Resume

Steffen Jebauer
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since 01.2006 — Ph.D. candidate at the
Department of Mechanics and Physics of Fluids
Institute of Fundamental Technological Research
Polish Academy of Sciences, Warsaw

Education

School education

07.1998 — Graduation with Abitur(A-level exams, university-entrance diploma) at the grammar school Gymnasium "Am Thie", Blankenburg, Germany

Study

Institution	Technical University of Dresden, Germany
Subject	**Mechanical Engineering**, beginning 10.1999
Specialisation	**Applied Mechanics/Flow Dynamics**
10.2003 – 06.2004	State Polytechnical University St. Petersburg, Russian Federation Chair "Strength of Materials"
Student projects:	
04.2001 – 10.2003	Flow field calculations of reacting fluids at the Institute of Thermodynamics and Building Equipment, TU Dresden; completion with the project "CFD-models of two burning chambers"
02.2005 – 09.2005	Student project "Mechanisms of mixing in micro-channels" using the Dissipative Particle Dynamics Method(DPD) at the Institute of Flow Dynamics, TU Dresden
11.2005 – 05.2006	Diploma thesis "Numerical modelling of cavitation" at ANSYS Germany GmbH, Otterfing(near München) and Institute of Flow Dynamics; defense and graduation in 09.2006 to MSc

Research interest

Numerical methods in fluid dynamics; mesoscopic modelling
Lab-on-chip devices
Experimental studies of colloids and other fluids in micro scale geometries

Internships

09.2002 – 03.2003	CAE department of engineering service provider for car safety EASi Engineering inc., Alzenau (near Frankfurt/Main)
11.2005 – 05.2006	Diploma thesis at ANSYS Germany GmbH, Otterfing; simulation of cavitating flows around hydrofoils using a two-phase-flow approach
08.2006	IAESTE internship in Banias Refinery Company, Banias, Syrian Arab Republic

Language knowledge

German - Native language
English
Russian
French
Polish

Interests

Bicycling, Badminton, Skiwalking, Swimming
Literature, Film, Foreign Languages