

Avviso di Seminario



Vacuum technology at CERN for the LHC and future colliders

by

Ing. Paolo Chiggiato

Mechanical design and development for vacuum systems in high energy particle accelerators

by

Dr. Cédric Garion

Giovedì 30 giugno dalle 9:00 alle 10:30

presso l'aula seminari del

DIPARTIMENTO DI INGEGNERIA MECCANICA, ENERGETICA E GESTIONALE

Bio sketch of Paolo Chiggiato – Paolo Chiggiato is the Head of the Vacuum, Surfaces and Coating (VSC) group in the Technology department of CERN, the European Organization for Nuclear Research. He received a Laurea degree in nuclear engineering at Politecnico di Milano in 1990. His technological interests encompass material technology for ultra-high vacuum application, capture pumping, extremely low pressure measurement, chemical surface treatments and thin film coating, and interaction of particles with solid surfaces. He is involved in successful technology transfer projects to the Industry and academic training on vacuum technology at all levels.

Bio sketch of Cédric Garion – Cédric Garion is the head of a section in charge of the design of vacuum systems in the vacuum, surfaces and coating group. He is graduated from the Ecole Normale Supérieure de Cachan in mechanical engineering sciences. He arrived at CERN in 2000 as a PhD student. His PhD thesis was entitled: “Material and structural mechanical modelling and reliability of thin-walled bellows at cryogenic temperatures. Application to LHC compensation system”. Then, he joined the vacuum group in 2008. He is now involved in the design of the vacuum systems for new projects and studies as well as the development of new technologies for ultra-high vacuum applications.

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