CURRICULUM VITAE IN TABLE FORM

PERSONAL INFORMATION

Surname, Given Name:	Thiel, Christian Joachim
Birth:	21st June in 1975 (Crimmitschau)
Citizenship:	German
Degree:	"Doktor rerum naturalium"

SCHOOLING

1982 – 1988	Polytechnic Secondary School "Ernst Schneller" in Altenburg
1988 – 1990	Polytechnic Secondary School "Fritz Gaebler" in Gera
1990 – 1991	"Zabel-Gymnasium" (Grammar School) in Gera
1991 – 1994	"Friedrich-Schiller-Gymnasium" (Grammar School) in Gera
1994	A-Levels (German Abitur; Specialised Courses: Mathematics, Physics)

ALTERNATIVE CIVILIAN SERVICE

1994 – 1995 Municipal Hospital in Gera – Employment: Operating theatre and surgical ward

UNIVERSITY EDUCATION

1995 – 2000 Study of Geography at the Friedrich-Schiller-University Jena (Diploma)
Diploma in October 2000 (∅ 1.1)

Major Subject: Geography; Specialised courses: Geoinformatics and Physical Geography
Specialisation: Hydrologic Modelling and Geographic Informationsystems (GIS)

Minor Subjects: Ecology and Geology; Specialisation: Environment Protection, Landscape Ecology, Applied Geology and Hydrogeology

Student Research Project: *Delineation of representative parameters for the characterisation of the tree cover fraction at the two watersheds "Schmuecker Graben" and "Steinbach" aiming at hydrological modelling (Written in German)*

Diploma Thesis: *Comparative hydrological modelling of two watersheds with contradictory hydrodynamics (Zeulenroda, Thuringia & Mulargia, Sardinia) by means of the modelling system PRMS/MMS and integrative utilisation of Geographic Informationsystems and earth observation data (Written in German)*

ADDITIONAL SCHOOLING DURING UNIVERSITY EDUCATION

Certificate study in Informatics
Speech certificate "English for Geoscientists Stage II"
Speech education in French

PANEL FUNCTIONS ALONGSIDE THE UNIVERSITY EDUCATION

1996 – 1998	Function in Student Council of the Friedrich-Schiller University Jena (elected member)
1996 – 1998	Function in Student Representatives at the Institute of Geography (elected member)

INTERNSHIPS AND WORK EXPERIENCES ALONGSIDE THE UNIVERSITY

1996	Work Experiences at the Engineering Consultant "GEOINFORM", Gera (2 weeks)
1998	Work Experiences at the Engineering Consultant "GKW ING.", Gotha (6 weeks)
1999	Internship at the School of BIORESOURCES ENGINEERING AND ENVIRONMENTAL HYDROLOGY, Pietermaritzburg RSA (2 months)
1995 – 1999	Mathematics and Physics Tutor at SCHÜLERHILFE E.V. Gera
1995 – 2000	Mathematics, Physics and Geography Tutor at STUDIENKREIS Jena
1997 – 1998	Student Assistant at the Chair of Geoinformatics: Development of a map basis for the Thuringian Wordbook
1998 – 1999	Student Assistant at the Chair of Geoinformatics: Tutor for Statistics and Computer Cartography
1999 – 2000	Student Assistant in EU Project ARSGISIP: Hydrologic Modelling

CONFERRAL OF A DOCTORATE

2000 – 2004

Subject-matter:
Extraction of parameters with hydrologic relevance out of high resolution polarimetric L-band and interferometric X-band SAR data. (Written in German)

Day of public disputation: 14th July in 2004
Grade: *summa cum laude* (1.0)

Referees of the doctoral thesis:
Prof. Dr. V. Hochschild, University Tübingen
Prof. Dr. C. Schmullius, University Jena
Prof. Dr. G. Menz, University Bonn

PROFESSIONAL DEVELOPMENT

2000 – 2004	Graduation concomitant coordination of the earth observation project PHYMO at the Friedrich-Schiller-University Jena: Investigation of polarimetric and interferometric SAR data for the derivation of biophysical parameters (30 months)
2002	Project work at DKS: Acquisition and evaluation of the groundwater situation in the National Park Hainich: Hydrologic Systemanalysis (6 months)
2003 – 2004	Project work in EU Project IRON CURTAIN: Examination of Optical and SAR-data for landcover classification including GIS-Analysis (20 months)
2004	Project work in ESA Project TerraSAR-L: Utilisation of SAR-data for forest detection (6 months)
2004 – 2005	Project work in BMBF Project ENVILAND: Synergistic usage of optical and SAR-data for landcover classification (14 months)
2006 – 2007	Project work in ESA Project AQUIFER: Earth Observation in support for transboundary aquifer management
2006 – 2009	Project work in ESA Project GSE Forest Monitoring: Coordination of research and development task "Service Portfolio Evaluation"
2008 – Recent	Project work in JAXA Project Kyoto and Carbon Initiative – Retrieval of forest biomass from interferometric SAR data
2009 – Recent	Project work in DFG Project ParaPOL – Retrieval of forest biomass from polarimetric SAR data
2009 – 2012	Project work in BMBF Project ENVILAND II – Retrieval of forest biomass from synergistic usage of optical and SAR data
2010 – Recent	Project work in BMBF Project Influins – Integrierte Fluiddynamik in Sedimentbecken: Prozesse, Potenziale, Risiken: Applying PS Interferometry for deformation monitoring
2006 – Recent	Chair Assistant at Earth Observation Department of Friedrich-Schiller University Jena, Head of Radar Science and Applications section, Lecturing: Analogue and digital image analysis, geomethods and cartography, SAR polarimetry and interferometry, supervision of BSc, MSc, and PhD theses

LINGUISTIC PROFICIENCY

English: advanced knowledge
French: basic knowledge
Russian: basic knowledge

MISCELLANEOUS QUALIFICATIONS

Computer literacy

Digital Image Processing (ERDAS/Imagine, ENVI/IDL, PCI/Geomatica, eCognition, Adobe Photoshop etc.)
SAR Data Processing (Gamma, IDL, Nest, POLSARPRO, MapReady)
GIS (ArcView, ArcGIS, ArcInfo)
Hydrologic Modelling Systems (MMS/PRMS, ACRU)
Programming (IDL, Turbo Pascal, Prolog)
HTML-Programming
Spreadsheet Analysis (Microsoft Excel, Corel Quattro Pro etc.)
Word Processing (Microsoft Word, Corel Word Perfect etc.)
Presentation Programs (Microsoft PowerPoint, Corel Presentations etc.)

Driving licence: Categories BE, C1E, CE, M and L

Private Pilot Licence for gliders PPL-C
Certified engineer for aircrafts made of glass-fibre-reinforced plastic (GFK-engineer)
Paragliding licence

Christian Thiel