



Date: 01/09/2014

---

# Summary of the PACMAN Meeting

---

**Present: H el ene, Michele, Manfred, Ahmed, Stephan, Andrea, Claude, Vasileios, Solomon, Iordan, Natalia**

**Agenda:** <https://indico.cern.ch/event/328741/>

## *Subject*

### **1. Preparation of the Supervisory Board and CLIC Project meeting (26/09/2014)**

After discussion, the agenda proposed for the Supervisory Board is the following:

- Close session in the morning (partners + management team + Seamus + Iordan):
  - o Election of a new chairperson
  - o Status of recruitment, legal & financial aspects (Seamus)
  - o Project monitoring (H el ene)
  - o Status of training program (Nuria)
  - o Status of outreach & dissemination (Michele) with an emphasis on the PACMAN workshop
  - o AOB
- Visit of CTF3 and CLEX
- Lunch (Glass box)
- 14.00: Visit of ISR : magnetic measurements + nano-positioning system + romer arm (to represent a CMM)
- 15.00 Discussions in groups between partners/students/supervisors
  - o Group 1: subjects 1.1 + WP3
  - o Group 2: subjects 1.2 + 1.3
  - o Group 3: WP 2
  - o Group 4: WP 4
- 16.30 Summary
- 17.00 Drink

Iordan will be the students representative during the close session of the Supervisory Board.



Funded by  
the European Union

The Indico page, as well as the room bookings will be upgraded by Alexandra.

During the next CLIC Project Meeting (26/09 morning), a small session (3 talks) will be dedicated to the PACMAN project. This will be a very good opportunity for the students who were at IMEKO to present their talk in front of the CLIC collaboration, i.e.: Silvia, Domenico and Giordana.

## 2. Outreach

Michele in his Excel file has defined “chair” students to coordinate outreach demos (presentations + mock-ups) concerning 3 fields: metrology, basics of EM, basics of mechanics precision. The outreach demos to be prepared will last between 20’ and 1h, and should be prepared for 3 schools levels, with an emphasis on kids between 8 and 11 years old. Next week, Michele, Nuria and Helene will give examples of demos.

Next outreach event: nuit de la science, at FNAC in Geneva (26/09)

## 3. Questions from Jordan

Jordan has interviewed students to go ahead with the integration and shows first results and associated questions.

Some comments:

- The impedance matching is missing
- The wire could be either vertical or horizontal
- The BPM will be static with respect to the MB quadrupole, with no possibility of adjustment: the determination of the offset is the most important.
- Two possibilities to be implemented on the final test bench:
  - o Displacement of the wire
  - o Displacement of the MB quadrupole + BPM
- An hexapod or an equivalent system will allow the adjustment of the MB quadrupole according to 5DOF (the longitudinal position is not important).
- Once centres are determined, we need to determine the position of the stretched wire with respect to the external alignment fiducials
- No vacuum is needed
- Windows will allow a visual access to the wire: slots, holes to be defined. Their influence on RF will have to be checked. The diameter of the pipe will be 8 mm.

**Next meeting foreseen on Monday 08/09, room 112/R-028, with the following agendas**

- Outreach demos by Michele, H el ene and Nuria
- Dry-run presentation of Jordan.

Next meetings:

- 15/09: Definition of the intermediate goals, preparation of the SB and CLIC workshop
- 29/09: Feedback from IMEKO (Giordana, Silvia, Domenico). Introduction to subject 3.2 (Peter)

*Reported by H el ene*