



November 10, 2016 - "PACMAN* and CERN meet the HES-SO"

(Location: CERN BE Auditorium Meyrin 6-2-024)

08h00 -12h30: 1st Session: GENERAL Presentations:

- 08h00 : Welcome to the HES Visitors (CERN Reception - Building 33)
- 08h10 : Transfer (walking) to Auditorium 6-2-24
- 08h20 : Welcome & Introduction (*Michele Modena, CERN and PACMAN*)
- 08h30 : CERN and PACMAN* Project: Position of the project inside the Marie-Curie EC Program and CERN activities. PACMAN specific industrial technological domain and community (*H. Mainaud-Durand, CERN and PACMAN*)
- 08h45 : Presentation of HES-SO and its position in the scientific and technical domain and labor market (*Gilles Triscone, HES-SO*)
- 09h00 : Presentation of CERN employment possibilities (*Anne Capodici CERN-HR*)
- 09h15 : Coffee break
- 09h30 : Future challenges for CERN and HEP towards future Linear and Circular Colliders projects: "Why CERN and HEP need skilled engineers?" (*Frederick Bordry, CERN-DG*)
- 10h00 : Project presentations (20 min each) by HES-SO to PACMAN and CERN
- Augmented Reality in the Operating Room, *Dr Stéphane Bourquin HES-SO*
 - Clean Water Monitoring, *Prof Nicola Giandomenico HES-SO*
 - Color coding for Brillouin distributed fiber sensors, *Dr Yves Salvadé HES-SO*
 - Interferometry microscope, *Dr Marc Jobin HES-SO*
 - Clean City, *Dr Gilles Triscone HES-SO*

12h00-13h30: Working lunch (sponsored by METROLAB and HES-SO) Main Bld. Mezzanine (500/1-201)

13h30 - 17h30: 2nd Session: PACMAN Presentations (20 min each):

- 13h45 : Technical challenges and research examples of PACMAN:
- High Precision Metrology, *Claude Sanz, PACMAN*
 - High Precision Mechanics, *David Tshilumba, PACMAN*
 - Electro-Magnetism applications in the Accelerator domain, *Natalia Galindo, PACMAN*
- 14h45 : Organization of the visits and visits sites brief description (*Michele Modena*)

15h00-17h30: Visits:

Visits (in parallel groups) to:

- Magnetic Measurement Laboratory
- Long Magnet Facility
- (CLIC 2 Beams Modules)
- CLIC exposition at CTF3
- Synchrotron
- Microcosm, Globe and Atlas

17h30 : End of the event - departure of Visitors. (Building 33)



* EC Marie-Curie Innovative Doctoral Program PACMAN stays for: *Particle Accelerator Components Metrology and Alignment to the Nanometre scale*. See at <http://pacman.web.cern.ch/>

PACMAN/CERN resources for visits:

Michele: on the bus

Nuria: at CTF3 showroom

Domenico, Giordana, Silvia,

Jordan: at I8/MM Lab

(Helene at 2 Beam Modules in case)

Guides with each Group:

GroupA (GA): Claude

GroupB (GB): David

GroupC (GC): Natalia

GroupD (GD): Tommaso

- Some supervisor should be present in I8 (ex. Stephan, Marco, Kurt, Ahmed, ...)

- Rented bus for 20-30 places):
(sites are close: 3-5 min. max)

OTHER ??