumoutsakos, P.  
Thome, J.  
Violeau, D.  
Von Rohr, P.  
Wallin, S.

## SUMMARY OF ITEMS ARISING FROM THE MEETING

- *The SPC decided to recommend to the Managing Board that SIG 101 should be closed.*
- *The SPC voted that event and SIG funding applications received later than two weeks before an SPC meeting would no longer be considered.*
- *The SPC decided to recommend to the Managing Board that themed issues of the Bulletin should be made available freely online to promote the activities of the related SIG.*
- *The SPC voted to endorse Prof. Redondo's proposal to create a 'Pan-European laboratory of non-homogenous turbulence'.*

## MINUTES

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

### 1. Approval of the agenda

The agenda was approved.

### 2. Approval of minutes from the SPC meeting held in Budapest on the 5.5.2009

The minutes were approved.

### 3. Matters arising and review of action items from the SPC meeting held in Budapest on the 5.5.2009

- Prof. Leschziner wrote to all SIG Coordinators to clarify their responsibilities, including keeping their ERCOFTAC webpages up to date.

### 4. Special Interest Groups

#### i. Current status report

Recent SIG activities were reviewed by Prof. Leschziner using information posted on their ERCOFTAC website pages. Some specific comments and decisions were:

*SIG 1 Large Eddy Simulation:* Although an active SIG, its webpage was not up to date.

*SIG 5 Environmental CFD:* Efforts to find a new coordinator had not been successful. Since this is an important field of research, Prof. Leschziner will continue to search for a suitable candidate.

*SIG 14 Stably stratified and rotating flows:* The SIG webpage is empty. Prof. Redondo reported that although the SIG is active, the bad management and the unclear submission procedures of the ERCOFTAC website did not motivate coordinators to spend time on this task.

*SIG 24 Variable density turbulent flows:* The SIG webpage is empty. Prof. Leschziner commented that this SIG should be closed if it remains inactive.

*SIG 32 Particle image velocimetry:* The SIG webpage is empty.

*SIG 34 Design optimisation:* The SIG webpage is not up to date. Prof. Leschziner will write to Prof. Giannakoglou to encourage greater activity.

*SIG 35 Multipoint turbulence structure and modelling:* The SIG webpage is not up to date. Prof. Cambon commented that updates had been sent but had not been implemented efficiently.

SIG 36 *Swirling flows*: Out of date ERCOFTAC webpage. However, Dr. Braza reported that the SIG was active and had an up to date self hosted webpage. She added that updates sent for publishing online had not been implemented efficiently.

SIG 38 *Microfluidics and micro heat transfer*: Prof. Leschziner will write to Dr. Tardu to encourage him to publish the activities of this reactivated SIG on the ERCOFTAC website.

SIG 39 *Aeroacoustics*: This SIG webpage is empty. Prof. Leschziner will write to its coordinator to encourage greater activity.

SIG 41 *Fluid-structure interactions*: The SIG webpage is out of date. Prof. Leschziner will contact Dr. Longatte to encourage her to reactivate the SIG, close the SIG, or identify a new coordinator.

SIG 101 *Quality and trust in industrial CFD*: Although very active, the SIG webpage is empty.

*\* The SPC decided to recommend to the Managing Board that SIG 101 should be closed.*

## **ii. SIG funding requests**

The SPC voted to recommend to the Managing Board that a further four SIGs should be funded for up to 3000 Euros during 2010. These SIGs were:

SIG 20 *Drag reduction and flow control*

SIG 28 *Reactive flows*

SIG 35 *Multipoint turbulence structure and modelling*

SIG 42 *Synthetic models in turbulence*

Requests for reimbursements by these funded SIGs should be made to the ERCOFTAC ADO in Brussels. For invoiced items, the ADO should be provided with receipts, a short justification, and bank details. All reimbursement requests will be audited by the ADO before payment.

## **5. Pilot Centres**

Prof. Leschziner noted the poor state of the Pilot Centre webpages on the ERCOFTAC website.

## **6. Workshop and summer schools**

### **i. Consideration of new proposals**

As a result of a number of late submissions for ERCOFTAC sponsorship of events and SIGs:

*\* The SPC voted that event and SIG funding applications received later than two weeks before an SPC meeting would no longer be considered.*

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

**W2009-11** '*Research in turbulence and transition*', Lisbon, Portugal, 16.10.2009.

Application for use of the ERCOFTAC logo was approved.

A scholarship of 2000 Euros was awarded.

**W2009-12** '*Turbulent flows – Velocity gradients and increments*', Ecully, France, 4-5.12.2009.

Application for use of the ERCOFTAC logo was approved.

A scholarship of 2000 Euros was awarded.

**W2010-01** '*Workshop on fibre suspension flows*', Stockholm, Sweden, 9-10.2.2010.

Application for use of the ERCOFTAC logo was approved.

**W2010-02** '*MUSAF colloquium*', Toulouse, France, 27-29.9.2010.

Application for use of the ERCOFTAC logo was approved.

**W2010-03** '*European drag reduction and flow control meeting*', Kiev, Ukraine, 6-9.9.2010.

Application for use of the ERCOFTAC logo was approved.

A scholarship of 2000 Euros was awarded.

- W2010-04** *'Advances and applications of GiD'*, Ibiza, Spain, 25-27.5.2010.  
Application for use of the ERCOFTAC logo was rejected.  
Application for funding was rejected.
- W2010-05** *'Two-phase flow predictions'*, Halle, Germany, 22-26.3.2010.  
Application for use of the ERCOFTAC logo was approved.  
A scholarship of 2000 Euros was awarded.
- W2010-06** *'Dynamics of non-spherical particles in fluid turbulence'*, Trondheim, Norway, 29.9.2010.  
Application for use of the ERCOFTAC logo was approved.  
A scholarship of 2000 Euros was awarded.
- S2010-01** *'PIV course'*, Gottingen, Germany, 22-26.3.2010.  
Application for use of the ERCOFTAC logo was approved.  
Application for funding was rejected.
- S2010-02** *'Non-normality and non-linearity in thermo-acoustics'*, Munich, Germany, 17-21.5.2010.  
Application for use of the ERCOFTAC logo was approved.  
A scholarship of 3000 Euros was awarded.
- S2010-03** *'Turbulence and mixing in compressible flows'*, Oléron Island, France, 13-18.9.2010.  
Application for use of the ERCOFTAC logo was approved.  
A scholarship of 3000 Euros was awarded.
- S2010-04** *'New challenges in turbulence research'*, Les Houches, France, 21-26.2.2010.  
Application for use of the ERCOFTAC logo was approved.  
A scholarship of 3000 Euros was awarded.

## **7. Status of ETMM8**

Prof. Leschziner reported that abstracts were still being received for ETMM8 even after the deadline. He said that the abstracts will be reviewed in January 2010. He also added that around twenty organisations had been approached for sponsorship, including the French Air force who had agreed to pay for the printing of the conference proceedings.

## **8. Review of the ERCOFTAC Autumn Festival and the 2009 da Vinci Award**

Prof. Leschziner noted the impressive standard of this year's presentations for the 2009 da Vinci Award. He added that this award was important to the credibility of ERCOFTAC, and was a good use of ERCOFTAC funds. However, the SPC urged greater marketing of the event in order to increase its attendance especially by students.

## **9. ERCOFTAC publications**

### **i. FTAC journal**

Prof. Rodi reported that, although the FTAC journal was progressing well, its impact factor had fallen slightly from 0.923 to 0.776. To date in 2009, volume 82 comprising 4 issues and 2 issues of volume 83 had been published. He added that a special issue on ETMM7 will be published shortly. At present, there is a backlog of 31 papers published online that are waiting to be printed. Special issues planned for 2010 include: the '2007 Hybrid RANS LES and unsteady flows conference', the '2008 DNS and LES of chemically reacting flows workshop', and an issue dedicated to the 60<sup>th</sup> birthday of Prof. Pope.

### **ii. ERCOFTAC Book Series**

Prof. Rodi reported that a volume on the '2008 Quality and reliability of LES' workshop had recently been published. He added that the Book Series was still not receiving sufficient contributions. Future planned issues include a volume on the DLES7 workshop.

### **iii. ERCOFTAC Bulletin**

Dr. Borhani commented on the need to reduce the operation and the postage costs of the Coordination Centre. He reported that, after discussions with the Executive Committee, it had been decided that in the future only a single printed copy of the ERCOFTAC Bulletin will be posted to member organisation, with extra printed copies being available at an additional cost. However, free electronic copies will be made available for download from the ERCOFTAC Website by member organisations. Non-members will be able to buy printed copies of the Bulletin. The SPC then discussed if the ERCOFTAC Bulletin should be made freely available online to both members and non-members.

*\* The SPC decided to recommend to the Managing Board that themed issues of the Bulletin should be made available freely online to promote the activities of the related SIG.*

### **iv. QNET-CFD Knowledge Base**

Prof. Rodi reported that the revamped QNET-CFD Knowledge Base had been successfully launched in September, and login details had been emailed to all ERCOFTAC members.

## **10. Any other business**

### **i. ASME 10<sup>th</sup> Symposium on applications in CFD**

Prof. Leschziner reported a communication from Prof. Reeks regarding the 'ASME 10<sup>th</sup> Symposium on applications in CFD' to be held over the 1-4<sup>th</sup> August 2010 in Montreal-Canada. Prof. Reeks indicated that contact with ASME would be beneficial, suggesting that ERCOFTAC should assist by joining its advisory or technical committees. Prof. Leschziner commented that ERCOFTAC could not be involved at an institution level, but that he would write to SPC members and encourage them to contact the advisory committee of the symposium as individuals in order to introduce a European perspective into this joint EU-US event.

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

Prof. Redondo gave a short presentation on his proposal to create a 'Pan-European laboratory of non-homogenous turbulence'. This network of European laboratories would coordinate and focus their research activities by sharing their resources and equipment. He noted that the involvement of ERCOFTAC would be very beneficial to the success of this project by helping it secure funds and by providing visibility.

*\* The SPC voted to endorse Prof. Redondo's proposal to create a 'Pan-European laboratory of non-homogenous turbulence'.*

## **11. Dates and location of the next SPC meeting**

The next SPC meeting will be held at TU Delft on the 18<sup>th</sup> May 2010.

Navid Borhani  
Lausanne, 2009.