

CURRICULUM VITAE

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Name: Ole Gunnar Dahlhaug
Year of birth: 1963
Private Status: Married to Nina Bostrøm Dahlhaug
Nationality: Norwegian
Position: Professor
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Education:

1979 - 1980 Technical college, Machinery and Mechanic, Trondheim, Norway.
 1980 - 1982 Technical college, Car Mechanic, Trondheim, Norway.
 1982 - 1983 Technical college, Airplane Mechanic, Royal Norwegian Air Force Technical College, Kjevik, Norway.
 1986 - 1990 Trondheim College of Engineering, Dep. of Mechanical Engineering, Trondheim, Norway
 1990 - 1992 University of California at Santa Barbara, Mechanical. Engineering
 1993 - 1997 Ph.D. program at the Norwegian University of Science and Technology, Department of Thermal Energy and Hydropower.
 1998 Was awarded the Doctor degree 28th January 1998

Certificates: Car Mechanics
 Airplane Mechanic (Gas turbines)

Experience:

1983 - 1986 The Royal Norwegian Air Force, Airplane Engineer
 1992 - 1993 Research Scientist at SINTEF Fluid Machinery, Turbine Laboratory
 1997 - 1999 Research Scientist at SINTEF Energy Research
 1999 - 2003 Associate Professor at the inst. of thermal energy and hydropower, NTNU
 2003 - 2004 Associate Professor at Kathmandu University, Nepal
 2003 - 2004 Research Scientist at Hydro Lab, Kathmandu, Nepal
 2004 - 2005 Associate Professor at the dept. of energy and process engineering, NTNU
 2005 - 2008 Professor at the department of energy and process engineering, NTNU
 2008 - 2010 CTO for ChapDrive as
 2008 - 2010 CTO for DynaVec as
 2010 - 2012 Professor at the department of energy and process engineering, NTNU
 2012 - 2013 Project engineer at SN-Power Peru.
 2013 - Present Professor at the department of energy and process engineering, NTNU

Main fields of competence:

- Mechanical equipment in Hydropower stations.
- Efficiency measurements of prototype pumps and turbines.
- Laboratory tests of pumps and turbines.
- Centrifugal Pump and reversible pump-turbines
- Francis and Pelton turbine design
- Sediment erosion in hydro turbines

- Fatigue loads in hydro turbines
- Maintenance of hydro turbines
- Wind and Tidal turbine design

Membership in academic and professional committees:

- Member of the International Association for Hydraulic Research, (IAHR).
- Member of the International Group for Hydraulic Efficiency Measurement, (IGHM).
- Member of the Norwegian Electro technical Committee, NEK, technical committee 4, NK-4, Hydro turbines. Member since 1997.
- Member of the Norwegian Electro technical Committee, NEK, techn. committee 114, NK-114, Marine energy - Wave, tidal and other water current converters. Member since 2010.
- Member of the International Electro technical Commission, IEC, Technical committee 4. Work Group 18, *Hydraulic machines – Determination of the prototype performance from model tests with consideration of scale effects, including the effect of surface roughness.*
- Member of the International Electro technical Commission, IEC, Technical committee 4. Work Group 29, *Hydraulic machines – Guide for Dealing With Abrasive Erosion in Water.*

Administrative experience:

- 1997 - 1999 Leader of the hydro turbine technology research group at SINTEF Energy Research
- 2001 - 2005 Board member for *Small Turbine Partner AS*
- 2004 - 2015 Board member for *Gauldal Consult AS*
- 2007 - 2010 Board member for *ChapDrive AS*
- 2007 - 2012 Board member for *DynaVec AS*
- 2012 - Board member for *Gauldal Renewable Invest AS*
- 2008 - 2010 CTO for *ChapDrive as*
- 2008 - 2010 CTO for *DynaVec as*
- 2014 - 2015 Manager of the Norwegian Center for Hydropower (www.nvks.no)
- 2016 - Member of the management team of the Norwegian Center for Hydropower Technology (www.ntnu.no/hydrocen)

Experience from founder groups:

- Small Turbine Partner as Established June 2000
- Gauldal Consult as Established December 2004
- ChapDrive as Established December 2006
- DynaVec as Established May 2007

Academic activities:

- More than 100 papers are published in international Journals and proceedings (see www.cristin.no)
- 12 patents has been approved
- Teach 4 different courses at NTNU (3 at MSc- and one at PhD-level)
- Supervised 13 PhD-students (Supervising 7 PhD-students and two PostDoctors at the moment)
- Supervised more than 100 MSc-student thesis work