

## **COST ACTION FP1005**

### **“Fibre suspension flow modelling - a key for innovation and competitiveness in the pulp & paper industry”**

#### **Minutes of the 4th Management Committee Meeting**

**PFI (Paper and Fiber Research Institute), NTNU**

**Høgskoleringen 6b, NO-7491, Trondheim, Norway**

**26 October 2012**

1. Welcome to participants
2. Adoption of the MC meeting agenda
3. Minutes of the last meeting
4. News from the Chair (C. Marchioli)
5. Progress report of working groups
6. Action planning
7. STSM status, applications
8. Training Schools
9. Publications, dissemination and outreach activities
10. Request for new members
11. Promotion of gender balance and of Early Stage Researchers (ESR)
12. Non-COST country participations
13. Web news
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#### **1. Welcome**

The participants of the Management Committee (MC) meeting were welcomed by the Action Chair, Dr Cristian Marchioli. Meeting opens at 9:30.

A total of 6 participants from the following 5 Parties attended the meeting: France (FR), Italy (IT), Norway (NO), Poland (PL), Sweden (SE).

With 5 of the 16 (31%) Parties having accepted the MoU to date represented at this meeting the quorum of 2/3 required under COST rules (see COST 4159/10 Annex II Art. 8) is not attained.

Minutes of this MC meeting were then approved by written procedure.

The list of participants in the meeting is presented in Annex 2, their contact details can be found on the COST website at [http://w3.cost.eu/index.php?id=183&action\\_number=FP1005](http://w3.cost.eu/index.php?id=183&action_number=FP1005)

#### **2. Adoption of the MC meeting agenda**

The agenda of the meeting was approved without changes or additions by the MC members.

### 3. Minutes of the last meeting

The minutes of the 3rd COST FP1005 MC meeting that was held on 29-30 March 2012, at COST Office, Brussels, Belgium, were approved unanimously.

### 4. News from the Chair (C. Marchioli)

The Chair informed the MC about current status of the Action: up to the date of the meeting, 16 countries are included in the Action. One new country (Denmark, Ms Anna TRUBETSKAYA) has started the procedure to join the Action subject to MC permission and MoU acceptance. THE MC approves the request.

The total number of Action participants up to the date of the meeting is 96: 35 (7 females) participants have joined WG1, 18 (6) have joined WG2, 43 (1) have joined WG3. Gender balance is 14.6%. The presentation is found in Annex 3.

### 5. Progress report of working groups

The leader of each WG (J. Salmela for WG1, and C. Marchioli for WG3, no WG2 meeting was held due to scarce attendance of WG2 participants) presented to the participants an update on the status of the WG activities related to the Knowledge Base and to the selected test case problems. These activities were discussed in parallel WG meetings held the day before the MC meeting. More details are provided in the WG meeting minutes downloadable from the Action website (<http://www.fp1005.cism.it>).

### 6. Action planning

The Chair updated the MC about the final claims of the Action budget for the first GP (see slide 11 of Annex 3). The Chair also presented a preliminary budget plan for the second GP, based on the allocated budget of 112,700€ for 16 Parties. The budget allocated for STSM is 20% of the total scientific expenditure.

### 7. Short Term Scientific Missions (STSM)

The STSM Coordinator (D. Asendrych) reported in the status of STSMs up to the meeting date (presentation is found in Annex 4). The following STSM applications have been submitted and accepted during calls I, II, and III of the first Grant Period (GP):

STSM #	STSM Grantee	Affiliation	Host Institution	Period	Grant [€]	Status
9129	<b>Carla Cotas ESR</b>	Coimbra University, Portugal	University of Częstochowa, Poland	15.01.2012 15.03-2012	1661	Completed
9164	<b>Grzegorz Kondora ESR</b>	University of Częstochowa, Poland	VTT, Finland	22.01.2012 08.02.2012	1200	Completed
9464	<b>Afshin Abbasi Hoseini ESR</b>	NTNU, Trondheim, Norway	KTH, Sweden	06.02.2012 06.05.2012	2500	Completed
10296	<b>Sergio Chibbaro</b>	University P.M. Curie, Paris, France	University of Udine, Italy	24.06.2012 30.06.2012	650	Completed

10336	<b>Michael Reeks</b>	University of Newcastle, UK	University of Udine, Italy	16.06.2012 30.06.2012	920	Completed
					<b>Σ 6931</b>	

60% of STSM beneficiaries are ESRs (3/5), 20% are females (1/5).

The following STSM applications have been submitted and accepted during the second GP:

STSM #	STSM Grantee	Affiliation	Host Institution	Period	Grant [€]	Status
11261	<b>Cristian Marchioli</b>	University of Udine, Italy	NTNU Trondheim, Norway	16.07.2012 11.08.2012	1900	Completed
11272	<b>Sergio Chibbaro</b>	University P.M. Curie, Paris, France	University of Udine, Italy	16.07.2012 13.08.2012	2100	Completed
11290	<b>Michael Reeks</b>	University of Newcastle, UK	University of Udine, Italy	23.07.2012 11.08.2012	1400	Completed
11517	<b>Francesco Picano ESR</b>	KTH Stockholm, Sweden	TU Eindhoven, Netherlands	01.10.2012 11.11.2012	1950	Ongoing
11624	<b>Sanna Haavisto ESR</b>	VTT, Finland	UC Davis (CA), USA	12.01.2013 09.02.2013	2492	Approved
11625	<b>Juha Salmela ESR</b>	VTT, Finland	UC Davis (CA), USA	12.01.2013 26.01.2013	1596	Approved
					<b>Σ 11 438</b>	

50% of STSM beneficiaries are ESRs (3/6), 17% are females (1/6).

## 8. Training Schools

### 8.1 TS 2012 on “Experimental methods for fiber suspension flows”

The Chair reported the MC on the TS held at KTH and VTT 18-21 June 2012.

- Trainers: Bob Powell (UC Davis), Johan Wiklund (SIK - Swedish Institute for Food and Biotechnology), Markko Myllys (University of Jyväskylä), Janne Lauri (University of Oulu).
- COST trainees:  
Afshin Abbasi Hoseini (NO) afshin.abbasi-hoseini@ntnu.no  
Marina Campolo (IT) marina.campolo@uniud.it  
Alessandro Capone (IT) alessandro.capone@uniud.it  
Carla Cotas (PT) carlacotas@gmail.com  
Axel Ekman (FI) axel.ekman@jyu.fi  
Sanna Haavisto (FI) sanna.haavisto@vtt.fi  
Ramin Imani Jajarmi (SE) ramim655@student.liu.se

- |                 |   |
|-----------------|---|
| Michail Michail | (SE) <a href="mailto:michail@mech.kth.se">michail@mech.kth.se</a>           |
| Arttu Miettinen | (FI) <a href="mailto:arttu.i.miettinen@jyu.fi">arttu.i.miettinen@jyu.fi</a> |
| Tomas Rosen     | (SE) <a href="mailto:rosen@mech.kth.se">rosen@mech.kth.se</a>               |
| Juha Salmela    | (FI) <a href="mailto:juha.salmela@vtt.fi">juha.salmela@vtt.fi</a>           |
| Pasi Selenius   | (FI) <a href="mailto:pasi.selenius@vtt.fi">pasi.selenius@vtt.fi</a>         |
| Rui Silva       | (PT) <a href="mailto:ruiccsilva@yahoo.com">ruiccsilva@yahoo.com</a>         |
- Non-COST trainees:
 

Abbas Nikbakht	(CA) <a href="mailto:abbas.nikbakht@gmail.com">abbas.nikbakht@gmail.com</a>
Jordan Mackenzie	(CA) <a href="mailto:jordan.mackenzie13@gmail.com">jordan.mackenzie13@gmail.com</a>
Shima Parsa	(USA) wesleyan <a href="mailto:s.parsa@wesleyan.edu">s.parsa@wesleyan.edu</a>
  - TS webpage: [http://www.fp1005.cism.it/pages/FP1005\\_ts2012exp.html](http://www.fp1005.cism.it/pages/FP1005_ts2012exp.html)

## 8.2 TS 2013 on “Non-spherical particles and aggregates in fluid flows”

The Chairman updated the MC on the status of the TS:

- The TS will be organized jointly with COST Action MP0806 “Particles in turbulence” and will be held at the International Centre of Mechanical Sciences (CISM) in Udine (Italy).
- Because it will be a joint event, a large number of participants (30/40) is expected.
- Dates: June 17-21, 2013
- Lecturers:
  - From Action FP1005: C. Marchioli, F. Lundell, B. van Wachem
  - From Action MP0806: F. Toschi (TUE), M. Vanni (PoliTO), B. Mehlig (GU)
  - Experts: E. Shaqfeh (Stanford), E. Climent (IMFT), M. Sommerfeld (MLU)
- TS webpage: [http://www.fp1005.cism.it/pages/FP1005\\_ts2013cism.html](http://www.fp1005.cism.it/pages/FP1005_ts2013cism.html)

## 9. Dissemination

### 9.1 Publications

The Chair informed the MC about the current status of publications published in the frame of the Action. Up to the meeting date, there are 2 publications on international ISI journals and 3 Conference contributions. It is reminded to acknowledge the Action in all publications produced in the frame of the Action’s activities.

### 9.2 Annual report

The Chair informs the MC members that he will send a message requiring the information necessary to prepare the annual report that is due by the end of 2012.

### 9.3 Dissemination strategies

The following strategies to advertise the Action activities were and will be implemented:

- Contact Pulp & Paper Research Centers in Italy (Milan)
- Present the Action and its activities through the International Innovation Report (see Annx 5).
- Present the Action and its activities at the Symposium on “Rheology of nano and natural composites”, which will take place during the XVIth Int. Congress on Rheology (Lisbon, August 5-10, 2012). An abstract has been submitted and accepted for oral presentation.
- Present the Action and its activities at the Workshop on “Non-spherical particles and aggregates in turbulence”, (Lecce, June 6-9, 2012). The MC approved the Chair’s proposal to organize the Workshop jointly with COST Action MP0806.
- Organize a focus session on fiber suspension flows at 2013 APS-DFD Meeting (Pittsburgh, November 24-26, 2013). The Chair informed the MC that he will attend the Meeting anyway (and using personal funds: no cost will be charged to the Action’s budget) and that he will submit a proposal to the APS/DFD Program Committee.
- Advertise the Action’s activities (STSMs in particular) through web portals offering free dissemination services and useful information to international students and researchers. For Italy, this has already been done through web portal <http://www.welcomeoffice.fvg.it/>

### 9.4 Outreach activities

The Chair proposed to create a new Action’s Working Group “Knowledge Transfer” (WG4), with two specific tasks: (1) facilitate involvement of industrial participation in the Action’s activities and (2) disseminate the knowledge created by the Action within industry. The WG leader would

be Paul Krochak (SE), supported by deputy leader Bartek Stawicki (NL) and Nejc Zakrajsek (SI), all selected because they have everyday contacts with industrial practitioners (Bartek Stawicki, for instance, routinely interacts with almost all papermills and papermaker associations in the Netherlands).

The WG should exploit the existing infrastructure to make the Action's activities more accessible to papermakers at fora, meetings and conferences and look for involvement of centers like PTS, CTP, INGEDE as technical organisations. Such organizations should transfer the Action's knowledge (know-why, know-what, know-how) into solutions that can then be proposed to the industry. This is the main reason why organizations like PTS, CTP and Minety join the action at the first place (and of course networking).

The Chair also reported this comment made by Nejc Zakrajsek : "When I discuss about activities of this COST Action with colleagues from industry, I have the feeling that they do not know what I am talking about. I do not blame them, because same ideas, at least from WG3 which I belong to, are quite advanced. One of first things we could do is to collect successful cases (how simulations can help industry) and put it in the language that industry will understand: how can we help them to reduce costs at the same quality of the product or how to improve product properties at the same (or lower) costs.

The MC approved the proposal.

## 10. Request for new members

The Chair informed the MC that, since the last MC meeting (Brussels, 30 March 2012) no further COST country has joined the Action, and one COST country (Denmark) has joined the Action as COST Participant subject to MC permission and MoU acceptance.

The MC approves the request from Denmark.

## 11. Promotion of gender balance and of Early Stage Researchers (ESR)

The Chair informed the MC that the percentage of female participants is 14.6% (+0.6% with respect to the previous MC meeting), whereas the percentage of ESR is about 37% (-4%). The MC agrees that further efforts should be taken to increase the percentage of female participants aiming at 20%.

## 12. Non-COST country participations

The Chair informed the MC that the previously-approved applications of:

- SUNY College (USA), ref. Bandaru Ramarao
- Wesleyan University (USA), ref. Greg Voth

have been now completed.

## 13. Action website

### 13.1 Report on current state (C. Marchioli)

The Chair informed the MC that the Action's website is ([www.fp1005.cism.it](http://www.fp1005.cism.it)) now features a Knowledge Base section which serves as data repository from the test case calculations.

### 13.2 Discussion on further development and content

The Chair showed briefly the website's content. The website will be updated continuously with useful information such as publications, scientific achievements, job opportunities, etc. The Chair has confirmed the will to continue taking responsibility of managing the website for free.

## 14. AOB

### 14.1 Place and date of next meeting

The MC decided that the next meeting of the Action would be:

Date	Event	Location	Justification
06-08 March 2013	Joint MC-WG meeting/workshop	Chemical Engineering Dept. (Departamento de Engenharia Quimica), University of	Accessibility low cost of flights and hotels

Coimbra, Polo II, Rua  
Silvio Lima, Coimbra  
(Portugal)

The Meeting will be organized jointly with the 5<sup>th</sup> Workshop of ERCOFTAC Special Interest Group SIG43 "Fiber Suspension Flows". Scientific presentations from Action participants and SIG43 members will be given as part of the workshop.

The MC agrees to invite Bandaru Ramarao as keynote speaker and chairman to the workshop.

The WGs will organize parallel meetings on Friday, March 08, 2013 in the afternoon (tentative meeting hours: 9:30 – 11:30).

The MC meeting will be held Friday, March 08, 2013 in the morning (tentative meeting hours: 11:45 – 13:00).

The MC decided that:

(1) participation fees for this meeting should not exceed € 600 for members of the Action (exceptions are only possible if well motivated)

(2) the accommodation reimbursement rate would be € 80/night.

#### **14.2 Tour de Table**

MC members presented present/future national coordination and communication activities.

These will be summarized in specific reports.

#### **15. Closing**

The MC meeting closed at 11:30.

Cristian Marchioli  
Chair  
COST Action FP1005

## ANNEXES

### Annex 1: Meeting Agenda

[http://www.fp1005.cism.it/downloads/FP1005\\_MC4\\_2012\\_10\\_24-26\\_Agenda.pdf](http://www.fp1005.cism.it/downloads/FP1005_MC4_2012_10_24-26_Agenda.pdf)

### Annex 2: Attendance List

NAME	STATUS	e-MAIL	NAME	STATUS	e-MAIL
Helge Andersson	MC Member Norway	helge.i.andersson@ntnu.no	Dariusz Asendrych	MC Member Poland	darek@imc.pcz.czest.pl
Fredrik Lundell	MC Member Sweden (vice-Chair)	Fredrik@mech.kth.se	Cristian Marchioli	MC Chair Italy	cristian.marchioli@uniud.it
Salaheddine Skali-Lami	MC Member France	Salaheddine.Skali-Lami@ensem.inpl-nancy.fr	Alfredo Soldati	MC Member Italy	soldati@uniud.it

### Annex 3: Presentation of Chair



### Annex 4: Presentation of STSM Coordinator

[http://www.fp1005.cism.it/downloads/SIG43\\_FP1005-PRESENTATIONS/STSM\\_guide.pdf](http://www.fp1005.cism.it/downloads/SIG43_FP1005-PRESENTATIONS/STSM_guide.pdf)



### Annex 5: International Innovation Report

