



Contribution ID: 62

Type: **Talk**

Oxygen deficiency at CERN: Hazards, risks & mitigation measures

Wednesday, 21 September 2016 15:20 (20 minutes)

Compressed and liquified gases are used at many places at CERN. If they are introduced to the atmosphere, they can present an oxygen deficiency hazard (ODH) and lead to reduced abilities, unconsciousness or even death. The CERN method for ODH risk assessments is done on a case-by-case basis as each situation is unique. It is crucial to make sure the personnel can evacuate safely in case of an ODH situation.

My talk will explain human reactions to reduced oxygen levels and I will give some practical examples on how one can assess and control the hazards from a possible oxygen deficient atmosphere. Some real accidents involving oxygen deficiency will also be mentioned.

Primary author: LINDELL, Gunnar (CERN)

Presenter: LINDELL, Gunnar (CERN)

Session Classification: Risk assessment

Track Classification: Cryogenic Safety