

CERN - EPFL Workshop

Wednesday October 23, BM5202

“A research workshop to plan common projects between
Laboratories of the School of Engineering and CERN”

9h00 - 9h15	Ali Sayed, Dean of Engineering Holger Frauenrath, Associate Dean for industry and Innovation	Welcome and intro
9h15 - 9h45	M. Di Castro Section Leader of the Robotics team	Mechatronics, robotics and applications of artificial intelligence and machine learning in engineering problems at CERN: possible EPFL students opportunities
9h45- 10h15	Vincent Chareyre Section Leader of the Electrical Network Maintenance Section	UPS batteries on-line diagnostics needs at CERN: possible EPFL collaboration
10h15	Michele Ceriotti (EPFL)	NCCR Marvel
10h30	Coffee break and networking	
11h00 - 11h15	Mario Paolone	Distributed Electrical Systems Laboratory (DESL)
11h15 - 11h30	Giovanni Pizzi	IT technologies for data storage and open science
11h30 - 11h45	Volkan Cevher	Laboratory for Information and Inference Systems (LIONS)
11h45 - 12h00	Ali Sayed	Adaptive Systems Laboratory (ASL)
12h00 - 12h15	Konstantinos Chatzilygeroudis	Learning algorithms and systems Laboratory (LASA)
12h15 - 12h30	François Fleuret	L'IDIAP Laboratory
12h30 - 12h45	Auke Ijspeert	Biorobotics Laboratory (BioRob)
12h45 - 13h00	Véronique Michaud	Laboratory for Processing of Advanced Composites (LPAC)
13h00	Lunch break and networking	

Lab Tours

	Group 1	Group 2
14h00 – 14h45	DESL	NCCR Marvel
15h00 – 15h45	LASA	LPAC
16h00 – 16h45	BioRob	LIONS

17h00 Conclusions and farewell drink



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List of participants from CERN

- Roberto Losito (Head of the Engineering (EN) Department)

EN-SMM Group

- Alessandro Masi, Group Leader of the Survey, Mechatronics and Measurements (SMM) Group
- Mario Di Castro, Section Leader of the Mechatronics, Robotics and Operation (MRO) Section

EN-EL Group

- Nicolas Bellegarde, Group Leader of the Electrical Engineering (EL) Group
- Vincent Chareyre, Section Leader of the Electrical Network Maintenance Section

EN-STI Group

- Marco Calviani, Section Leader of the Targets, Collimators and Dumps Section
- Sebastian Rothe, member of the Radioactive Beam Sources Section

EP-CMG Group (CMS Experiment)

- Paris Sphicas, Section Leader of the Online Selection Section of the CMS Experiment at the LHC.
- Maurizio Pierini, member of the CMS – Physics, Software and Computing Group

