

1981-1986 – Nuclear Engineering at University of Bologna

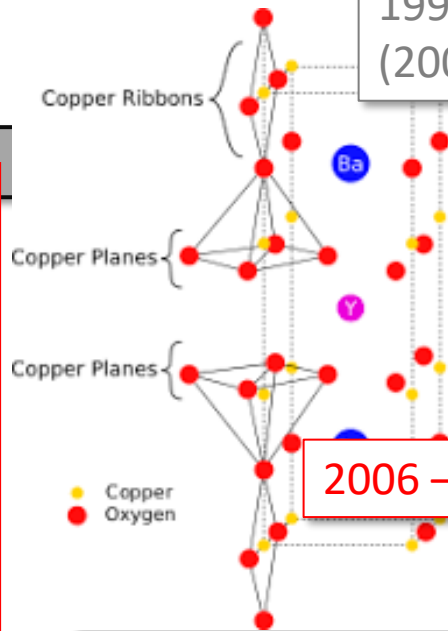
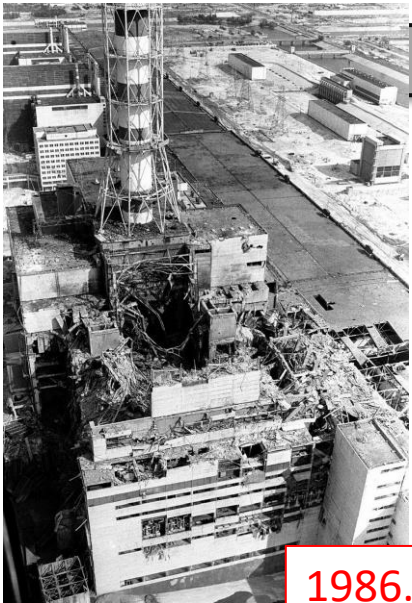
1986-1990 – EU Doctoral Grant at the NET Team

1990-1995 – Researcher at La Metalli Industriali (LMI)

1995-present – CERN: tests and measurements of superconducting magnets (2008-2009), superconductors (2008-2010)

accelerator operation (2010-2021), R&D (2021-...)

Luca Bottura



September 2008 – LHC interconnect failure and ensuing incident

August 2008 – join team in charge of LHC magnet performance evaluation

2006 – LMI shuts operation

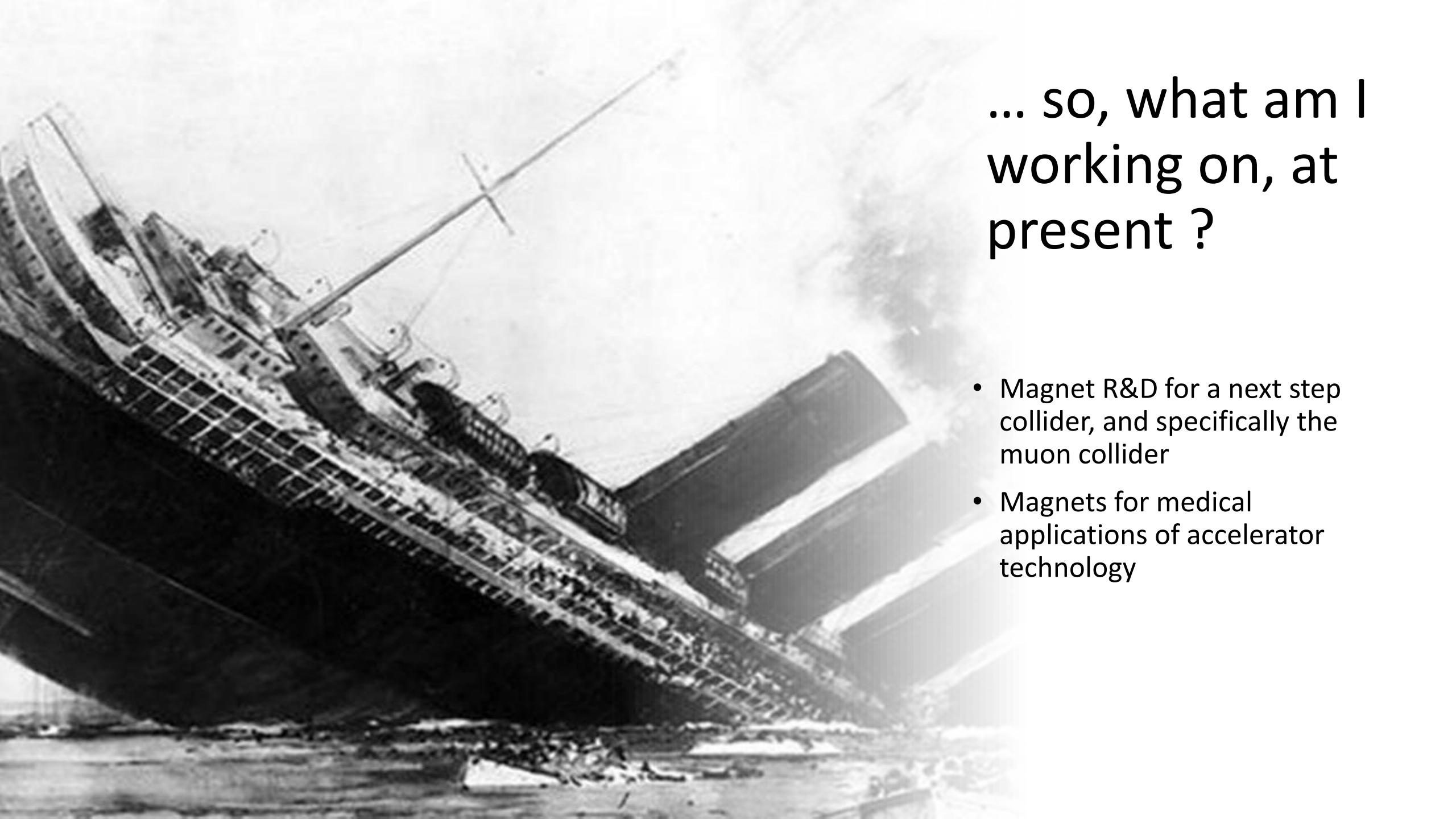
2009 – ALSTOM shuts operation

thesis on quench in low-temperature superconducting (LTS) coils for fusion

1986...1987 – Several classes of high temperature superconductors (HTS) are discovered

April 1986 – Chernobyl nuclear power plant explodes, Italy shuts down its national program on nuclear energy

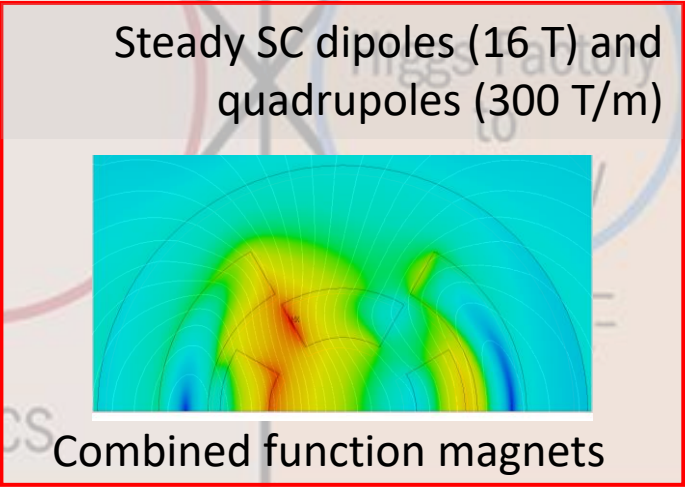
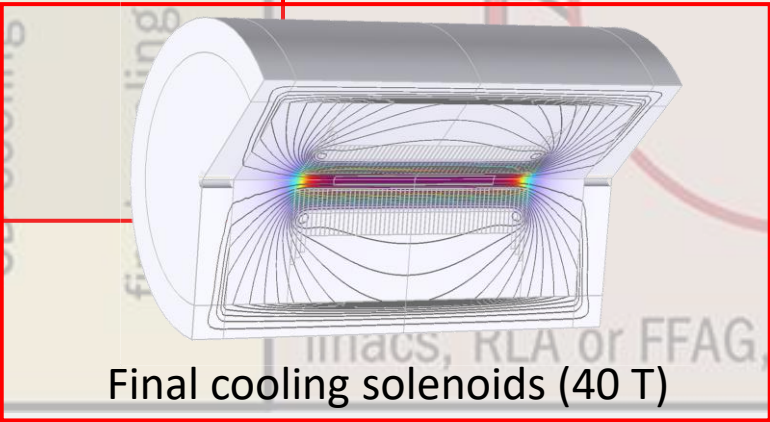
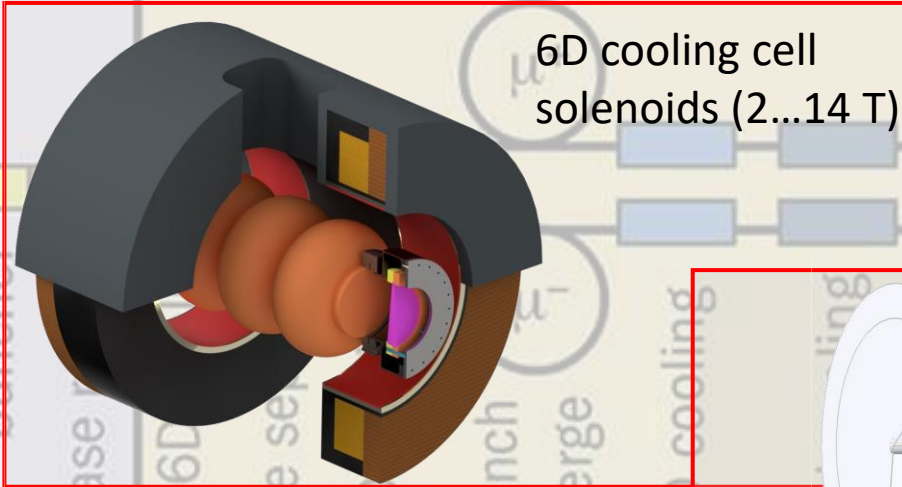
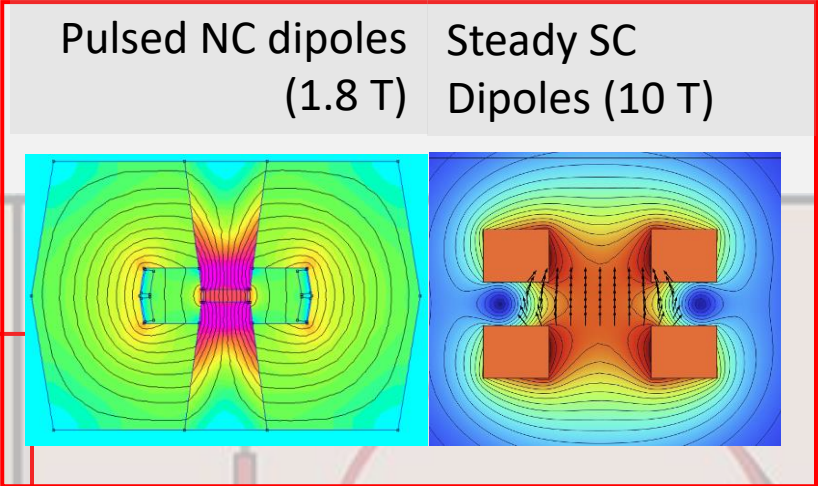
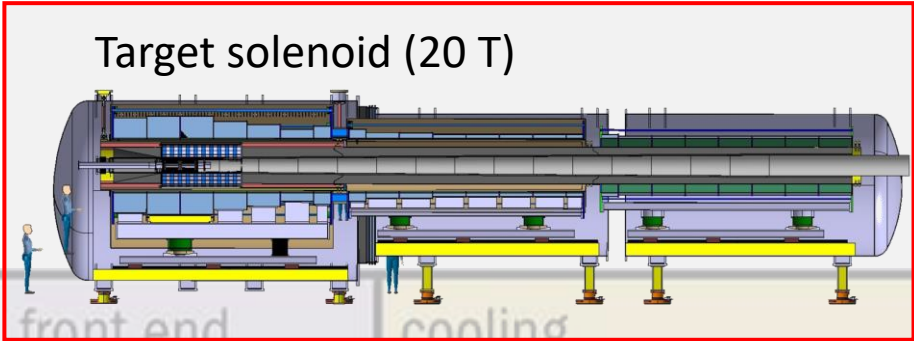
February 1986 – Master thesis on finite element study of dynamics of a fuel element explosion in a fast reactor



... so, what am I working on, at present ?

- Magnet R&D for a next step collider, and specifically the muon collider
- Magnets for medical applications of accelerator technology

Muon Collider Magnets



These are truly **frontier technology realizations**, the most challenging and promising you can imagine in our field !