

**Title:** Introduction to Electronics

**Lecturer:** Mr Jorgen Christiansen

**Date and Times:**

- 29<sup>th</sup> July at 11:15
- 30<sup>th</sup> July at 11:15
- 31<sup>st</sup> July at 10:15

**Summary of the proposed talk:**

Front-end electronics for the readout of high energy physics experiments covering: Analog front-end interface to detectors. Readout architectures. Powering systems. Optical links for control, monitoring and data readout. Radiation tolerance problems and solutions. DAQ interfaces.

**Prerequisite knowledge and references:**

Basic electronics

**Biography-  
Brief CV:**

1986 Master of Science degree in electronics engineering from the Danish technical university Copenhagen

1986 System engineer in Scantest systems.

1989 Design of ASIC's for HEP application in the CERN micro electronics group.

1997 Electronics coordinator of LHCb

2007 Group leader of the electronics systems for experiments in CERN-PH