

Introduction

J.-Ph. Tock EN-ACE GL

2024-12-05/06

- EN-ACE (05.12.204)
- Collaboration agreement (06.12.204)

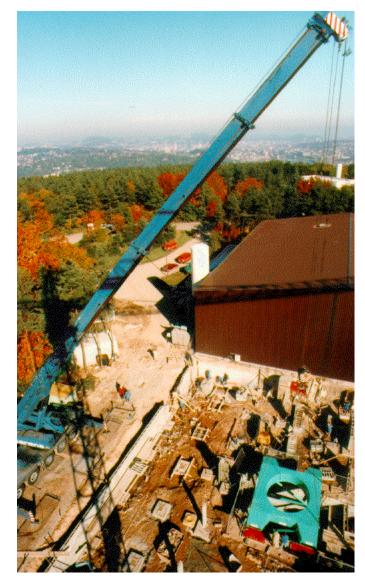


- ☐ Master degree in Aerospace Electromechanical Engineering
- ☐ Ingénieur Civil en Gestion Industrielle



- Ion beam figuring Facility Project Engineer
- * XMM optical test facility (FOCAL X) system engineer
- XMM optical modules ground test director









EN-ACE

ACE: Accelerator Coordination & Engineering Group

https://en.web.cern.ch/group/ace

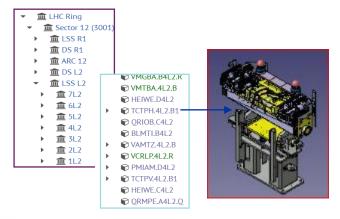
The group coordinates the activities for the interventions and changes to the LHC and its injectors. This includes configuration & layout management, integration studies and maintenance of the related 3D-CAD representations, organization and scheduling of programmed stops, management of the mid- and long-term schedule, worksites follow-up and management of the LHC sites, management of electrical lock-out in LHC.

The group is responsible for the ATS Quality Service, giving support to the stakeholders of the ATS.

The group also provides support and/or advices in its key competencies.



and operational safety coordination.







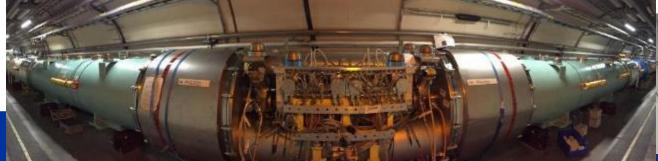




Group Leader Jean-Philippe Tock

Accelertor Quality Service

Quality Management Support	Home	Processes ▼	Roles -	Conventions ▼	Templates ▼ FAC
forthe					
Accelerators & Technology Se	tor				
			100		





Accelerators Coordination & Engineering Group (EN-ACE)

Mandate:

- □ Coordinate the activities for the interventions and changes to the LHC and its injectors.
- ☐ Is responsible for the Accelerators & Technology Sector Quality Service.
- ☐ Provides support and/or advices in its key competences to projects and groups.





Les opportunités

https://careers.cern/

PROFESSIONNEL.LE.S & JEUNES DIPLÔMÉ.E.S

STAFF MEMBERS

ORIGIN

Récemment diplômé.e.s

QUEST

Jeunes dîplômé.e.s avec une expérience

RESEARCH FELLOWS
Post-docs

ÉTUDIANT.E.S

TECHNICAL & ADMINISTRATIVE STUDENTS

DOCTORAL STUDENTS

SUMMER STUDENTS

SHORT-TERM INTERNS





Introduction

J.-Ph. Tock EN-ACE GL

2024-12-05/06

- EN-ACE (05.12.204)
- Collaboration agreement (06.12.204)



FRAMEWORK COLLABORATION AGREEMENT REFERENCE KN 5999/EN (THE "AGREEMENT")

BETWEEN: THE EUROPEAN ORGANIZATION FOR NUCLEAR RESEARCH ("CERN"), an Intergovernmental Organization having its seat at Geneva, Switzerland, duly represented by Katy Foraz, Head of the Engineering Department,

AND: THE UNIVERSITY OF LIÈGE ("ULIÈGE"), a public higher-education and research institution of Wallonia having its seat at Liège, Belgium, duly represented by Anne-Sophie Nyssen, Rector of the University of Liège,

The European Organization for Nuclear Research (CERN)

The University of Liège

Eaty Foras.

Katy Foras

Head of the Engineering Department

Anne-SBBTHE Nyssen
Rector of the University of Liège



This Agreement establishes the framework for collaboration between the Parties in particle physics and fundamental research and related areas, including engineering, machine learning applied to physics and experimental design, advanced mechanical systems / precision mechatronics, optical testing, numerical modelling of electromagnetic fields, sustainable geological engineering, vacuum and cryogenics, and in any other area of mutual interest. The implementation of this Agreement by the Parties shall be subject to the availability of resources at the Parties. The Parties shall use the results of their collaboration for non-military purposes only.

Each Party's contribution to a specific collaboration ("Project"), including, where applicable, the required resources, the duration of the activities and any deliverables, milestones, acceptance procedures and the management of the Project shall be set out in an Addendum to this Agreement. The Project shall be subject to the provisions of this Agreement, varied, where applicable, through the provisions of the Addendum.



Coordination

The Parties shall each nominate a technical co-ordinator, who together shall coordinate the overall execution of this Agreement, as well as a safety correspondent who will be responsible for safety matters. Their names and contact details are set out in <u>Annex 1</u>. It is understood that the Parties may decide to nominate a different technical co-ordinator for each specific Project, whose name and contact details shall be set out in the relevant Addendum.

ULiège Co-ordinator:

Frédéric Nguyen Vice-Dean for Research School of Engineering University of Liège Belgium

F.Nguyen@uliege.be

CERN Co-ordinator:

Jean-Philippe Tock

CERN-EN Department

CH-1211 Geneva 23

Switzerland

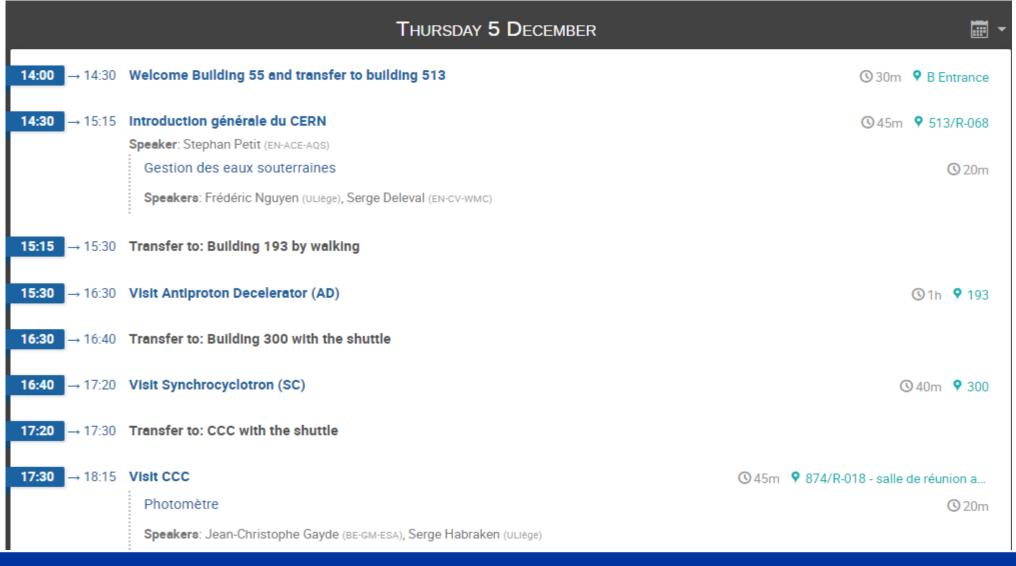
jean-philippe.tock@cern.ch



https://indico.cern.ch/event/1451248/

 \blacksquare 5 Dec 2024, 14:00 \rightarrow 6 Dec 2024, 17:20 Europe/Zurich

30/7-018 - Kjell Johnsen Auditorium (CERN)





ACE seminar #29 - ULiège @ CERN (5-6 December 202 ACE seminar #29 - ULiège @ CERN

https://indico.cern.ch/event/1451248/

FRIDAY 6 DECEMBER

- 30/7-018 Kjell Johnsen Auditorium (CERN)

09:30 → 09:40	Introduction Speaker: Jean-Philippe Tock (EN-ACE)	③ 10m	♥ 30/7-018 - Kjell Jot	nnsen Audit
09:40 → 10:10	Présentation Université de Liège Speaker: Frédéric Nguyen (ULIège)			⊙ 30m
10:10 → 10:25	CERN Selsmic Network & LHC Operation experience Speaker: Michael Guinchard (EN-MME-EDM)			③ 15m
10:25 → 10:50	Work covered by the Performance and Electrical QA section of the TE-MPE group, focussing on SC magnets, and quench protection (LTS and HTS) Speaker: Julien Dular (TE-MPE-PE)	FEM, tra	nslent behavlour of	③ 25m
10:50 → 11:15	Numerical modeling of superconducting systems Speakers: Benoît Vanderheyden (ULIège), Christophe Geuzaine (ULIège)			⊙ 25m
11:15 → 11:40	Presentation by Controls and Beam Studies for protection focusing on simulation for machine Speakers: Cedric Hernalsteens (TE-MPE-CB), Delphine Domange (TE-MPE-CB)	protectio	n	③ 25m
11:40 → 12:00	Normal conducting magnet activities focusing on FCC-ee magnet design and development Speaker: Jeremie Bauche (TE-MSC-NCM)			③ 20m
12:00 → 13:45	Lunch Break		○ 1h 45m	♥ 30/7-001



13

ACE seminar #29 - ULiège @ CERN (5-6 December 202 ACE seminar #29 - ULiège @ CERN

https://indico.cern.ch/event/1451248/

FRIDAY 6 DECEMBER

■ 5 Dec 2024, 14:00 → 6 Dec 2024, 17:20 Europe/Zurich

30/7-018 - Kjell Johnsen Auditorium (CERN)

