

CURRICULUM VITAE – NIKLAS ANDERSSON

CONTACT- INFORMATION

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EDUCATION

- OCT 2005 **Ph.D. in Thermo and Fluid Dynamics**
Chalmers, Department of Applied Mechanics
Thesis title: *"A Study of Subsonic Turbulent Jets and Their Radiated Sound Using Large-Eddy Simulation"*
- OCT 2003 **Licentiate of Engineering in Thermo and Fluid Dynamics**
Chalmers, Department of Applied Mechanics
Thesis title: *"A Study of Mach 0.75 Jets and Their Radiated Sound Using Large-Eddy Simulation"*
- DEC 2000 **M.Sc. in Mechanical Engineering** *emphasis on Fluid Dynamics*
Chalmers, Mechanical Engineering
Master thesis title: *"Prediction of Combustion Driven Pressure Oscillations in a Turbofan Engine Afterburner"*

WORK EXPERIENCE

- FEB 2015 - **Chalmers**
Senior Lecturer
- Research with focus on simulation of compressible flows
 - Supervision
 - Teaching
 - SNIC Application Expert (CFD)
- JAN 2011 - JAN 2015 **Chalmers**
Doctor
- Research with focus on simulation of compressible flows
 - Supervision
 - Teaching
 - SNIC Application Expert (CFD)
- APR 2005 - **GKN Aerospace Engine Systems** (*former Volvo Aero Corporation*)
Aerodynamics engineer
- Specialist on code development and numerical methods for computational fluid dynamics

- Computational Engineering with emphasis on areodynamics and aeroacoustics
- JAN 2001 - OCT 2005 **Chalmers**
Ph.D. student
 - Development and evaluation of a numerical method for jet noise prediction (*the work was carried out within the European Framework Program projects JEAN and CoJeN*)
 - Teaching
- AUG 2000 - DEC 2000 **Volvo Aero Corporation**
Diploma worker
 - Evaluation of a method for prediction of thermoacoustic instabilities in an afterburner
 - Programming
- JUN 2000 - AUG 2000 **Volvo Aero Corporation**
Internship
 - Evaluation and analysis of engine test data
- JUN 1999 - AUG 1999 **Volvo Aero Corporation**
Internship
 - Develop and update technical specifications based on customer and regulatory requirements, and various general standards
- JUN 1998 - AUG 1998 **Volvo Aero Corporation**
Internship
 - Develop method for calculation of combustor wall temperature
 - Evaluation of combustor test data
- JUN 1997 - AUG 1997 **Volvo Aero Corporation**
Internship
 - Evaluation of test data
 - Fluid dynamics analysis

OTHER
QUALIFICATIONS

- JAN 2012 - SNIC (Swedish National Infrastructure for Computing) Application Expert - Computational Fluid Dynamics
- AUG 1995 - MAY 1996 Military service at I15, Borås

HONORS AND AWARDS

- The John Ericsson Medal - 2001** *"Awarded for outstanding scholarship for the degree of Master of Science in engineering"*
- The Allan Rebbling Scholarship - 2001** *"The Allan Rebbling scholarships is awarded to the student in the Mechanical Engineering program with the best academic performance in mathematics"*