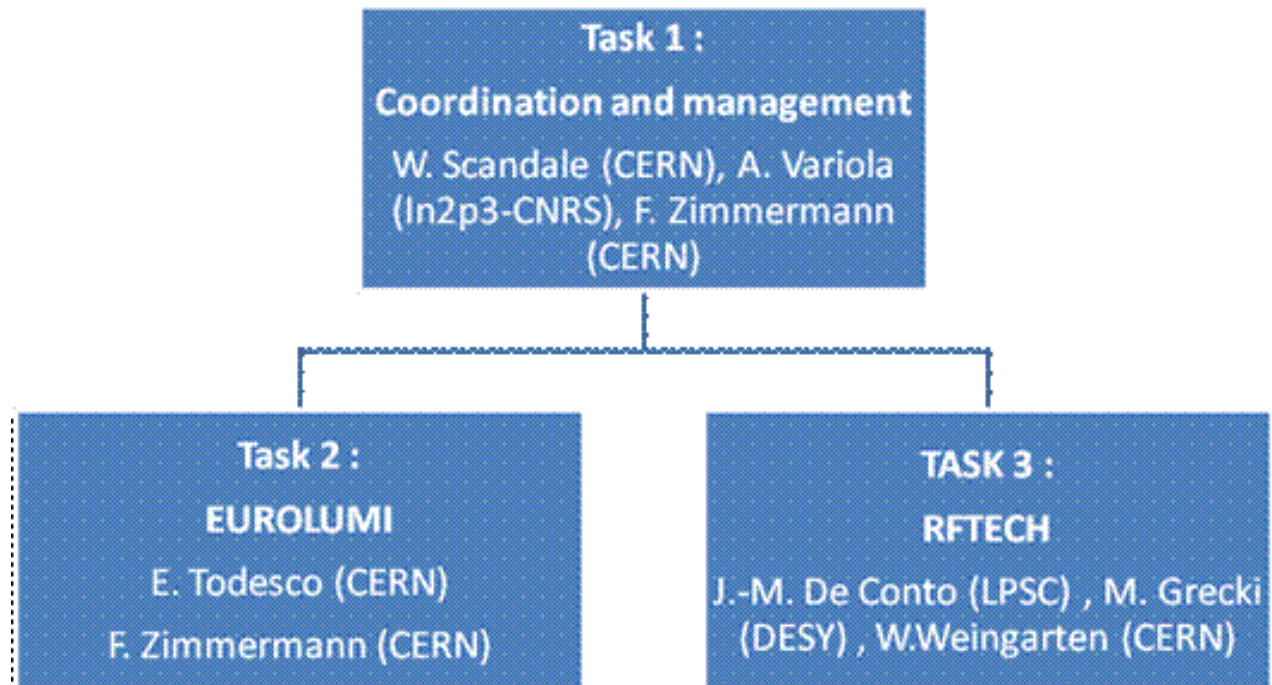
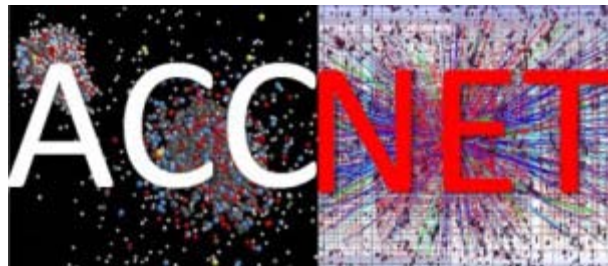


**1st annual RFTech meeting
DESY, Hamburg
29 March 2010**



RFTech – part of EuCARD (task 3 at WP4)



RFTech

The goals of RFTech are to provide a network for information exchange and close collaboration between the European, and worldwide, experts on accelerator RF systems.

The scientific objectives are

- the improvements of RF cavity design,
- superconducting RF (equipment for R&D and test of cavities and cryomodules)
- low-level and high-power RF systems
- costing tools

RFTech members

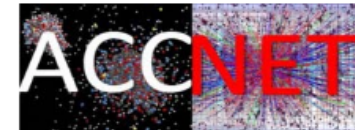
BNL (USA), CEA-DSM (F), CERN (INO), CI (UK),
CNRS-LPNHEP (F), CNRS-LPSC (F), DESY (D) ,
FNAL (USA), GSI (D), INFN –LNF (I), JLAB
(USA), KEK (J), LBNL (USA), IFJ PAN (P), SLAC
(USA), STFC (UK), THALES (F), TUL (P), UJF
(F), WUT (P)

ACCNET & RFTech webpage

<http://accnet.lal.in2p3.fr/>



Accelerator Science
Networks
EuroLumi and RFTech



Coordinated by [A. Variola](#) and

[F. Zimmermann](#)

AccNet is a Networking Activity (WP4) in the framework of [EuCARD](#)

(Coordinated Accelerator R&D in Europe)

Main Objectives	Network Structure	Activity Reports	WP4 Collaboration Workspace	Job Opportunities	Workshops	Literature and Presentations	Links
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Notice: this site is under construction. Please accept our apologies for its incompleteness and yet missing information.

AccNet is composed of two sub tasks

[EuroLumi](#)

[RFTech](#)

Hot News

17-18 December 2009

2-4 February 2010

spring 2010

spring or fall 2010

[Working meeting on proton driven plasma acceleration PPA09](#) at CERN - **NEW!**

AccNet Co-Sponsored Workshop on "Physics for Health in Europe", CERN - **NEW!**

topical workshop on plasma acceleration - **NEW!**

AccNet-EuroLumi workshop on LHC upgrade paths - **NEW!**

AccNet Articles in EuCARD Newsletter no 2 (September 2009):

[Start by probing the crab cavities](#)

[Breaking news for Proton "Surfatrons"](#)

09:00->09:15 **Opening, general information about RFTech activities** (Convener: Mariusz Grecki (DESY))

09:15->10:00 **RF Cavity Design** (Convener: Mariusz Grecki (DESY))

09:15 Overview of SPIRAL2 couplers (20)

Jean Marie De Conto (LPSC)

09:35 Research into 704 MHz SC cavities at Royal Holloway (20)   )

Stephen Molloy (RHUL)

10:00 Coffee Break

10:20->11:10 **SRF test infrastructures** (Convener: Dariusz Makowski (Tech. Univ. of Lodz, DMCS))

10:20 9mA experiment at FLASH (20)

Siegfried Schreiber (DESY)


10:50 Planned Test Activities for ESS (20)

Karin Rathsmann (ESS)

11:10->12:20 **Low-level and high-power RF systems** (Convener: Wolfgang Weingarten (CERN))

11:10 LLRF control, with emphasis on the LHC (20)

Philippe Baudrenghien (CERN)

11:40 xTCA for Instrumentation (20)  )


Tomasz Jezynski (DESY)

12:00 High reliability digital systems - hardware and software support (20)

Dariusz Makowski (TUL)

12:30 Lunch Break (DESY Bistro, Building 9a)

14:30->15:40 **Superconducting (SC) RF** (Convener: Jean Marie De Conto (LPSC))

14:30 HIE-Isolde cavity and test cryostat (20)   )

Wolfgang Weingarten (CERN)

14:50 Development of srf test stand (20)

Ralf Eichhorn (TU-Darmstadt)

15:10 LHC Crab Cavities (20)

Frank Zimmermann (CERN)

15:40 Coffee Break

16:00->16:45 **Costing tools** (Convener: Mariusz Grecki (DESY))

Description:

Round table discussion on cost estimation for RF systems

16:00 Application of SysML to LLRF system design (20)   )

Mariusz Grecki (DESY)

16:45->17:30 **Is there a need for a 'European Infrastructure for R&D and Test of SRF cavities and cryomodules?**

(Convener: Wolfgang Weingarten (CERN))

Description:

Round discussion with introductory talk

16:45 Introductory talk (15)   )

Wolfgang Weingarten (CERN)

17:30->17:45 **Conclusion and future plans, closing** (Convener: Jean-Marie De Conto (CNRS))

19:00->21:00 **Workshop Dinner** (Location: BLOCKHOUSE, Waitzstr. 1, Othmarschen)