

ADVISOR, REFEREE AND TEACHING ACTIVITIES

SEARCH COMMITTEES FOR NEW PROFESSORS

ETH ZURICH	PROFESSOR OF GLACIOLOGY, 2001.
EPFL LAUSANNE	PROFESSOR OF STRUCTURAL MECHANICS, 2005-2006.
UNIVERSITY OF CYPRUS	PROMOTION TO ASSISTANT PROFESSOR, DEPARTMENT OF CIVIL AND ENVIRONMENTAL ENGINEERING, 2009.
ETH ZURICH	PROFESSOR OF CONSTRUCTION MATERIAL, 2009-2010.

PHD PROJECTS: REFEREE

DIPL.-ING. A.E. JOANNI, APRIL 2009	TITLE: OPTIMIZING DESIGN AND MAINTENANCE STRATEGIES FOR DETERIORATING STRUCTURES BASED ON THE THEORY OF RENEWAL PROCESSES. UNIVERSITY: TU MUNICH, GERMANY.
IR. S.N. JONKMAN, JUNE 2007	TITLE: LOSS OF LIFE ESTIMATION IN FLOOD RISK ASSESSMENT. UNIVERSITY: DELFT UNIVERSITY, THE NETHERLANDS.
DIPL.-ING. A. LENTZ, DECEMBER 2006	TITLE: ACCEPTABILITY OF CIVIL ENGINEERING DECISIONS INVOLVING HUMAN CONSEQUENCES. UNIVERSITY: TU MUNICH, GERMANY.
M. HALDIMANN, OCTOBER 2006	TITLE: FRACTURE STRENGTH OF STRUCTURAL GLASS ELEMENTS. UNIVERSITY: ICOM, EPFL LAUSANNE, SWITZERLAND.
M.S. DARMAWAN, FEBRUARY 2005	TITLE: SPATIAL TIME-DEPENDENT RELIABILITY ANALYSIS OF PRETENSIONED PRESTRESSED CONCRETE BRIDGE GIRDERS SUBJECT TO PITTING CORROSION. UNIVERSITY: UNIVERSITY OF NEWCASTLE, AUSTRALIA.
KIM VU, APRIL 2003	TITLE: PROBABILISTIC MODELLING OF DETERIORATION OF CONCRETE STRUCTURES. UNIVERSITY: UNIVERSITY OF NEWCASTLE, AUSTRALIA.
H.G. VOORTMANN, JANUARY 2003	TITLE: RISK BASED DESIGN OF LARGE SCALE FLOOD DEFENCE SYSTEMS. UNIVERSITY: DELFT UNIVERSITY, THE NETHERLANDS.
A. RADOJICIC, OCTOBER 2001	TITLE: TIME DEPENDENT PROBABILISTIC MODELS FOR PLANNING INVESTMENTS ON EXISTING STRUCTURES. UNIVERSITY: EPFL LAUSANNE, SWITZERLAND.
C. FRIER, FEBRUARY 2001	TITLE: STOCHASTIC FINITE ELEMENT METHOD FOR MATERIALS MODELLED BY NONLINEAR PLASTICITY THEORY. UNIVERSITY: AALBORG UNIVERSITY, DENMARK.

PHD PROJECTS: SUPERVISOR

GENERIC APPROACHES TO RISK BASED INSPECTION PLANNING FOR STEEL STRUCTURES	2000-2004	DANIEL STRAUB
<ul style="list-style-type: none"> ▪ ETH SILVER MEDAL FOR AN OUTSTANDING PHD THESIS ▪ RENÉ-HORNUNG MEDAL OF THE SWISS SOCIETY FOR NONDESTRUCTIVE TESTING (SGFZP) 		
APPLIED DECISION-MAKING IN CIVIL ENGINEERING	2000-2005	OLIVER KÜBLER
RELIABILITY OF TIMBER STRUCTURES	2001-2005	JOCHEN KÖHLER
CONDITION INDICATORS FOR THE ASSESSMENT OF LOCAL AND SPATIAL DETERIORATION OF CONCRETE STRUCTURES	2001-2008	VASILIKI MALIOKA FINALIZATION PHD, APRIL 2009

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PHD PROJECTS: SUPERVISOR

ISSUES OF SUSTAINABILITY IN ENGINEERING DECISION ANALYSIS	2005-2009	KAZUYOSHI NISHIJIMA
KONZEPTE ZUR INFORMIERTEN ENTSCHEIDUNGSFINDUNG IM BAUWESEN	2004-2009	MATTHIAS SCHUBERT
CONSTRUCTION AND APPLICATION OF BAYESIAN NETWORKS FOR ASSESSING EARTHQUAKE RISKS OF CITIES	2002-2008	YAHYA Y. BAYRAKTARLI FINALIZATION PHD IN DECEMBER 2009
RISK ASSESSMENT OF SNOW SUPPORTING STRUCTURES	SINCE 2006	EVA SABIOTE
PROBABILISTIC ANALYSIS OF LARGE-SCALE ENGINEERED SYSTEMS	SINCE 2006	JIANJUN QIN
DEVELOPMENT OF EFFICIENT SCHEMES FOR TIMBER MACHINE STRENGTH GRADING	SINCE 2007	MARKUS K. SANDOMEER
BAYESIAN FRAMEWORK FOR PROBABILISTIC MODELLING OF TYPHOON RISKS	SINCE 2007	MATHIAS GRAF
ASSESSMENT AND DETERMINATION OF ROBUSTNESS OF STRUCTURES	SINCE 2007	HARIKRISHNA NARASIMHAN
MONITORING BASED ASSESSMENT OF OFFSHORE WIND ENERGY CONVERTERS	SINCE 2007	SEBASTIAN THÖNS, EXTERNAL PHD STUDENT, COLL. WITH BAM, BERLIN, GERMANY
WIRTSCHAFTLICHE OPTIMIERUNG IM VORBEUGENDEN BRANDSCHUTZ	SINCE 2008	KATHARINA KRÄMER
REAL TIME DECISION SUPPORT IN THE FACE OF EVOLVING NATURAL HAZARDS	SINCE 2009	ANNETT ANDERS
DEVELOPMENT OF A METHOD FOR FIRE RISK ASSESSMENT IN RESIDENTIAL AND INDUSTRIAL BUILDINGS.	SINCE 2009	GIANLUCA DE SANCTIS

PHD PROJECTS: CO-ADVISOR

KAREL THOMA, 2000-2004	TITLE: SCHÄDIGUNGSMECHANISCHE MODELLE ZUM ERMÜDUNGSVERHALTEN VON TEILWEISE VORGESpanNTEM STAHLBETON. Co-ADVISOR TO: PROF. DR. P. MARTI, IBK, ETH ZÜRICH.
TROND MAAG, 2001-2004	TITLE: ZUR BRANDSICHERHEIT VON HOLZBAUTEN – EIN RISIKOBASIERTER ANSATZ ZUR PERSONENSICHERHEIT. Co-ADVISOR TO: PROF. DR. M. FONTANA, IBK, ETH ZÜRICH.
HEIDI UNGRICHT, 2001-2004	TITLE: WASSERHAUSHALT UND CHLORIDEINTRAG IN BETON – EINFLUSS DER EXPOSITION UND DER BETONZUSAMMENSETZUNG. ADVISORS: PROF. DR. M.H. FABER, PROF. EM. DR. H. BÖHNI, DR. F. HUNKELER.
SCOTT WALBRIDGE, 2003-2006	TITLE: A PROBABILISTIC STUDY OF FATIGUE IN POST-WELD TREATED TUBULAR BRIDGE STRUCTURES. Co-ADVISOR TO: PROF. DR. M. HIRT, ICOM, EPFL LAUSANNE.

ADVISOR, REFEREE AND TEACHING ACTIVITIES

PHD PROJECTS: Co-ADVISOR

- ADRIENNE GRÉT-REGAMY, 2002-2007
TITLE: SPATIALLY EXPLICIT VALUATION OF ECOSYSTEM SERVICES IN THE ALPS AS A SUPPORT TOOL FOR REGIONAL DECISION-MAKING.
Co-ADVISOR TO: PROF. DR. W. SCHMID, IRL, ETH ZURICH.
- MARKUS STEIGER, 2003-2009
TITLE: IT-GESTÜTZTES RISIKOMANAGEMENTMODELL FÜR TUNNELBAUPROJEKTE MIT HILFE VON BAYES'SCHEN NETZEN UND MONTE-CARLO-SIMULATIONEN.
Co-ADVISOR TO: PROF. DR. H.R. SCHALCHER, IBB, ETH ZURICH.

M.Sc. THESIS: SUPERVISOR

- 2009
TITLE: ZUSTANDBEWERTUNGEN VON WINDENERGIEANLAGEN DURCH MONITORING-DATEN.
STUDENT: G.-L. DE SANCTIS, ETH ZURICH.
ADVISOR: PROF. DR. M.H. FABER.
ASSISTANT: SEBASTIAN THÖNS.
AWARD: CULMANN FUND PRIZE
- 2009
TITLE: DIE BEURTEILUNG DER ZUVERLÄSSIGKEIT VON TALSPERRENEN.
STUDENT: M. RENGEL, ETH ZURICH.
ADVISOR: PROF. DR. M.H. FABER.
ASSISTANT: DR. J. KÖHLER.
- 2008
TITLE: BEST PRACTICE GUIDE - DESIGN OF SEAWATER SYSTEMS.
STUDENT: R.R. LÖHRER.
ADVISORS: PROF. DR. M.H. FABER, ETH ZURICH,
J. VEEN & J. DE WAAL, SHELL RESEARCH AND TECHNOLOGY CENTRE, NL
ASSISTANT: DR. J. KÖHLER.
AWARD: CULMANN FUND PRIZE
- 2007
TITLE: UNTERSUCHUNG DER ROBUSTHEIT VON BALKENBRÜCKEN MIT EXTERNER UND INTERNER VORSPANNUNG.
STUDENT: B. VON RADOWITZ, UNIVERSITÄT KARLSRUHE (TH), GERMANY.
ADVISORS: PROF. DR. L. STEMPNIEWSKI, UNIVERSITÄT KARLSRUHE (TH), GERMANY,
PROF. DR. M.H. FABER, ETH ZURICH.
ASSISTANT: M. SCHUBERT.
- 2007
TITLE: ERDBEBENRISIKOANALYSE FÜR ALBSTADT (D) MITTELS BAYES'SCHER NETZE.
STUDENT: R. CUSTER, ETH ZURICH.
ADVISOR: PROF. DR. M.H. FABER.
ASSISTANT: Y.Y. BAYRAKTARLI.
AWARD: CULMANN FUND PRIZE
- 2006
TITLE: ENTWICKLUNG EINES PROGRAMMS ZUR PROBABILISTISCHEN MODELLIERUNG VON STEINSCHLAGEREIGNISSEN.
STUDENT: C. ISLER, ETH ZURICH.
ADVISOR: PROF. DR. M.H. FABER.
ASSISTANT: M. SCHUBERT.
- 2003
TITLE: CONDITION INDICATORS IN INSPECTION AND MAINTENANCE PLANNING OF CONCRETE STRUCTURES.
STUDENT: R. WICKI, ETH ZURICH.
ADVISOR: PROF. DR. M.H. FABER.
ASSISTANT: V. MALIOKA.
AWARD: CULMANN FUND PRIZE
- 2003
TITLE: RISIKOBASIERTE INSPEKTIONSPLANUNG FÜR STAHLBRÜCKEN UNTER ERMÜDUNGSBEANSPRUCHUNG.
STUDENT: M. STADELMANN, ETH ZURICH.
ADVISOR: PROF. DR. M.H. FABER.
ASSISTANT: D. STRAUB.

ADVISOR, REFEREE AND TEACHING ACTIVITIES

M.Sc. THESIS: SUPERVISOR

- 2002
WINNER OF WILLI STUDER AWARD
MEDAL OF EXCELLENCE FOR
DIPLOMA THESIS
- TITLE: RELIABILITY BASED CODE CALIBRATION FOR THE NEW SWISS CODE FOR THE DESIGN OF STEEL STRUCTURES (SIA 263).
STUDENT: M. HALDIMANN, ETH ZURICH.
ADVISOR: PROF. DR. M.H. FABER.
ASSISTANT: O. KÜBLER.
- 2002
- TITLE: PROBABILISTIC MODELING OF DETERIORATION AND MAINTENANCE OF CONCRETE STRUCTURES USING STOCHASTIC FINITE ELEMENTS AND MC METHODS.
STUDENT: D. RUSCH, ETH ZURICH.
ADVISOR: PROF. DR. M.H. FABER.
ASSISTANT: D. STRAUB.
- 2002
- TITLE: LOAD CARRYING CAPACITY OF REINFORCED TIMBER COMPONENTS SUBJECT TO TENSILE LOADING.
STUDENT: L. MENGELT, ETH ZURICH.
ADVISORS: PROF. DR. M.H. FABER, PROF. DR. M. FONTANA.
ASSISTANTS: J. KÖHLER, A. MISCHLER.
- 2002
- TITLE: RELIABILITY BASED DESIGN OF ROCK-FALL BARRIERS.
STUDENT: A.P. ROTH, ETH ZURICH.
ADVISOR: PROF. DR. M.H. FABER.
ASSISTANT: J. KÖHLER.
- 2001
- TITLE: INSPECTION AND MAINTENANCE PLANNING OF CONCRETE STRUCTURES USING HALF-CELL POTENTIAL MEASUREMENTS.
STUDENT: A. LENTZ, ETH ZURICH.
ADVISOR: PROF. DR. M.H. FABER.
ASSISTANT: D. STRAUB.
- 2001
- TITLE: RISK BASED MAINTENANCE PLANNING USING CONDITION INDICATORS.
STUDENT: T. JOHNSEN, DANISH TECHNICAL UNIVERSITY, DENMARK.
ADVISORS: PROF. DR. M.H. FABER, ETH ZURICH IN COLL. WITH ASSOC. PROF. M. GEIKER, DANISH TECHNICAL UNIVERSITY, DENMARK.

M.Sc. THESIS: CO-ADVISOR

- 2007
- TITLE: UMBAU DES KRAFTWERKS CHAVONNE IM AOSTATAL.
STUDENT: R. LÜCHINGER, ETH ZURICH.
CO-ADVISOR TO: PROF. DR. H.E. MINOR, VAW, ETH ZURICH.
- 2006
- TITLE: ROUTENWAHL IM ÖV.
STUDENT: C. WEIS, ETH ZURICH.
CO-ADVISOR TO: PROF. DR. K. AXHAUSEN, IVT, ETH ZURICH.
- 2005
- TITLE: FESTE FAHRBAHN UND BAHNTECHNIK BEIM LÖTSCHBERG-BASISTUNNEL.
STUDENT: F. CHAPPUIS, ETH ZURICH.
CO-ADVISOR TO: PROF. DR. H.R. SCHALCHER, IBB, ETH ZURICH.
- 2001
- TITLE: VERHALTEN VON AUF SCHUB BEANSPRUCHTEN BSH-KLEBSTOFFFUGEN AN PRESSHOLZ MIT EINGEKLEBTEN GEWINDESTANGEN.
STUDENT: P. HILTI, ETH ZURICH.
CO-ADVISOR TO: PROF. DR. M. FONTANA, IBK, ETH ZURICH.

PROJECT THESIS (3RD SEMESTER M.Sc.)

- 2009
- TITLE: NEUBERECHNUNG DER JAPANISCHEN WINDLAST NORM.
STUDENTS: D. BURRI / C. CELIO, ETH ZURICH.
ADVISOR: PROF. DR. M.H. FABER.
ASSISTANT: M. GRAF.

ADVISOR, REFEREE AND TEACHING ACTIVITIES

PROJECT THESIS

(3RD SEMESTER M.Sc.)

- 2009 TITLE: EVALUATION OF STRUCTURAL ROBUSTNESS FOR STEEL FRAMED HIGH RISE BUILDINGS.
STUDENTS: I. DRYMONITOU / M. SCHAUWECKER, ETH ZÜRICH
ADVISOR: PROF. DR. M.H. FABER.
ASSISTANT: H. NARASIMHAN.
- 2008 TITLE: TAIFUNRISIKOABSCHÄTZUNG EINES GEBÄUDES UNTER BERÜCKSICHTIGUNG LOKALER EFFEKTE DURCH DAS UMGEBENDE TERRAIN.
STUDENT: G.-L. DE SANCTIS, ETH ZÜRICH.
ADVISOR: PROF. DR. M.H. FABER.
ASSISTANT: M. GRAF.
- 2008 TITLE: MASCHINELLE FESTIGKEITSSORTIERUNG VON SCHNITTHOLZ FÜR DEN TRAGENDEN EINSATZ.
STUDENT: A. SCHULER, ETH ZÜRICH.
ADVISOR: PROF. DR. M.H. FABER.
ASSISTANT: M.K. SANDOMEER.

BACHELOR PROJECTS

- 2009 TITLE: UNTERSUCHUNG VON MODELLEN ZUR BESTIMMUNG VON SCHNEEHÖHE UND SCHNEEDRUCK.
STUDENT: CH. STEINER, ETH ZÜRICH.
ADVISOR: PROF. DR. M.H. FABER.
ASSISTANT: E. SABIOTE.
- 2007 TITLE: BEURTEILUNG DER ROBUSTHEIT EINES HALLENTAGWERKES.
STUDENTS: G.-L. DE SANCTIS, M. SCHLOSSER, ETH ZÜRICH.
ADVISOR: PROF. DR. M.H. FABER.
ASSISTANT: DR. J. KÖHLER.
- 2005 TITLE: EINFLUSS VON LASTCHARAKTERISTIKA AUF DIE LANGZEITFESTIGKEIT VON HOLZBAUWERKEN.
STUDENT: C. WEIS, ETH ZÜRICH.
ADVISOR: PROF. DR. M.H. FABER.
ASSISTANT: J. KÖHLER.
- 2003 TITLE: STATISCHE BERECHNUNG UND ZUVERLÄSSIGKEITSANALYSE EINER STAHLHALLE.
STUDENTS: M. GÄTZI AND V. HELLER, ETH ZÜRICH.
ADVISOR: PROF. DR. M.H. FABER.
ASSISTANT: O. KÜBLER.
- 2001 TITLE: BRÜCKE ÜBER DIE SIHL – RISIKOBASIERTE UNTERHALTSPLANUNG
STUDENTS: A. GALMARINI, A. ROTH AND D. RUSCH, ETH ZÜRICH.
ADVISORS: PROF. DR. M.H. FABER, PROF. DR. M. FONTANA.
ASSISTANTS: D. STRAUB, S. BLÜMEL.

SEMESTER PROJECTS

- 2006 TITLE: ZERSTÖRUNGSFREIE PRÜFUNG VON BETONELEMENTEN UND ANSCHLIESSENDE AUSWERTUNG DER DATEN MIT STATISTISCHEN METHODEN.
STUDENT: 20 STUDENTS, 2ND SEMESTER, D-BAUG, ETH ZÜRICH.
ADVISOR: PROF. DR. M.H. FABER.
ASSISTANTS: V. MALIOKA, K. NISHIJIMA.

UNIVERSITY OF AALBORG, DENMARK 1990-1993

- 1993, PHD THESIS ON APPLICATION OF MODERN RELIABILITY METHODS WITH
SUPERVISOR CLASSICAL DECISION THEORY IN STRUCTURAL ENGINEERING.
- 1990, M.Sc. THESIS:
SUPERVISOR 1) THEORY OF NON-LINEAR FINITE ELEMENTS.
 2) BUCKLING OF LARGE DIAMETER CYLINDER SHELLS.

ADVISOR, REFEREE AND TEACHING ACTIVITIES

CAS "RISIKO & SICHERHEIT TECHNISCHER SYSTEME" ADVISOR FINAL THESIS

2002	TITLE: AUSWERTUNG UND INTERPRETATION DER SCHWEIZERISCHEN TODES- URSACHENSTATISTIK FÜR DIE JAHRE 1979 BIS 1999.
	STUDENT: LARS MÜLLI.
2005	TITLE: ANALYSE DER SICHERHEITSMASSNAHMEN GEMÄSS DER EU-RICHTLINIE 2004/54/EG "MINDESTANFORDERUNGEN AN DIE SICHERHEIT VON TUNNELN IM TRANSEUROPÄISCHEN STRASSENNETZ"..
	STUDENT: CHRISTOF NEUMANN.
2005	TITLE: RISIKOANALYSE MIT BAYES'SCHEN NETZEN IM TUNNELBAU.
	STUDENT: MARKUS STEIGER.

TEACHING ACTIVITIES

ETH ZURICH, SWITZERLAND

1) BASIC STUDIES

Name	Years	Level
STATISTICS AND PROBABILITY THEORY (LECTURES AND EXERCISES)	SINCE 2005	BACHELOR STUDIES IN CIVIL-, ENVIRONMENTAL- & GEOMATIC ENGINEERING AND PLANNING, 2 ND SEMESTER
RISK AND SAFETY IN CIVIL ENGINEERING (LECTURES)	SINCE 2006	MASTER STUDIES IN CIVIL-, ENVIRONMENTAL- & GEOMATIC ENGINEERING AND PLANNING, 7 TH SEMESTER
FINITE ELEMENTS I: LINEAR METHODS	2007-2009	MASTER STUDIES IN CIVIL-, ENVIRONMENTAL- & GEOMATIC ENGINEERING AND PLANNING, 8 TH SEMESTER
FINITE ELEMENTS II: NON-LINEAR METHODS	SINCE 2007	MASTER STUDIES IN CIVIL-, ENVIRONMENTAL- & GEOMATIC ENGINEERING AND PLANNING, 9 TH SEMESTER
STATISTIK UND WAHRSCHEINLICHKEIT (VORLESUNG UND ÜBUNGEN)	2003-2004	2 ND SEMESTER IN CIVIL-, ENVIRONMENTAL- & GEOMATIC ENGINEERING AND PLANNING
RISK AND SAFETY IN CIVIL ENGINEERING (LECTURES)	2002-2005	5 TH SEMESTER IN CIVIL-, ENVIRONMENTAL- & GEOMATIC ENGINEERING AND PLANNING
SICHERHEIT IM BAUWESEN (VORLESUNG)	2000-2002	6 TH SEMESTER IN CIVIL-, ENVIRONMENTAL- & GEOMATIC ENGINEERING AND PLANNING
OFFSHORE STRUCTURAL ENGINEERING	WS2001/02	9 TH SEMESTER IN CIVIL-, ENVIRONMENTAL- & GEOMATIC ENGINEERING AND PLANNING

ETH ZURICH, SWITZERLAND

2) PHD STUDIES

Name	Years	Level
BAYESIAN PROBABILISTIC NETWORKS IN ENGINEERING.	FALL 2009	PHD-SEMINAR, PROF. DR. MARC A. MAES IN COLL. WITH DR. K. NISHIJIMA
ASPECTS OF INTEGRAL RISK MANAGEMENT IN ENGINEERING.	FALL 2009	PHD-SEMINAR, GENERAL COURSE IN CIVIL ENGINEERING
PROBABILISTIC APPROACH TO NATURAL HAZARDS ASSESSMENT.	FALL 2008	PHD-SEMINAR, PROF. FABER IN COLL. WITH K. NISHIJIMA
THE PROBABILISTIC ANALYSIS OF SYSTEMS IN ENGINEERING.	FALL 2007	PHD-SEMINAR, PROF. FABER IN COLL. WITH K. NISHIJIMA, Y.Y. BAYRAKTARLI, J. QIN
THE FINITE ELEMENT METHOD AND THE ANALYSIS OF SYSTEMS WITH UNCERTAIN PROPERTIES.	WS2006/07	PHD-SEMINAR, PROF. FABER IN COLL. WITH DR. N. MOJSILOVIC

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ETH ZURICH, SWITZERLAND

2) PHD STUDIES

Name	Years	Level
EXCURSIONS OF RANDOM FIELDS.	WS2005/06	PHD-SEMINAR, PROF. FABER IN COLL. WITH ASS.PROF. JACK W. BAKER, STANFORD US
BAYESIAN PROBABILISTIC NETWORKS.	WS2004/05	PHD-SEMINAR
STOCHASTIC DYNAMICS.	WS2003/04	PHD-SEMINAR
BASICS OF STATISTICS AND RELIABILITY THEORY IN CIVIL ENGINEERING.	WS2000/01	PHD-SEMINAR

ETH ZURICH, SWITZERLAND

3) CONTINUING EDUCATION

Name	Years	Level
MODULES: STATISTICS AND PROBABILITY RISK ASSESSMENT CONSEQUENCE MODELING CASE STUDY	2009-2011	MAS ETH ZURICH IN „NATURAL HAZARDS MANAGEMENT“ SEPTEMBER 2009 – AUGUST 2011
MODUL G1: METHODEN DER SYSTEMORIENTIERTEN RISIKOANALYSE. MODUL V3: SICHERHEIT IN DER KONSTRUKTION. MODUL F: FALLSTUDIE	2008-2010	CAS ETH ZURICH: “RISIKO UND SICHERHEIT TECHNISCHER SYSTEME” G1: SEPTEMBER 17-19, 2008; OCTOBER 01-03, 2008. V3: MAY 13-15 AND 28-29, 2009.
MODUL G1 MODUL V3 MODUL F: FALLSTUDIE: TRANSPORT GEFÄHRLICHER GÜTER DURCH DIE SCHWEIZ.	2006-2007	WBZ ZERTIFIKATSLEHRGANG “RISIKO UND SICHERHEIT TECHNISCHER SYSTEME” G1: JANUARY 11-13 AND 25-27, 2006. V3: SEPTEMBER 7-8 AND 20-21, 2006. F: JUNE 13-15, 2007.
MODUL G1: METHODEN DER SYSTEMORIENTIERTEN RISIKOANALYSE. MODUL V3: ZUVERLÄSSIGKEIT IN DER KONSTRUKTION.	2003-2004	NACHDIPLOMKURS “RISIKO UND SICHERHEIT TECHNISCHER SYSTEME”
MODUL G2: METHODEN DER SYSTEMORIENTIERTEN RISIKOANALYSE. MODUL G4: WAHRSCHEINLICHKEITSRECHNUNG UND STATISTIK. MODUL V3: SICHERHEIT IN DER KONSTRUKTION.	2001-2002	NACHDIPLOMKURS “RISIKO UND SICHERHEIT TECHNISCHER SYSTEME”

UNIVERSITY OF AALBORG, DENMARK
1985-1989

Name	Years	Level
COURSE ON ELEMENTARY STATIC AND PLASTICITY THEORY.	1985-1989	M.Sc.
COURSE ON THEORY OF LINEAR FINITE ELEMENTS.	1985-1989	M.Sc.
COURSE ON THEORY OF NON-LINEAR FINITE ELEMENTS.	1985-1989	M.Sc.