



COST
EUROPEAN COOPERATION
IN SCIENCE AND TECHNOLOGY

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Coimbra, 28th October 2016

Subject | Minutes of the Second Management Committee Meeting of COST Action TD1207 “Mathematical Optimization in the decision Support Systems for Efficient and Robust Energy Network”

*Departamento de Matemática da FCTUC, Coimbra (Portugal)
28th October 2016 – from 14.30 till 18.00*

1. Welcome to participants

Action Chair Thorsten Koch welcomes MC participants.

2. Verification of the presence of two-thirds of the Participating COST Countries or, if applicable, a quorum

The agenda is approved. The quorum is not reached. Since this is the last MC meeting before the final conference, no important decisions have to be taken. The meeting is attended by 16 representative Member States out of 28 participating COST countries.

3. Adoption of the agenda

The agenda is adopted no further points need to be discussed.

4. Approval of minutes and matters arising of last meeting

The minutes of the last MC meeting were already approved by circulating them after the last meeting was held.

5. Update from the Action Chair

a. Status of Action: start and end dates of Action, participating COST countries, participating NNC/ IPC institutions and Specific Organisations

The activities of the COST Action are proceeding without delays. Unfortunately, the proposed budget was not approved because the expenses of the previous years did not cover the allocated budget. For this reason, the budget available for the fourth year of the Action is lower comparing the previous years.

b. Short Term Scientific Missions (STSM): review of completed reports and new applications

Many STSMs have already been completed and approved. More funding can be dedicated to STSMs and the approval of additional STSM to be completed by the end of March 2016 is still possible. Papers have been written by people who have travelled for STSMs.

Selini Hadjidimitriou presents the status of the STSM. Six STMs have been completed for a total amount of expenses of 10.400€.

6. Update from the Grant Holder: Action budget status

Selini Hadjidimitriou let the participants know that the expenses of the Action for workshop and conferences are in line with the budget. There is only one training school to be organized in Novi Sad on March 2017, 4/5 STSMs and the final conference.

7. Update from the COST Association, if a representative is present

No COST Association representative is present at the meeting.

8. Monitoring of the Action

The execution of the Action is monitored by the COST officer. The COST officer is now Ms Estelle EMERIAU.

9. Implementation of COST policies on:

a. Promotion of gender balance and of Early Career Investigator (ECI)

Preference within COST Activities has been given to Early Career Investigator (ECI) and to females. Currently 33% of female participated in STSM held from April 2016 to September 2016; and 19% in the first training school that was held in Rome. The 50% of participants in STSM were ECI.

b. Inclusiveness and Excellence

The COST Action TD1207 includes 261 participants. The 16% are female. In the context of the COST Action, 44% of participants are ECI. The next STSMs should involve the participation of Early Career Investigator female.

10. Follow-up of MoU objectives

a. Report about the workshop “Modelling Smart Grids 2016”, September 21-23, Prague

Workshop in Prague was held on September 2016 during the Energy Days 2016. During the first day, 53 participants attended the meeting. The second day saw the participation of 62 researchers; the third day was dedicated to workgroups and sessions. The workshop in Prague was dedicated also to the discussion on the Wikipedia. A number of suggestions have been collected, on the wiki and on the contributions need to complete it.

The evaluation of the state of the wiki is presented by Antonio Frangioni who points out that a lot of material needs to be asked to the COST participants. Unformatted contribution can be sent to Selini Hadjidimitriou who will integrate them into the wiki.

b. Progress report on the wiki platform

The German Aerospace Agency has also given the availability to contribute to the Wiki. Christopher Helmberg underlines that during the Prague meeting it was decided that the name authors will be indicated at the end of the text reported into the Wiki. This will allow publicising the authors and their works within the energy community.

The weakest part of the Wiki is the Commodity section. The electricity has some contributions that have to be completed and integrated.

Thorsten Koch suggests that, during the Final conference, a talk is given on each cell of the Wiki so that presenters will prepare an abstract that will help to fill in the section of the Wiki.

Antonio Frangioni underlines that the wiki should be used to communicate to the people which is not working in the optimization field that the optimization community is available to work on that energy problem. The Wikipedia should be used to have more visibility. The references and survey papers should be indicated at the end of the text. It is therefore fine to have references with the same name of the author who has written the wiki article.

Selini will send the updated list of contributors and an updated list of missing contributions.



11. Scientific Planning

a. Progress on H2020 proposals

In Prague a long discussion was dedicated to H2020 proposals.

Basic research is moving to more applied research. It is very important to have industry participants. The topic of the proposal is energy systems models. The call is the LCE-05-2017 Tools and technologies for coordination and integration of the European energy system. The work for the proposal was focused on the identification of the companies that supply the tools. Thorsten let the participants know that Siemens and IBM agreed to participate in the consortium. This action followed the observation of Sandrine.

DLR may join the consortium. At the moment there are enough industries so that a first draft can be prepared. The participants will be asked to send their contributions and will be selected based on what they can do in the project.

The problem is the availability of data. Not all companies are available to supply data. The idea is to have a multi-scale, multilevel approach where several levels and dimensions are merged together. Some data will be available other not. The objective is to propose a tool that is able to deal will all data also considering that some data are not available.

There will be a selection of participants based on their intent to contribute.

Additionally, some professionals will be identified to write the proposal.

MC Representative of Belgium participated in the event of presentation of the call organized by the European Commission. The conference was intended for small companies that presented posters and looked for participants to take part in the proposal. The Commission is not very precise on the amount of funding they will provide. So the idea is to go a little above the budget it is possible to ask. The proposal will be focused on one topic of the call.

The problem now is to find a coordinator and to focus on the topic of the call.

- Planning tools for the European grid and end-to-end energy systems
- Tools for TSO, DSO coordination (not compatible with the first topic)
- Business models and exchange data and transparency.
- Exchange between networks
- Socio-economic aspects

Thorsten Koch underlines that this consortium could bring good credibility to the proposal.

12. Location and organization of the final conference

The final conference should be big in order to disseminate the result of the Action. However, the budget would allow only inviting the people that currently participates in the Action.

The other proposal is to have talks on each topic of the Wiki. This would allow having the text to complete the missing contribution.

Thorsten proposes to understand what the objective of the conference is. It is decided that the title of the conference will be the title of the Action.

The discussion focuses on the number of participants and the creation of a Scientific Committee.

There is a need for a location for a main conference and three seminar rooms. The conference will be organized as a scientific conference with parallel sessions.

There is the need to find a good location for that.

Local students should participate in the conference, especially PhD students. Selini Hadjidimitriou will ask whether it will be possible to host the conference in Reggio Emilia.

Decisions:

- The conference will host 150 participants
- Three parallel sessions (MINLP / Industry / Energy)
- 3 x 14 single truck plenary
- 9 x 45 parallel semi-plenary
- 3 (days) x 2 (sessions) x 3 (talks) x 3 (talks)
- Posters



- The place of the conference needs to be decided.
- The budget can be moved to increase the funds available for the local organizer.

13. Discussion of a final survey article and / or conference proceedings

A final paper will be prepared based on the material of the Wikipedia. Martin Mevissen is taking care of this.

14. Location and date of next meeting

The next MC meeting will take place during the final conference.

15. Closing

The meeting closes at 17.30.

