

# SKB Research Library - Thesis

## Table of Contents

Habilitation .....	1
1990 .....	1
PhD .....	1
1990 .....	1
2000 .....	2
2010 .....	3
M.Sc. / Diplom .....	4
1990 .....	4
2000 .....	6

## Habilitation

### 1990

**Thomas Magedanz:** *Intelligent Network Evolution*, 1999

- Author: Thomas Magedanz
- Thesis (habil): Habilitationsschrift, Technical University Berlin (TUB), Berlin, Germany
- Links: skb: [yaml](#) [src](#)

## PhD

### 1990

**Tom Pfeifer:** *Automatic Conversion of Communication Media*, 1999

- Author: Tom Pfeifer
- Doktorarbeit (PhD Thesis): Technical University Berlin (TUB), Berlin, Germany
- Links: skb: [yaml](#) [src](#)

---

**Aiko Pras:** *Network Management Architectures*, 1995

- Author: Aiko Pras
- Thesis (PhD): University of Twente, Enschede, The Netherlands
- Links: skb: [yaml](#) [src](#)

## 2000

**Keara Barrett:** *A Framework for the Semantic Translation of Policy Language Concepts*, 2009

- Author: Keara Barrett
- Thesis (PhD): Waterford Institute of Technology (WIT), Waterford, Ireland
- Links: skb: [yaml](#) [src](#)

---

**Steven Davy:** *Harnessing Information Models and Ontologies for Policy Conflict Analysis*, 2008

- Author: Steven Davy
- Thesis (PhD): Waterford Institute of Technology (WIT), Waterford, Ireland
- Links: skb: [yaml](#) [src](#)

---

**Roy Thomas Fielding:** *Architectural Styles and the Design of Network-based Software Architectures*, 2000

- Author: Roy Thomas Fielding
- Thesis (PhD): University of California, Irvine, USA
- Links: skb: [yaml](#) [src](#)

---

**Brendan Jennings:** *Network-oriented Load Control for SS.7/IN*, 2001

- Author: Brendan Jennings
- Thesis (PhD): Dublin City University (DCU), Dublin, Ireland
- Links: skb: [yaml](#) [src](#)

---

**Declan O'Sullivan:** *The OISIN framework: Ontology Interoperability in support of Semantic Interoperability*, 2006

- Author: Declan O'Sullivan
  - Thesis (PhD): Trinity College Dublin (TCD), Dublin, Ireland
  - Links: skb: [yaml](#) [src](#)
-

---

**John C. Strassner:** *Enabling Autonomic Network Management Decisions Using a Novel Semantic Representation and Reasoning Approach*, 2009

- Author: John C. Strassner
- Thesis (PhD): Waterford Institute of Technology (WIT), Waterford, Ireland
- Links: skb: [yaml src](#)

---

**Sven van der Meer:** *Middleware and Application Management Architecture*, 2002

- Author: Sven van der Meer
- Doktorarbeit (PhD Thesis), Technical University Berlin (TUB), Berlin, Germany
  - Berlin, September 25, 2002
- Links: [DOI](#), [PDF: TU Berlin](#), [PDF: Semantic Scholar](#), [Ernster](#)    skb: [yaml src](#)

## 2010

**Amy de Buitléir:** *Data Mining Using Artificial Life with Popperian-level Intelligence*, 2017

- Author: Amy de Buitléir
- Thesis (PhD): Athlone Institute of Technology (AIT), Athlone, Ireland
- Links: skb: [yaml src](#)

---

**Liam Fallon:** *Semantic-based Service Analysis and Optimization*, 2013

- Author: Liam Fallon
- Thesis (PhD): Trinity College Dublin (TCD), Dublin, Ireland
- Links: skb: [yaml src](#)

---

**Korbinian Frank:** *Adaptive and Tractable Bayesian Context Inference for Resource Constrained Devices*, 2011

- Author: Korbinian Frank
- Thesis (PhD): Waterford Institute of Technology (WIT), Waterford, Ireland
- Links: skb: [yaml src](#)

---

**Griffin Leigh:** *Managing the Formation and Interaction of Groups within Emerging Social Networks*, 2012

- Author: Griffin Leigh
  - Thesis (PhD): Waterford Institute of Technology (WIT), Waterford, Ireland
  - Links: skb: [yaml src](#)
-

---

**Stijn Verstichel:** *Distributed Reasoning for Context-Aware Services*, 2011

- Author: Stijn Verstichel
- Thesis (PhD): Department of Information Technology, iMinds, Ghent University, Ghent, Belgium
- Links: [UGhent](#)    skb: [yaml src](#)

---

**Vladimír Veselý:** *A new Dawn of Naming, Addressing and Routing on the Internet*, 2015

- Author: Vladimír Veselý
- Thesis (PhD): Brno University of Technology, Brno, Czech Republic
- Links: skb: [yaml src](#)

---

**Lei Xu:** *Automating the Generation, Deployment and Application of Charging Schemes for Composed Communications Services*, 2010

- Author: Lei Xu
- Thesis (PhD): Waterford Institute of Technology (WIT), Waterford, Ireland
- Links: skb: [yaml src](#)

## M.Sc. / Diplom

### 1990

**Stefan Arbanowski:** *Generic Description of Telecommunication Services and Dynamic Resource Selection in Intelligent Communication Environments*, 1996

- Author: Stefan Arbanowski
- Diplomarbeit (M.Sc. Thesis), Technical University Berlin (TUB), Berlin, Germany
- Links: skb: [yaml src](#)

---

**Andreas Dannert:** *Call Logic Service for a Personal Communication supporting System*, 1998

- Author: Andreas Dannert
  - Diplomarbeit (M.Sc. Thesis), Technical University Berlin (TUB), Berlin, Germany
  - Links: skb: [yaml src](#)
-

---

**Stefan Franz:** *Job and Stream Control in Heterogeneous Hardware and Software Architectures*, 1998

- Author: Stefan Franz
- Diplomarbeit (M.Sc. Thesis), Technical University Berlin (TUB), Berlin, Germany
- Links: skb: [yaml](#) [src](#)

---

**Frank Gadegast:** *TCP/IP-basierte Dienste zur Speicherung von Multimedia-Daten*, 1995

- Author: Frank Gadegast
- Diplomarbeit (M.Sc. Thesis), Technical University Berlin (TUB), Berlin, Germany
- Links: skb: [yaml](#) [src](#)

---

**Jens Hünenberg:** *Evaluating Object Oriented Databases for a Location Aware Application Platform*, 1999

- Author: Jens Hünenberg
- Diplomarbeit (M.Sc. Thesis), Technical University Berlin (TUB), Berlin, Germany
- Links: skb: [yaml](#) [src](#)

---

**Stephan Steglich:** *Management of Distributed Objects in Middleware Platforms*, 1998

- Author: Stephan Steglich
- Diplomarbeit (M.Sc. Thesis), Technical University Berlin (TUB), Berlin, Germany
- Links: skb: [yaml](#) [src](#)

---

**Sven van der Meer:** *Dynamic Configuration Management of the Equipment in Distributed Communication Environments*, 1996

- Author: Sven van der Meer
- Diplomarbeit (M.Sc. Thesis), Technical University Berlin (TUB), Berlin, Germany
  - Berlin, Germany, October 6, 1996
- Links: skb: [yaml](#) [src](#)

---

**Markus Zell:** *Selection of Converter Chains by Means of Quality of Service Analysis*, 1998

- Author: Markus Zell
- Diplomarbeit (M.Sc. Thesis), Technical University Berlin (TUB), Berlin, Germany
- Links: skb: [yaml](#) [src](#)

## 2000

**Ulla Becker:** *An Approach for Quality Assurance Management in decentralised Software Engineering Environments in context of Small and Medium-Sized Enterprises*, 2005

- Author: Ulla Becker
- Diplomarbeit (M.Sc. Thesis), Fachhochschule Karlsruhe, Karlsruhe, Germany
- Links: skb: [yaml](#) [src](#)

---

**Stipe Bozinovic-Mador:** *Distributed Parlay Resource API based on CT Media*, 2001

- Author: Stipe Bozinovic-Mador
- Diplomarbeit (M.Sc. Thesis), Technical University Berlin (TUB), Berlin, Germany
- Links: skb: [yaml](#) [src](#)

---

**Darach Cawley:** *Development of Smart Services for Smart Spaces*, 2004

- Author: Darach Cawley
- Thesis (M.Sc.): Waterford Institute of Technology (WIT), Waterford, Ireland
- Links: skb: [yaml](#) [src](#)

---

**Ie Cu:** *Bridging HAVi stack and 1394 devices: the Implementation of the Windows Driver Model*, 2002

- Author: Ie Cu
- Diplomarbeit (M.Sc. Thesis), Technical University Berlin (TUB), Berlin, Germany
- Links: skb: [yaml](#) [src](#)

---

**Manuela-Ionelia Dini:** *Temporal-Oriented Policy-Driven Network Management*, 2000

- Author: Manuela-Ionelia Dini
- Thesis (master): McGill University, Montreal, Canada
- Links: skb: [yaml](#) [src](#)

---

**Simon Dutkowski:** *Design Patterns for Distributed Communication Systems*, 2000

- Author: Simon Dutkowski
  - Diplomarbeit (M.Sc. Thesis), Technical University Berlin (TUB), Berlin, Germany
  - Links: skb: [yaml](#) [src](#)
-

---

**Michael Fahner:** *Information Visualization for Distributed Systems*, 2002

- Author: Michael Fahner
- Diplomarbeit (M.Sc. Thesis), Technical University Berlin (TUB), Berlin, Germany
- Links: skb: [yaml](#) [src](#)

---

**Martin Feeney:** *Autonomic Management of Ubiquitous Computing Environments*, 2006

- Author: Martin Feeney
- Thesis (M.Sc.): Waterford Institute of Technology (WIT), Waterford, Ireland
- Links: skb: [yaml](#) [src](#)

---

**Wolfram Fritzsche:** *Integrated Management of Distributed Components*, 2001

- Author: Wolfram Fritzsche
- Diplomarbeit (M.Sc. Thesis), Technical University Berlin (TUB), Berlin, Germany
- Links: skb: [yaml](#) [src](#)

---

**Philipp Hünenberg:** *Internet-Mikrofon - Entwicklung eines Smart-IP Systems zur Audio Erfassung und Übertragung*, 2002

- Author: Philipp Hünenberg
- Diplomarbeit (M.Sc. Thesis), Technical University Berlin (TUB), Berlin, Germany
- Links: skb: [yaml](#) [src](#)

---

**Lars Karow:** *Internet Weather Report - the users perspective*, 2000

- Author: Lars Karow
- Diplomarbeit (M.Sc. Thesis), Technical University Berlin (TUB), Berlin, Germany
- Links: skb: [yaml](#) [src](#)

---

**Alexandros Machias:** *Design und Implementierung einer mehrsprachigen Datenbankmanagement-Applikation zur dezentralen Datenpflege*, 2001

- Author: Alexandros Machias
  - Diplomarbeit (M.Sc. Thesis), Technical University Berlin (TUB), Berlin, Germany
  - Links: skb: [yaml](#) [src](#)
-

---

**Elie Mbedi:** *A CORBA-based Approach to access distributed SQL-databases*, 2000

- Author: Elie Mbedi
- Diplomarbeit (M.Sc. Thesis), Technical University Berlin (TUB), Berlin, Germany
- Links: skb: [yaml](#) [src](#)

---

**Teri Morris:** *Policy based Management Using Context Mobility in Ad-hoc Networking*, 2006

- Author: Teri Morris
- Thesis (M.Sc.): Waterford Institute of Technology (WIT), Waterford, Ireland
- Links: skb: [yaml](#) [src](#)

---

**Hong Mu:** *Entwicklung seines Testkonzeptes für die Beurteilung der Skalierbarkeit von J2EE-basierten Applicationservern*, 2001

- Author: Hong Mu
- Diplomarbeit (M.Sc. Thesis), Technical University Berlin (TUB), Berlin, Germany
- Links: skb: [yaml](#) [src](#)

---

**Aaron Nsang:** *Entwurf und Implementierung eines HL7-XML Gateways zum Ex- und Import von Daten einer elektronischen Patientenakte*, 2002

- Author: Aaron Nsang
- Diplomarbeit (M.Sc. Thesis), Technical University Berlin (TUB), Berlin, Germany
- Links: skb: [yaml](#) [src](#)

---

**Robert O'Connor:** *An Investigation into Management Functionality for Ubiquitous Computing Environments*, 2004

- Author: Robert O'Connor
- Thesis (M.Sc.): Waterford Institute of Technology (WIT), Waterford, Ireland
- Links: skb: [yaml](#) [src](#)

---

**Syed Raza:** *Auswertung von Log-Informationen der PLATIN-Plattform über Web-Klienten*, 2002

- Author: Syed Raza
  - Diplomarbeit (M.Sc. Thesis), Technical University Berlin (TUB), Berlin, Germany
  - Links: skb: [yaml](#) [src](#)
-



---

**Jan Riedinger:** *Design of a Generic Media Gateway for IP Telephony*, 2002

- Author: Jan Riedinger
- Diplomarbeit (M.Sc. Thesis), Technical University Berlin (TUB), Berlin, Germany
- Links: skb: [yaml](#) [src](#)

---

**Robert Sander:** *Deploying Distributed Object Data to Remote Clients using structured Languages*, 2000

- Author: Robert Sander
- Diplomarbeit (M.Sc. Thesis), Technical University Berlin (TUB), Berlin, Germany
- Links: skb: [yaml](#) [src](#)

---

**Jochen Schönfeld:** *Entwicklung und Erprobung eines selbstkonfigurierenden Netzes von Smart-IP Geräten*, 2002

- Author: Jochen Schönfeld
- Diplomarbeit (M.Sc. Thesis), Technical University Berlin (TUB), Berlin, Germany
- Links: skb: [yaml](#) [src](#)

---

**Mario Schuster:** *An Open Service Platform for Context and Location Aware Applications*, 2001

- Author: Mario Schuster
- Diplomarbeit (M.Sc. Thesis), Technical University Berlin (TUB), Berlin, Germany
- Links: skb: [yaml](#) [src](#)

---

**Mandeep Singh:** *Integrated Management Services for Directory, Naming, and Specification of Distributed Components*, 2001

- Author: Mandeep Singh
- Diplomarbeit (M.Sc. Thesis), Technical University Berlin (TUB), Berlin, Germany
- Links: skb: [yaml](#) [src](#)

---

**Alexander Sparkowsky:** *Mobilitäts- und Nachrichtendienste für drahtlos vernetzte aktive Namensschilder*, 2002

- Author: Alexander Sparkowsky
  - Diplomarbeit (M.Sc. Thesis), Technical University Berlin (TUB), Berlin, Germany
  - Links: skb: [yaml](#) [src](#)
-

---

**Jörn von Kattché:** *Design und Implementierung einer CORBA/SOAP-Bridge*, 2002

- Author: Jörn von Kattché
- Diplomarbeit (M.Sc. Thesis), Technical University Berlin (TUB), Berlin, Germany
- Links: skb: [yaml](#) [src](#)

---

**Giscard Wépiwé:** *Design and Implementation of a Routing Mechanism for a Wireless Ad Hoc Network*, 2002

- Author: Giscard Wépiwé
- Diplomarbeit (M.Sc. Thesis), Technical University Berlin (TUB), Berlin, Germany
- Links: skb: [yaml](#) [src](#)

---

**Ming Yin:** *Design and Implementation of an ORB-based DPE Platform for Active Network Nodes*, 2002

- Author: Ming Yin
- Diplomarbeit (M.Sc. Thesis), Technical University Berlin (TUB), Berlin, Germany
- Links: skb: [yaml](#) [src](#)