

European Research Community on Flow, Turbulence and Combustion

ERCOFTAC Spring Festival

5-6th May 2008 Stockholm

LOCATION AND TIMETABLE OF THE MEETINGS

FOI, Gullfossgatan 6, Kista.

The ERCOFTAC meeting will be held at the FOI; you will find the conference centre on the first floor.

5th May – ERCOFTAC Spring Forum, Jupiter room.

9:00-16:00 *“Bridging research between industry, institutes and universities.”*

6th May – ERCOFTAC committee meetings, Mars and Saturnus rooms.

9:00 – 12:00 SPC & IPC meetings held in parallel, with a coffee break at 10:30.

12:00 Buffet lunch.

13:00- 16:00 EC meeting, with a coffee break at 15:00.

REGISTRATION FEES AND OTHER COSTS

There is **no** registration fee. Furthermore, the FOI has kindly offered to cover the costs of the lunch and coffee breaks over the two days. However, the optional evening dinner on the 5th May will cost around 40 Euros plus drinks per person.

TAXI TELEPHONE NUMBERS

Taxi Stockholm +46 8 150000

Taxi Kurir +46 8 300000

Dinner 19:30 Blå Dörren.

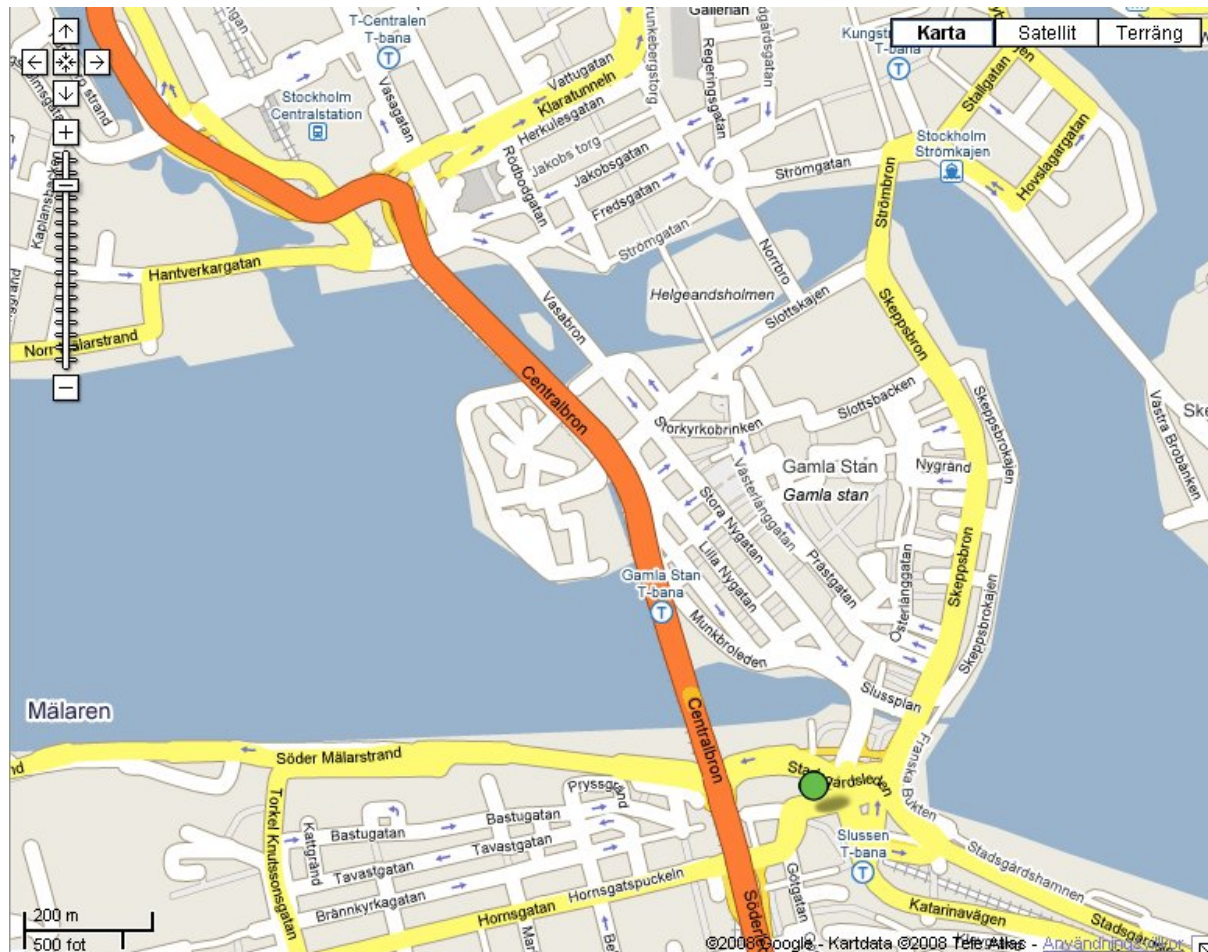
Blå Dörren (green spot)

Södermalms Torg 6

Tel: 08-743 07 40

Nice walk through the old town (Gamla Stan)

Or T-bana (subway) to Slussen



Menu on the next side...

Starters

Assortment of pickled Herring 79:-
served with Swedish cheese

Lightly grilled fillet of Duck..... 84:-
served on a bed of salad with mango sauce and aceto balsamico

Prawn in mayonnaise on toast..... 104:-
served with Spanish onions, white fish roe and lemon

Fish

Grilled fillet of Char..... 188:-
*served with a luke warm potatoe salad
and white fish roe in sour cream*

Meat

Grilled Lamb Chops 182:-
served with ratatouille, tzatziki and deep fried potatoes

Grilled Entrecôte..... 188:-
*served with aceto balsamico flavoured rocket salad,
parmesan cheese and deep fried potatoes*

Deserts

Assortment of Chocolat Truffels (dark, light, white) 48:-
or one Tryffel..... 18:-

Vanilla Ice Cream 70:-
served with warm raspberries

Crème Brulée..... 78:-

Walnut Brownie..... 86:-
served with chocolate sauce and whipped cream



ERCRAFT Spring Forum on



Bridging research between industry, institutes and universities

Swedish Defence Research Agency (FOI), Stockholm, 5th May 2008

Opening

9:00 Welcome and short intro

Nils Olsson, Deputy Division Head, Division of Defence & Security, Systems and Technology, FOI, Sweden

9:15 Opening address on ERCRAFT

Anthony Hutton, ERCRAFT Chairman, Airbus UK

Industry and Institute Perspectives.

9:30 Q&T in CFD and the updated multiphase BPG

Rene Oliemans, Delft University of Technology, NL.

10:00 Coffee.

10:20 Research institutes bridging research to industry

Christer Fureby & Peter Eliasson, FOI, Sweden.

11:00 Enabling technologies in aircraft design

Mattias Sillen, SAAB Aero Systems, Sweden

11:30 Competence Provision and Centers of Excellence for Gas Turbine Technology

Anders Skyttebol, Volvo Aero Corporation, Sweden.

12:00 Buffet lunch.

University Perspectives.

13:00 SIG-15: Turbulence Modelling

Suad Jakirlic. Darmstadt University of Technology, Germany

13:20 SIG-20: Drag Reduction and Flow Control

Kwing-So Choi. Nottingham University, UK

13:40 CICERO, an example of the Swedish competence centra model.

Henrik Alfredsson, KTH, Sweden.

14:10 tbd

Olle Bodin, KTH, Sweden

14:30 Coffee.

15:00 Panel discussion.

16:00 Close.

AGENDA

SCIENTIFIC PROGRAMME COMMITTEE MEETING

6th May 2008 Stockholm

09:00 SPC meeting, chaired by Prof. Leschziner

Coffee break around 10:30

1. Approval of agenda
2. Minutes of the SPC Meeting held in Brussels on the 31st October 2007
3. Special Interest Groups
 - i. Current status report
 - ii. SIG documentation on the website
 - iii. Creation of a new SIG on fiber suspension flows
4. Pilot Centres
 - i. Current status report
 - ii. PC documentation on the website
5. Workshops and summer schools
 - i. Status of reports on previous events
 - ii. New proposals
6. Status report on ETMM7 and ETMM8
7. ERCOFTAC publications
 - i. FTAC journal and the ERCOFTAC book series
 - ii. Changes to the bulletin format and the creation of a newsletter
8. ERCOFTAC webpage
 - i. Proposal to allow SIGs and PCs to update their own sections of the website
9. ERCOFTAC Autumn Festival (including Da Vinci competition)
10. Any other business
11. Date of next SPC meeting

12:00 End of meeting, lunch break

AGENDA

INDUSTRIAL PROGRAMME COMMITTEE MEETING

6th May 2008 Stockholm

09:00 IPC meeting, chaired by Dr. Lea

Coffee break around 10:30

- 1.** Minutes of IAC meeting held in Brussels on the 31st October 2007
- 2.** ERCOFTAC industrial strategy
 - i. Introduction to Richard Seoud (Industry Engagement Officer)
 - ii. Implementation – draft plan
 - iii. Monitoring & review
- 3.** QNET-CFD knowledge base
 - i. Present status
 - ii. Future plans
- 4.** Best Practice Guidelines (BPG)
 - i. Status of the Dispersed Multi-Phase Flow BPG
 - ii. Status of the Industrial CFD BPG, including 2nd edition
 - iii. Sales and income issues
- 5.** Future development of the IPC
- 6.** Any Other Business
 - i. Next IPC meeting

12:00 End of meeting, lunch break

AGENDA

EXECUTIVE COMMITTEE MEETING

6th May 2008 Stockholm

13:00 Executive Committee meeting, chaired by Prof. Hutton

Coffee break during the meeting approx. 3.00 pm)

1. Approval of the agenda
2. Minutes of the MB-GA meeting held in Brussels 31st October 2007
3. Action items from the MB-GA meeting held in Brussels 31st October 2007
4. The evolution of ERCOFTAC and its future operation:
5. ERCOFTAC Autumn Festival 2008 and the 20th Anniversary Celebrations
6. Status of ERCOFTAC products and services
 - i. FTAC journal
 - ii. Bulletin
 - iii. Book series
 - iv. Conferences: ETMM7 & 8
 - v. BPG - Industrial CFD
 - vi. BPG - Multiphase Flow
 - vii. Website
 - viii. ERCOFTAC data base
 - ix. QNET-CFD knowledge base
7. Financial report
 - i. Budget 2007 and 2008
8. Report from Administration and Development Office
9. Report from Coordination Centre
10. Report from Scientific Programme Committee
11. Report from Industrial Programme Committee
12. Any Other Business
 - i. Next MB-GA meeting
 - ii. Next EC meeting

16:00 End of meeting

Applications for ERCOFTAC event sponsorship

(To be considered at the SPC meeting in Stockholm 2008)

Summerschool & Courses

Scholarships

S2008-06	Turbulence and mixing in compressible flows II	X
S2008-07	LES and applications in aeroacoustics	X

Workshops & Conferences

S2008-07	European drag reduction and flow control	X
S2008-08	Direct and Large Eddy Simulations 7	X
S2008-09	Multiscale methods for fluid and plasma turbulence	X
S2008-10	Turbulence Modelling	X
S2008-11	Conference on turbulence and interactions	
S2008-12	Synthetic models in turbulence	X

Applications for ERCOFTAC SIG creation

SIG	Fibre suspension flows
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European Research Community On Flow, Turbulence And Combustion

WORKSHOPS/CONFERENCES/SUMMERSCHOOLS/COURSES SUMMARY SHEET

Title	Turbulence and mixing in compressible flows II			
	<i>Add a brief summary of the objectives of the activity (or the announcement) on a separate page</i>			
	Workshop	<input checked="" type="checkbox"/> Summerschool	Conference	Course
Location and Date	IUSTI, Marseille, July 7-12, 2008			
Organizer	Name: Jean-Paul Dussauge			
	Address IUSTI, Technopôle de Château-Gombert 5, Rue Enrico Fermi 13453 Marseille Cedex 13			
	Country: France			
	Tel.: +33 (0)4 91 10 85 37		Fax +33 (0)4 91 10 85 32	
	E-mail			
Pilot Center(s) or SIGs involved	SIG 4 Turbulence in Compressible Flows and France South PC			
Co-organizing Associations				
Scholarships	request scholarships ? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			
Rules	I have read the document "Rules for holding ERCOFTAC event", which can be found on www.ercoftac.org , ERCOFTAC events: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			

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CH - 1015 LAUSANNE
Switzerland

Fax: +41.21.693.53.07

To be filled-in by ERCOFTAC

Number	S2008-06
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Date Received	28.11.07
Discussed SPC & MB	SPC <input checked="" type="checkbox"/> MB <input type="checkbox"/>
Scholarships	Yes, Amount <input type="checkbox"/> EURO <input type="checkbox"/> No <input type="checkbox"/>
Announcement	Bulletin <input checked="" type="checkbox"/>
Report	Bulletin <input type="checkbox"/>

Turbulence and mixing in compressible flows II

Summary of the objectives

The Summerschool « Turbulence and mixing in compressible flows II » is organised for an audience of students, research scientists and engineers working on problems involving significant changes of density. This is of course the case of high speed flows (transonic, supersonic, hypersonic regimes). This happens also when interfaces between different media are subjected to accelerations, when some aspects of combustion are present or in the questions of aeroacoustics. Such problems appear in various domains of application: in aeronautics for problems of external and internal aerodynamics and for aeroacoustics, and more generally when the control of such compressible turbulent flows is investigated; the questions of compressible mixing and some aspects of astrophysical flows require also a detailed knowledge of compressible turbulence.

A quick analysis of the degree courses in the universities reveals that of compressible turbulence is generally not taught in the classical academic education, so that there is a need for specialized teaching on this topic, at a European level. Therefore, the objective of this Summer School is to give a series of specialised lectures for research scientists and engineers, giving information about the classical problems in the field, identifying the hard points and the available solutions.

The main topics which will be explored can be summed up as follows:

- Classical decompositions for compressible turbulence.
- Properties of supersonic boundary layers, Morkovin hypothesis, Reynolds Analogies.
- Properties of supersonic free shear flows.
- RANS modelling for supersonic flows.
- Spectral modelling for compressible flows.
- Shock turbulence interactions and shock-boundary layer interactions.
- Elements of aeroacoustics.
- Simulation of flows with combustion.

European Research Community On Flow, Turbulence And Combustion

WORKSHOPS/CONFERENCES/SUMMERSCHOOLS/COURSES SUMMARY SHEET

Title	Large-Eddy Simulation and Application in Aeroacoustics LES-AAA			
	<i>Add a brief summary of the objectives of the activity (or the announcement) on a separate page</i>			
	Workshop	X Summerschool	Conference	Course
Location and Date	Balatonfüred, Hungary. 31 st August – 6 th September 2008.			
Organizer	Name Prof. Tamas LAJOS, Mata Marton LOHASZ			
	Address Department of Fluid Mechanics, Budapest University of Technology and Economics, Bertalan L. Str. 4-6- 1111 Budapest.			
	Country Hungary			
	Tel +36 1463 1560		Fax +36 1463 3464	
	E-mail lohasz@ara.bme.hu , lajos@ara.bme.hu			
Pilot Center(s) or SIGs involved	AHS PC, SIG1 - LES, SIG39 – Aeroacoustics.			
Co-organizing Associations				
Scholarships	request scholarships ? X Yes No			
Rules	I have read the document "Rules for holding ERCOFTAC event", which can be found on www.ercoftac.org , ERCOFTAC events: X Yes No			

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Number	S2008-07
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Date Received	21.4.2008		
Discussed SPC & MB	SPC MB		
Scholarships	p Yes, Amount	EURO	p No
Announcement	Bulletin		
Report	Bulletin		

Summer School on Large-Eddy Simulation and Application in Aeroacoustics (LES-AAA)

Description

The objective of Summer School is to give introduction, transfer knowledge and disseminate current information on research in the field of **Large-Eddy Simulation (LES)** and methods of **Computational Aero-Acoustics (CAA)** to PhD students and young researchers working in the field of engineering or physics. Beside the separate treatment of these two fields emphasis will be put on showing the connections between them, how LES results can be used as source data for CAA simulations, and in which cases is continuous coupling needed. Because of this approach participants already active in one of these fields will find this Summer School useful in terms of extending their competence in the other field and of opening new paths in their research career. Another important goal of this event is to provide a networking possibility for young scientists in order to develop further opportunities for collaboration.

Lectures will be given by leading European scientists of the topics of academic background and experts of industrial code developer companies invited to present the current and anticipated potential of academic and industrial codes in solving problems in both fields.

Organizers

- Dept. of Fluid Mechanics of Budapest University of Technology and Economics
(Member of ERCOFTAC and Austrian, Hungarian and Slovenian (AHS) PC)
- Institute of Fluid Dynamics and Thermodynamics, University of Magdeburg "Otto von Guericke"
- Cost Action P20, LES AID
- ERCOFTAC AHS PC
- CFD.HU

Lecturers

From Academic Institutes:

Prof. Christophe Bailly, Prof. Bendiks Jan Boersma, Prof. Bernard J. Geurts, Prof. Pierre Sagaut, Prof. Dominique Thévenin

From Software Developer Companies:

Dr. Stéphane Caro, Dr. Fabrice Mathey, Dr. Christophe Schram
(Lectures come from 5 European countries.)

PRELIMINARY PROGRAM

	Sunday 31 st Aug.	Monday 1 st Sept.	Tuesday 2 nd Sept.	Wednesday 3 rd Sept.	Thursday 4 th Sept.	Friday 5 th Sept.	Saturday 6 th Sept.
8:00-9:40		Introduction to the Summer School (Thévenin)	Numerical Methods (Geurts)	Presentations of the Research Groups	From CFD to CAA: DNC vs hybrid approaches (Bailly)	SGS Noise models and Effect of SGS stress model on sound and application to Jet Noise (Bailly)	CAA using LMS Products (Schram)
10:10-11:50		Generalities (Thévenin), Turbulence Intro (Boersma)	Concept of LES, filtering (Sagaut)	Poster Session	Quality of LES, Validation (Thévenin), Resolution, convergence... (Geurts)	Acoustics Analogies (Boersma)	CAA using FFT Products (Caro)
13:20-15:00		Acoustics Intro and Analogies (Schram)	SGS modelling (Geurts)		Schemes & BCs for CAA and CFD (Bailly)	PDE methods	Application Examples
15:30-17:10	Travelling from Budapest to Balatonszék. During the trip: visiting Békéscsaba Laboratory	Difference between acoustics and turbulence, different scales	Role of Numerical Scheme in LES	Excursion	Practical hints, Post processing (Lohász)	LES and CAA in ANSYS packages (Mathey)	Application Examples
17:20-18:00		Illustrative Exercises	Illustrative Exercises		Illustrative Exercises	Illustrative Exercises	Evaluation of Summer School, final discussion (moderation: Thévenin)

Contribution to ERCOFTAC targets

The topic of the Summer School is a field (Aero-acoustics), where LES is almost unavoidable for accurate prediction. Since such methods are needed by and start to be used in industry and participants will come also from the industry the Summer School contributes also to transport of existing and developing knowledge from academy to industry. Furthermore dissemination of up-to-date knowledge in the fields concerned and networking of research groups and promoting their collaboration is targeted.

The Summer School lasts one week. Reduced fee (12-20% reduction) is charged to those attending from ERCOFTAC member institutions:

	before 14th June	after 14th June
ERCOFTAC academic members	€ 300	€ 350
ERCOFTAC industrial members	€ 400	€ 450
Other academicians	€ 340	€ 390
Other members of industry	€ 500	€ 550

The following items of Summer School programme include training: Illustrative exercises and Application examples in total 8 hours.

We apply for scholarship for young scientists from institutions that are member of ERCOFTAC covering the costs of accommodation: in single or double room 7 nights HUF 71260 or 49910 (280 or 195 euro), respectively.

Web site: <http://www.ara.bme.hu/les-aaa>

18. 04. 2008.

Prof. Tamás Lajos

European Research Community On Flow, Turbulence And Combustion

WORKSHOPS/CONFERENCES/SUMMERSCHOOLS/COURSES SUMMARY SHEET

Title	European Drag Reduction and Flow Control Meeting 2008 <i>Add a brief summary of the objectives of the activity (or the announcement) on a separate page</i>			
	<input checked="" type="checkbox"/> Workshop	<input type="checkbox"/> Summerschool	<input checked="" type="checkbox"/> Conference	<input type="checkbox"/> Course
Location and Date	Mariental, Germany 8-11 September 2008			
Organizer	Name ¹ Dr. Wolfram Hage and ² Dr. Erik Wassen			
	Address ¹ DLR Berlin, Institute of Propulsion Technology, Department of Engine Acoustics, Mueller-Breslau-Str. 8, D-10623 Berlin			
	² TU Berlin, Institute of Fluid Mechanics and Engineering Acoustics (ISTA), Computational Fluid Dynamics and Aeroacoustics Group, Mueller-Breslau-Str. 8, D-10623 Berlin			
	Country Germany			
	Tel +49 30 310006 46/43 Fax +49 30 310006 39			
	E-mail 1: wolfram.hage@dlr.de 2: erik.wassen@cfcd.tu-berlin.de			
Pilot Center(s) or SIGs involved	SIG 20: Drag Reduction and Flow Control			
Co-organizing Associations	None			
Scholarships	request scholarships ? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			
Rules	I have read the document "Rules for holding ERCOFTAC event", which can be found on www.ercoftac.org, ERCOFTAC events: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			

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Number	W2008-07
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Date Received	29.1.2008		
Discussed SPC & MB	SPC MB		
Scholarships	Yes, Amount	EURO	No
Announcement	Bulletin		
Report	Bulletin		

European Drag Reduction and Flow Control Meeting

EDRFCM 2008

8-11 September 2008
Ostritz – St. Marienthal, Germany

The European Drag Reduction and Flow Control Meetings have proven to be a very attractive series of workshops on drag reduction and flow control. They are organized by the ERCOFTAC Special Interest Group SIG20 *Drag Reduction and Flow Control*. Within this SIG, a coordination of experimental, numerical and analytical research into drag reduction and flow control using passive and active techniques is carried out.

Objectives

- Bring together active researchers working in the field of drag reduction and flow control for an exchange and discussion of most recent results,
- Identify area of drag reduction and flow control devices for industrial applications in the context of technology transfer,
- Encourage collaborations among researchers in Europe for academic research as well as funding purposes.

Topics

- Riblets, compliant walls, polymer and surfactant additives, wall and flow oscillations, optimal and suboptimal control, local blowing/suction, electro-magnetic control, plasma flow control, etc.
- Two special sessions are planned on “Electro-Magnetic Flow Control” and “Plasma Flow Control”.

In addition to traditional topics listed above we also invite papers on emerging topics and innovative drag reduction and flow control techniques through a manipulation of turbulent shear flows. Papers on all aspect of drag reduction studies and investigations of flow control using numerical simulations, theories and experiments will be accepted for presentation.

Meeting venue

The workshop will be held at the International Meeting Centre St. Marienthal, on the premises of an 800-year-old Cistercian convent. The meeting site is beautifully located on the banks of the river Neiße, right on the German-Polish border.

Registration

The registration fee will be 160 EUR (ERCOFTAC members: 140 EUR), which includes the Book of Abstracts, an excursion to nearby historic sites and a conference dinner. Limited funding is available for students to cover part of the travel expenses and the registration fee.

Contact information

Coordinator of SIG20 Drag Reduction and Flow Control and main organizer:

Prof. Kwing-So Choi
University of Nottingham
School of Mechanical, Materials and
Manufacturing Engineering
Nottingham, United Kingdom
Email: kwing-so.choi@nottingham.ac.uk
Phone: +44 0115 951 3792

Local Organizers:

Dr. Wolfram Hage
DLR Berlin, Institute of Propulsion Technology
Email: wolfram.hage@dlr.de
Phone: +49 30 31000646

Dr. Erik Wassen
TU Berlin, Dept. of Fluid Mech. and Engineering
Acoustics
Email: erik.wassen@cfp.tu-berlin.de
Phone: +49 30 31422849

European Research Community On Flow, Turbulence And Combustion

WORKSHOPS/CONFERENCES/SUMMERSCHOOLS/COURSES SUMMARY SHEET

Title	Direct and Large Eddy Simulations 7 <i>Add a brief summary of the objectives of the activity (or the announcement) on a separate page</i>		
	<input type="checkbox"/> Workshop	<input type="checkbox"/> Summerschool	<input type="checkbox"/> Conference <input type="checkbox"/> Course
Location and Date	University of Trieste-JCTP, Italy. 8-10 September 2008.		
Organizer	Name Armenio V., Fröhlich J., Geurts B.J., Métals O. & Sreenivasan K.R. Address Vincenzo ARMENIO, Dipartimento di Ingegneria Civile e Ambientale, University of Trieste, Piazzale Europa 1, 34127 Trieste, Italy. Country Italy Tel +39 040 558 3472 Fax +39 040 572 082 E-mail armenio@dica.units.it		
Pilot Center(s) or SIGs involved	SIG 1 : Large eddy simulation		
Co-organizing Associations			
Scholarships	request scholarships ? <input type="checkbox"/> Yes 2000 Euros <input type="checkbox"/> No		
Rules	I have read the document "Rules for holding ERCOFTAC event", which can be found on www.ercoftac.org, ERCOFTAC events: <input type="checkbox"/> Yes <input type="checkbox"/> No		

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Number	W2008-08
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Date Received	11.2.2008		
Discussed SPC & MB	SPC MB		
Scholarships	Yes, Amount	EURO	No
Announcement	Bulletin		
Report	Bulletin		

Direct and Large-Eddy Simulations 7 (DLES7)

University of Trieste, International Centre for Theoretical Physics (ICTP) , Trieste- Italy

September 8-10 2008

After Surrey in 1994, Grenoble in 1996, Cambridge in 1999, Enschede in 2001, Munich in 2003 and Poitiers in 2005, the 7th Workshop, DLES7, will be held in Trieste, again, under the auspices of ERCOFTAC. Following the spirit of the series, the goal of this latest workshop is to establish a state-of-the-art of DNS and LES techniques for the computation and modeling of transitional/turbulent flows covering a broad scope of topics such as aerodynamics, acoustics, combustion, multiphase flows, environment, geophysics and bio-medical applications. This gathering of specialists in the field should once again be a unique opportunity for discussions about the more recent advances in the prediction, understanding and control of turbulent flows in academic or industrial situations.

Organizing Committee:

Vincenzo Armenio (University of Trieste, Italy)
Jochen Fröhlich (Technical University of Dresden, Germany)
Bernard J. Geurts (University of Twente, The Netherlands)
Olivier Métais (ENSHMG, Grenoble, France)
Katepalli R. Sreenivasan (ICTP, Trieste, Italy)

Invited speakers:

Said E. Elghobashi (University of California Irvine, USA) - DNS of particle laden flows
Peter Flohr (ALSTOM Ltd., Switzerland) - LES for industrial applications
Rainer Friedrich (Technische Universität München, Germany) - DNS of compressible flows
Tomas J.R. Hughes (The University of Texas at Austin, USA) - Errors and modelling in LES
Charles Meneveau (The Johns Hopkins University, USA) - LES in environmental flows
Gianni Pedrizzetti (University of Trieste, Italy) - DNS of bio-medical fluid mechanics
Ugo Piomelli (University of Maryland College Park, USA) - LES of complex flows
Stephen B. Pope (Cornell University, USA) - DNS/LES of reacting flows
Roberto Verzicco (Politecnico di Bari, Italy) - DNS/LES of active and passive scalars

Scientific Committee

K. Adams, Technische Universität München, Germany
S. Banerjee, University of California Santa Barbara, USA
D. Carati, Université Libre de Bruxelles, Belgium
H. Clercx, Technische Universiteit Eindhoven , NL
L. Davidson, Chalmers University of Technology , Sweden
T. Frank, ANSYS Germany
J. Kim, University of California Los Angeles , USA
J.C.M. Kuerten, Technische Universiteit Eindhoven , NL
E. Lamballais, University of Poitiers , France
I. Marry, ONERA, France
C. Meneveau Johns Hopkins University , USA
P. Orlandi, University of Rome 'La Sapienza', Italy
G. Pedrizzetti, University of Trieste , Italy
U. Piomelli, University of Maryland College Park , MD , USA
V. Salvetti, University of Pisa, Italy
N. Sandham, University of Southampton , UK
S. Sarkar, University of California San Diego , USA

A. Scotti, University of North Carolina, USA
O. Simonin, IMFT, France
P.R. Spalart, Boeing Commercial Airplanes, Seattle , USA
M. Uhlmann, CIEMAT, Spain
F. Toschi, IAC-CNR , Italy

Webpage: <http://www.units.it/~dles7/>

European Research Community On Flow, Turbulence And Combustion

WORKSHOPS/CONFERENCES/SUMMERSCHOOLS/COURSES

SUMMARY SHEET

Title	Multiscale methods for fluid & plasma turbulence : Applications to magnetically confined plasmas in fusion devices			
	<i>Add a brief summary of the objectives of the activity (or the announcement) on a separate page</i>			
	<input checked="" type="checkbox"/> Workshop	<input type="checkbox"/> Summerschool	<input type="checkbox"/> Conference	<input type="checkbox"/> Course
Location and Date	CIRM, Luminy (near Marseille, France), April 21—25, 2008			
Organizer	Name Kai Schneider			
	Address CMI, Université de Provence (Aix-Marseille I) 39, rue Joliot-Curie, 13453 Marseille Cedex			
	Country France			
	Tel 33 (0) 4 91 11 85 29		Fax 33 (0) 4 91 11 35 02	
	E-mail kschneid@cmi.univ-mrs.fr			
Pilot Center(s) or SIGs involved	Henri Bénard PC, SIG 35			
Co-organizing Associations	CNRS, CEA, ONR, Université franco-allemande, Ville de Marseille.			
Scholarships	request scholarships ? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			
Rules	I have read the document "Rules for holding ERCOFTAC event", which can be found on www.ercoftac.org, ERCOFTAC events: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			

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Number	W2008-09
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Date Received	5.3.2008		
Discussed SPC & MB	SPC MB		
Scholarships	Yes, Amount	EURO	No
Announcement	Bulletin		
Report	Bulletin		

Multiscale methods for fluid and plasma turbulence: Applications to magnetically confined plasmas in fusion devices

April 21st to 25th 2008 at the CIRM in Marseille.

The CIRM (Centre International de Rencontres Mathématiques) is a very beautiful place just above the famous Calanques of Marseille, on the Mediterranean sea coast. For more details you can consult the web site:

<http://www.cirm.univ-mrs.fr>.

The aim of the meeting is to bring together applied mathematicians working in the field of numerical analysis and scientific computing, plasma physicists working on magnetically confined plasmas and fluid mechanicians working on fluid turbulence. The state of the art in the field of numerical simulation of plasma and fluid turbulence will be reviewed and new promising approaches based on multiscale decompositions will be presented. Numerical methods for Navier-Stokes and Maxwell equations will be discussed as well as kinetic models based on Vlasov and Boltzmann equations using particle or hybrid particle methods. The interdisciplinarity of the participants will yield synergetic effects and fruitful discussions between the different communities.

The attendance is limited to 50 people and we would like to invite you to present some of your recent work. Unfortunately, at this stage we are not able to promise financial support to any of the participants.

International Workshop

**Multiscale Methods for Fluid and Plasma Turbulence :
Applications to Magnetically Confined Plasmas
in Fusion Devices**

April 21st to 25th 2008,
Centre International de Rencontres Mathématiques,
Marseille



Confirmed speakers (up to now):

Herman Clercx, Netherlands

Rainer Grauer, Germany

Frank Jenko, Germany

Bob Krasny, USA

Caroline Nore, France

Bob Rubinstein, USA

Eric Sonnendrücker, France

Bryan Taylor, United Kingdom

Pat Diamond, USA

T.S. Hahm, USA

Yukio Kaneda, Japan

David Montgomery, USA

Assad Oberai, USA

Florin Spineanu, Roumania

Edriss Titi, USA

Madalina Vlad, Roumania

Contact: Marie Farge (farge@lmd.ens.fr) or Kai Schneider (kschneid@cmi.univ-mrs.fr)

European Research Community On Flow, Turbulence And Combustion

WORKSHOPS/CONFERENCES/SUMMERSCHOOLS/COURSES SUMMARY SHEET

Title	13th ERCOFTAC (SIG15) Workshop on Turbulence Modelling <i>Add a brief summary of the objectives of the activity (or the announcement) on a separate page</i>			
	<input checked="" type="checkbox"/> Workshop	<input type="checkbox"/> Summerschool	<input type="checkbox"/> Conference	<input type="checkbox"/> Course
Location and Date	September 25-26, 2008, Technical University of Graz, Austria			
Organizer	Name: Prof. Dr.-Ing. Günter Brenn Address: Institut für Strömungslehre und Wärmeübertragung, Technische Universität Graz, Inffeldgasse 25/F, A-8010 Graz Country: Austria Tel.: 0043-316-873-7340 and 7341 Fax: 0043-316-873-7356 E-mail: brenn@fluidmech.tu-graz.ac.at			
Pilot Center(s) or SIGs involved	SIG15 (also PC Austria-Slovenia-Hungary)			
Co-organizing Associations	IAHR and COST			
Scholarships	request scholarships ? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			
Rules	I have read the document "Rules for holding ERCOFTAC event", which can be found on www.ercoftac.org, ERCOFTAC events: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			

Please return this form + annexes to

ERCOFTAC Coordination Centre
EPFL-STI-IGM-ERCOFTAC
CH - 1015 LAUSANNE
Switzerland

Fax: +41.21.693.53.07

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Number	W2008-10
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Date Received	18.3.2008		
Discussed SPC & MB	SPC MB		
Scholarships	Yes, Amount	EURO	No
Announcement	Bulletin		
Report	Bulletin		



TECHNISCHE
UNIVERSITÄT
DARMSTADT

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Aeronautics Department
Price Consort Rd.
London SW7 2AZ, UK

Priv.-Doz.

Dr.-Ing. habil. Suad Jakirlić
Fachgebiet Strömungslehre
und Aerodynamik

Fachbereich 16 • Maschinenbau
Technische Universität Darmstadt

Petersenstrasse 30
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Telefon (06151) 16-2854 Sekretariat
Telefax (06151) 16-4754

E-mail: s.jakirlic@sla.tu-darmstadt.de
www.sla.tu-darmstadt.de

Datum 15. April 2008

To Prof. Leschziner, Chairman of the ERCOFTAC Scientific Programme Committee

Subject: Request for subsidy for graduate students participating the 13th ERCOFTAC (SIG15) Workshop on Turbulence Modelling, September 25-26, 2008, Technical University Graz, Austria

Dear Michael,

as you already know, Prof. Brenn from the Institute for Fluid Mechanics and Heat Transfer, Technical University of Graz, Austria, has kindly accepted to organize the 13th ERCOFTAC Workshop on Turbulence Modelling, which will be held in September 25-26, 2008. Herewith, on behalf of him and the SIG15 steering committee, I would like to request for subsidy to cover travel and accommodation costs of participating graduate students.

Thank you very much in advance.

With best regards

Suad Jakirlić

Enclosures: sheet with workshop objectives and corresponding form

13th ERCOFTAC (SIG15) Workshop on Turbulence Modelling September 25-26, 2008, Technical University of Graz, Austria

Objectives: Keeping in mind the wide use of CFD technology for solving the problems of industrial relevance, questions about the credibility and reliability of both the numerical methods and mathematical models simulating turbulence can only be tackled by intensive verification and systematic validation. The role of the ERCOFTAC series of workshops on refined turbulence modelling is closely connected to that. The workshops aim at bringing together scientists, researchers, users and developers from industry and from the academic field. A large data-base of simulation results assembled in such a way, as well as their detailed comparison with the reliable reference data obtained experimentally, by means of DNS but also by highly-resolved LES, enable discussion and conclusions about predictive performances of variety of turbulence models in a broad range of well-documented flow configurations. Similar to the previous twelve workshops in Lyon (1991), Manchester (1993), Lisbon (1994), Karlsruhe (1995), Chatou (1996), Delft (1997), Manchester (1998), Helsinki (1999), Darmstadt (2001), Poitiers (2002), Gothenburg (2005) and Berlin (2006) some fundamental phenomena, but also some industrially relevant problems have been chosen as test cases for this workshop. The selection of test cases was made by the steering committee of the ERCOFTAC Special Interesting Group on Turbulence Modelling (SIG15). In addition, two sessions devoted to the “Hybrid RANS/LES methods” with emphasis on their predictive capabilities in different applications will be organized.

Steering committee (SIG15): K. Hanjalic, TU Delft and Universita di Roma “La Sapienza”; S. Jakirlic (coordinator), Technical University Darmstadt; D. Laurence, University of Manchester and EDF, France; B. Launder, University of Manchester; W. Rodi, University of Karlsruhe; M. Leschziner, Imperial College of Science, London; F. Menter, ANSYS Germany; R. Manceau, University of Poitiers; S. Wallin, KTH Stockholm and FOI

Local organizing committee: Prof. Günter Brenn, Prof. Helfried Steiner and the Staff of the Institute for Fluid Mechanics and Heat Transfer, Technical University of Graz, Austria

European Research Community On Flow, Turbulence And Combustion

WORKSHOPS/CONFERENCES/SUMMERSCHOOLS/COURSES SUMMARY SHEET

Title	Conference on Turbulence and Interactions (TI2009)			
	<i>Add a brief summary of the objectives of the activity (or the announcement) on a separate page</i>			
	Workshop	Summerschool	X Conference	Course
Location and Date	Karibea Resort Saint-Luce (La Martinique, French oversea dept.) May 31 – June 5 2009			
Organizer	Name Michel Deville			
	Address EPFL, Lausanne,			
	Country Switzerland			
	Tel (41 21) 693 53 18		Fax (41 21) 693 36 46	
	E-mail michel.deville@epfl.ch			
Pilot Center(s) or SIGs involved	Centre Henri Bénard PC, Swiss PC, SIG s 4, 12, 14, 35, 39, 42			
Co-organizing Associations	EPFL, DGA, ONERA, UPMC (Paris VI)			
Scholarships	request scholarships ? Yes X No			
Rules	I have read the document "Rules for holding ERCOFTAC event", which can be found on www.ercoftac.org , ERCOFTAC events: X Yes No			

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Number	W2008-11
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Date Received	18.4.2008		
Discussed SPC & MB	SPC		MB
Scholarships	p Yes, Amount	EURO	p No
Announcement	Bulletin		
Report	Bulletin		

Ti2009

2ND INTERNATIONAL CONFERENCE ON TURBULENCE AND INTERACTIONS

Contacts

For general inquiries and registration information please contact ti2009-information@onera.fr

For questions about reviewing please contact ti2009-reviewing@onera.fr

Location

The conference will be held at the Karibea Resort Sainte-Luce, located near the small village of Sainte Luce, it is bordered by two natural beaches. The Karibea Sainte Luce Resort is a hotel complex that groups the Amandiers, Amyris and Caribia hotels.

Accommodation

The hotel complex has 300 rooms, Junior-suites and suites distributed over several two-storey buildings situated on 4ha of tropical gardens.

All the units are equipped as follows : individually regulated air conditioning, fridge, individual safe (at reception for standard and terrace rooms), direct telephone, television, hair dryer, electric razor power point.

Access

By air :

25 kilometers from Lamentin/Fort de France international airport, served by a number of different Airlines (<http://martinique-guide.info/getting.there/air.travel>). Regional companies serve the neighbouring islands of Guadeloupe, Dominica, St Martin, Barbados and Ste Lucie.

By sea :

15 kilometers from the marinas of Pointe du Bout and Marin and 30 kilometers from the port in Fort de France.

By road :

3 kilometers from the village of Sainte-Luce and 30 kilometers from Fort de France. When you leave Lamentin airport, take the bypass coming from Fort de France towards Sud Caraïbes, take the Rivière Salée direction and then Ste Luce. Leave the trunk road by turning right in the direction of Anse Mabouya and turn left at the first crossroads. The hotel complex is 500 meters along this road.

2nd International Conference on Turbulence and Interaction

31st May – 5th June, 2009 - Sainte-Luce, Martinique

Ti2009

<http://ti2009.onera.fr>

Call for Papers

Organized by :



TI2009 Conference

The first “Turbulence and Interactions” conference (TI2006) was held at the IGeSA Centre on the Porquerolles Island (France) from May 29 to June 2, 2006. This was a unique event as it allowed to gather together many organizations concerned with turbulence research in a single spot. As the title “Turbulence and Interactions” anticipated, the workshop was not run on the basis of parallel sessions but instead in serial sessions where people had strong interactions and sharing. The website of the conference is <http://www.onera.fr/congres/ti2006/>.

The TI2009 Conference, the second one of a series, participates to the same philosophy, with emphasis in providing strong evidence that the three pillars of science, namely theory, experiments and computing, through their interplay come to achieving progress in understanding and predicting the physics of complex flows and engineering problems. Contributions will give some deep insight into the very different interaction phenomena with turbulence.

Conference Themes

Multiscale Interactions in Fundamental Turbulence (anisotropy, coherent structures, incompressible flows, wall turbulence, DNS) Compressible Turbulence (compressible flows, shock/ turbulence interactions, aeroacoustics) MHD and Heat Transfer (plasma flows, film cooling, transport temperature, magnetic fields) Complex Flows (rotating flows, swirling jet, separated flows, controlled flows, superfluid)

Invited Speakers

Prof. Carlo Ferruccio Barenghi, Newcastle University, UK
Prof. Laszlo Fuchs, Stockholm & Lund University, Sweden
Prof. Sendin Javier Jimenez, Universidad Politécnica de Madrid, Spain
Dr. Chin-Hoh Moeng, National Center for Atmospheric Research (NCAR), USA
Prof. Jean-François Pinton, Ecole Normale Supérieure de Lyon, France
Prof. Lian Shen, Johns Hopkins University, USA
Prof. Alexander J. Smits, Princeton University, USA
Dr. Philippe R. Spalart, Boeing Commercial Airplanes, USA
Prof. Arkady Tsinober, Imperial College London, UK

Sponsor

DGA – Délégation Générale pour l’Armement – French Ministry of Defense. <http://www.defense.gouv.fr/dga>
Université Pierre et marie Curie

Scientific committee

Prof. Nikolaus A. Adams, Technische Universität München, Germany
Prof. Vincenzo Armenio, Università di Trieste, Italy
Prof. Christophe Bailly, Ecole Centrale de Lyon, France
Dr. Christophe Brun, Université d’Orléans, France
Prof. Claude Cambon, Ecole Centrale de Lyon, France
Prof. Lars Davidson, Chalmers University of Technology, Sweden
Dr. Sébastien Deck, ONERA, France
Prof. Michel Deville, Ecole Polytechnique Fédérale de Lausanne, Switzerland
Prof. Jochen Fröhlich, Technical University of Dresden, Germany
Dr. Eric Garnier, ONERA, France
Prof. Massimo Germano, Politecnico di Torino, Italy
Dr. Vincent Gizez, ONERA, France
Prof. Thomas J. R. Hughes, The University of Texas at Austin, USA
Prof. John Kim, University of California, USA
Prof. Bernard Knaepen, Université Libre de Bruxelles,
Belgium
Prof. Hans Kuerten, Technische Universität Eindhoven, Holland
Dr. Lionel Larchevêque, Université d’Aix-Marseille, France
Dr. Thiên-Hiép Lê, ONERA, France
Prof. Emmanuel Leriche, Université Jean Monnet de Saint-Etienne, France
Prof. Marcello Manna, Università degli Studi di Napoli “Federico II”, Italy
Prof. Pierre Sagaut, Université Pierre et Marie Curie, France
Prof. Neil Sandham, University of Southampton, UK
Prof. Maria Vittoria Salvetti, Università di Pisa, Italy
Prof. Alberto Scotti, University of North Carolina, USA
Prof. Jörn Sesterhenn, Universität der Bundeswehr München, Germany
Dr. Marc Terracol, ONERA, France
Prof. Makoto Tsubokura, Hokkaido University, Japan
Prof. Luc Vervisch, INSA de Rouen, France

Executive Committee

Mrs. Brigitte Commelin, ONERA
Mrs. Ghislaine Denis, ONERA
Dr. Vincent Gizez, ONERA
Dr. Marc Terracol, ONERA

Organizing Committee

Prof. Michel Deville, EPFL
Dr. Thiên-Hiép Lê, ONERA
Prof. Pierre Sagaut, UPMC

Call for papers

Extended abstracts (3 pages) must be submitted in PDF format via the conference web site
<http://ti2009-papers.onera.fr/openconf.php>.

Conference proceedings

Accepted papers will be published in Notes of Numerical Fluid Mechanics and Multidisciplinary Design (NMFM) – Springer. Dead line for full papers on March 15, 2009.

Registration fees

Each participant is required to register and to pay the registration fee by 6th February 2009
Registration : 406 €

The registration fees includes

Proceedings
Coffee breaks and lunches for 5 days
Welcome cocktail and gala dinner
Airport Transfer

Important dates

•Extended abstract (3 pages, figures included, pdf format only) due to September 26, 2008
•Acceptance notification on January 15, 2009
•Registration on February 6, 2009
•Final paper due to March 15, 2009

European Research Community On Flow, Turbulence And Combustion

WORKSHOPS/CONFERENCES/SUMMERSCHOOLS/COURSES SUMMARY SHEET

Title	3rd Workshop on Synthetic Turbulence Models			
	<i>Add a brief summary of the objectives of the activity (or the announcement) on a separate page</i>			
	<input checked="" type="checkbox"/> Workshop	<input type="checkbox"/> Summerschool	<input type="checkbox"/> Conference	<input type="checkbox"/> Course
Location and Date	The University of Newcastle, Room 2, Level 4, Herschel Building, Mathematics & Statistics, Newcastle upon Tyne, United Kingdom 3rd – 4th July 2008			
Organizer	Name F. Nicolleau, M. Reeks, A. Baggaley, C. Cambon			
	Address University of Sheffield, Department of Mechanical Engineering, Mappin Street, Sheffield S1 3JD			
	Country UK			
	Tel +44 (0)114 222 7867		Fax +44 (0)114 22 27890	
	E-mail F.Nicolleau@sheffield.ac.uk			
Pilot Center(s) or SIGs involved	SIG 42, SIG 35, Henri Bénard pilot Centre, UK PC			
Co-organizing Associations				
Scholarships	request scholarships ? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			
Rules	I have read the document "Rules for holding ERCOFTAC event", which can be found on www.ercoftac.org, ERCOFTAC events: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			

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Number	W2008-12
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Date Received	25.4.2008		
Discussed SPC & MB	SPC MB		
Scholarships	<input type="checkbox"/> Yes, Amount	EURO	<input type="checkbox"/> No
Announcement	Bulletin		
Report	Bulletin		

ERCOFTAC/SIG 42

3rd Workshop on Synthetic Turbulence Models

3rd – 4th July 2008, Newcastle upon Tyne

This workshop will be the third on Synthetic turbulence, the first to use the newly approved label ERCOFTAC/SIG 42. It is open to anyone interested in "synthetic turbulence" including the so-called Kinematic Simulation.

KS is widely used in various domains, including Lagrangian aspects in turbulence mixing/stirring, particle dispersion/clustering, and last but not least, aeroacoustics. Flow realisations with complete spatial, and sometime spatio-temporal, dependency, are generated via superposition of random modes (mostly spatial, and sometime spatial and temporal, Fourier modes), with prescribed constraints such as: strict incompressibility (divergence-free velocity field at each point), high Reynolds energy spectrum, ... Recent improvements consisted in incorporating linear dynamics, for instance in rotating and/or stably-stratified flows, with possible easy generalisation to MHD flows, and perhaps to plasmas. On the other hand, the absence of "sweeping effects" in present conventional KS versions is identified as a major drawback in very different applications: inertial particle clustering (Vassilicos et al.) as well as in aeroacoustics. Nevertheless, this issue was addressed in some basic papers (Fung et al.), and merits to be revisited in the light of new studies in progress.

A non-exhaustive list of topics to be discussed at the workshop:

- improvement of the modelling of small scales advection by largest scales (sweeping),
- introduction of strongly anisotropic energy spectra with better randomization of the wave-vector,
- analogy with initialisation of DNS/LES and with "Particle Representation Models" (Kassinos et al.),
- use of specific modes consistent with geometric constraints, e.g. solid walls, instead of 3D spatial Fourier modes,
- improvement of KS as a subgrid model for LES : Lagrangian diffusion and aeroacoustics (Luo et al.)
- competition between "wavy" (really spatio-temporal, propagating) and "vortical" structures of the velocity field for organizing
- Lagrangian turbulence diffusion, from fluid to plasma turbulence,
- other "synthetic" models, e.g. to afford intermittency, possibly very different from conventional KS.

This workshop is the 3rd workshop held by the ERCOFTAC Special Interest Group on Synthetic Turbulence Models. It follows those held 29th-30th May 2007 at the University of Sheffield and 29th-30th November 2007 at the UPC Vilanova i la Geltru. Reports on these workshops can be found in issues 75 and 77 of the ERCOFTAC bulletin.

Audience

This workshop will be the third on Synthetic turbulence, the first to use the newly approved label ERCOFTAC/SIG 42. It is open to anyone interested in "synthetic turbulence" including the so-called Kinematic Simulation, (KS hereinafter).

Confirmed talks

J.-R. Angilella, Nancy-Universités, LAEGO, France

Chaotic particle settling in elementary flow structures

A. Baggaley, University of Newcastle, Mathematics & Statistics, UK

TBA

C. Cambon, ECL, Lyon, France

KS for highly anisotropic homogeneous turbulent flows

R. Castilla, UPC, Terrasa, Spain

TBA

B. Favier, ECL, Lyon, France

Progress in aeroacoustics, using both DNS and (improved) KS.

A. Khan, University of Glasgow, Physics, UK

KS subgrid for LES langrangian modelling

M. Reeks, University of Newcastle, School of Mechanical& Systems Engineering, UK

TBA

Stavros Kassinos & Evangelos Akylas, Cyprus

TBA

F.C.G.A. Nicolleau University of Sheffield, Mechanical Engineering, UK

KS prediction of Richardson regime

A. F. Nowakowski University of Sheffield, Mechanical Engineering, UK

A compressible multiphase flows model with interfaces

J.M. Redondo, UPC, Barcelona, Spain

TBA

Confirmed participants

E. Akylas	Dept. Mechanical & Manufacturing Engineering, University of Cyprus, Cyprus
J.-R. Angilella	Nancy-Universités, LAEGO, France
A. Baggaley	University of Newcastle, Mathematics & Statistics, UK
C. Cambon	Ecole Centrale de Lyon, LMFA, France
S.Kassinos,	Dept. Mechanical & Manufacturing Engineering, University of Cyprus, Cyprus
A. Khan	University of Glasgow, Physics, UK
F.C.G.A. Nicolleau	University of Sheffield, Mechanical Engineering, UK
A. F. Nowakowski	University of Sheffield, Mechanical Engineering, UK
J.-M. Redondo	UPC, Barcelona, Spain
M. Reeks	University of Newcastle, School of Mechanical& Systems Engineering, UK
O. Ross	University of Essex, Biological Sciences, UK
J. C. Vassilicos	Imperial College, London, Aeronautics, UK
H. Zheng	University of Sheffield, Mechanical Engineering, UK

Preliminary programme

THURSDAY 3rd JULY 2008

Morning

C. Cambon
Report on Ercoftac and SIG42 activities

Talks

J.-R. Angilella

Afternoon

Talk

Open discussion

FRIDAY 4th JULY 2008

Morning

Talks

Update on possibility of grant applications

Afternoon

Talk

J.-M. Redondo
Regular publication of the different contributions

Practical information

The conference will take place at:

The University of Newcastle
Room 2, Level 4
Herschel Building
Mathematics & Statistics
Newcastle upon Tyne
UK

Organizers

Co-organizer (local): Prof. M. Reeks

Mike.Reeks@newcastle.ac.uk

+44 (0)191 222 3570

+44 (0)191 222 5236

School of Mechanical & Systems Engineering

Stephenson Building

Claremont Rd

University of Newcastle upon Tyne

Newcastle upon Tyne, NE1 7RU

UK

Co-organizer (local): Andrew Baggaley

A.W.Baggaley@newcastle.ac.uk

School of Mathematics & Statistics

Herschel Building

Newcastle University, Newcastle upon Tyne

NE1 7RU, United Kingdom.

Co-organizer: Dr C. Cambon

<mailto:Claude.Cambon@ec-lyon.fr>

Ecole Centrale de Lyon, LMFA,

36 avenue Guy de Collongue - BP 163,

69131, Ecully CEDEX, France

Co-organizer: Dr F. Nicolleau

F.Nicolleau@sheffield.ac.uk

+44 (0)114 222 7867

University of Sheffield

Department of Mechanical Engineering

Mappin Street

Sheffield S1 3JD, United Kingdom

Co-organizer: Pr J. C. Vassilicos

j.c.vassilicos@ic.ac.uk

Imperial College of Science, London, Department of Aeronautics,

Prince Consort Road, South Kensington,

London SW7 2BY, United Kingdom

April 9, 2008

To ERCOFTAC Managing board

Proposal to create the Special Interest Group (SIG) for Fibre suspension flows

Results of the initiative letter to the pilot centres

A letter describing the initiative to create SIG for *Fibre Suspension Flows* was sent to ERCOFTAC Pilot Centres on November 21, 2007. The following persons were interested to join the SIG organizing committee:

- Darek Asendrych, Czestochowa University of Technology, Poland
- Bendiks Jan Boersma, Delft University of Technology, The Netherlands
- Thanasis D. Papathanasiou, University of Thessaly, Greece
- (Salaheddine Skali-Lami, University of Nancy, France (ERCOFTAC member?))
- Roland Zelm, Technische Universität Dresden, Germany

in addition to person from the Nordic Pilot Centre:

- Jari Härmäläinen, University of Kuopio, Finland
- Hannu Eloranta, Tampere University of Technology, Finland
- Fredrik Lundell, Royal Institute of Technology (KTH), Sweden
- Janne Poranen, VTT (Technical Research Centre of Finland), Finland
- *Industry*: Tomas Wikström, Metso Paper, Inc., Sweden

It appeared that fibre suspension flows can be found in many industrial applications, not only in pulp and paper industry. Thus, the SIG would serve us as European forum to share experiences of fibre suspension flow research in various applications.

Action plan

1. Organize an annual meeting (workshop, symposium) on fibre suspension flows, including both CFD and experiments.
2. Organize special sessions or mini-symposia in international conferences: Planning of the first international symposium has been started and the University of Kuopio will organize the "Papermaking Research Symposium" in 2009.
3. Promoting ERCOFTAC membership to new institutes and companies interested in fibre suspension flows, and more generally on flow, turbulence and combustion.
4. Transfer of knowledge and experience in fibre suspension flows to industry.
5. First map out and then bring together research from different application areas and establish fundamental framework for experimental and numerical studies of fibre suspension flows.
6. Develop Best practical guidelines for fibre suspension flow (an extension of the Best practical guidelines for multi-phase flows).

Jari Härmäläinen
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Home page: <http://venda.uku.fi/~jpihamal/>