

Curriculum Vitae

Friedrich Szoncsó

Dipl.-Ing. Dr. techn.

CERN DGS-DI

CH-1211 Geneva 23
Switzerland

Mobile: +41 76 487 4030
Office address: CERN/DGS, CH-1211 Geneva 23
Home address: 349 Vie de l'Auge, F-01170 Chevry
E-mail: friedrich.szoncso@cern.ch
Home page: <http://szoncso.home.cern.ch>



PERSONAL DETAILS

Date of birth: 20 Jun 1954
Place of birth: Bad Aussee, Austria
Nationality: Austrian

EDUCATION AND PROFESSIONAL QUALIFICATIONS

Doctorate (Dr. techn., with distinction) (1986, University of Technology, Vienna)

Master of Science degree (Dipl.-Ing.) (1981)

Studies of electrical engineering at Graz University of Technology, Austria (1973 - 1981)

Baccalaureate (Reifeprüfung), (1972)

Grammar school (Gymnasium) Bad Ischl, Austria (Sep. 1970 - June 1978)

SCIENTIFIC CAREER

Founding member of CERN's CMS experiment (1990 until now), with contributions in the fields of Data Acquisition, Triggering, Electromagnetic Compatibility and Power Supply Engineering

Doctorate on Electromagnetic Compatibility (1986)

Responsible for calorimeter electronics at CERN's UA1 experiment (1985 - 1990)

CERN resident electronics engineer at CERN's UA1 experiment (1981)

AWARDS

Achievement Award for CMS Construction (2010)

Erich Schmid Prize (1991)

MAIN RESEARCH INTEREST

Electromagnetic Compatibility and Non-Ionising Radiation

Risk assessments, specializing on accelerators, physics experiments and large complex plants

Data conversion, processing and acquisition

Electronics and software development

LEADERSHIP AND MANAGEMENT POSITIONS

Various management functions at CERN (1998 – now)

Head of Data Acquisition in CERN Experiment RD5 (1990 - 1993)

Member and later Leader of the Austrian team on CERN experiment UA1 (1981 – 1993)
(Nobel prize 1984 to Prof. Rubbia, spokesman of the UA1 experiment)

TEACHING ACTIVITIES

CERN Technical Training on Electromagnetic Compatibility (regular course)

SCIENTIFIC CONSULTING

Consulting in Technical Safety and Risk Assessment

To the Head of CERN's HSE unit and the CERN DG

Member of the "NINE"

Elected scientific counselors to CERN's Director General

Consulting to Sister Laboratories (e.g. IRAM Grenoble, DESY Hamburg)

Technical Consulting, Risk Assessments

Several REVIEWS OF EXPERIMENTS

Experiment ZEUS at DESY, Hamburg

PUBLICATIONS

See separate list