

Curriculum Vitae Ulrich Norbistrath

Contact Information

Name	Ulrich Norbistrath
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Citizenship	US American and German

Research Interests (<http://research.ulno.net>)

- Ubiquitous Systems (Mobile Computing, Mobile Authentication, Mobile Biometrics)
- Software Engineering (Model Driven Engineering, Service Oriented Computing)
- Distributed systems (Cloud Computing, P2P Systems, High Performance Computing)
- Information Systems (Knowledge Management)
- Security and privacy (in P2P systems)
- Active learning (and using this in my teaching)

Education

26.06.2007	PhD Computer Science, RWTH Aachen University (Aachen, Germany) Research areas: component based programming, model driven engineering, software architectures, smart home systems Dissertation title: <i>Configuring eHome Systems</i> Grade: magna cum laude (1.0) Advisors: Professor Dr.-Ing. M. Nagl, RWTH Aachen University (Aachen, Germany), Professor Dr. rer.-nat. Albert Zündorf, University of Kassel (Kassel, Germany)
14.07.2000	Diploma Computer Science, RWTH Aachen University (Aachen, Germany) Research areas: functional programming languages, networks Thesis title: <i>Port Based Distributed Haskell</i>
28.08.1995	Intermediate diploma (Vordiplom) Mathematics, RWTH Aachen University (Aachen, Germany)

Academic Experience

01.09.2012 – present	Assistant professor Computer Science in School of Science and Technology (SST) at Nazarbayev University (Astana Kazakhstan)
31.08.2009 – 30.09.2012	<i>Senior research fellow</i> in Distributed Systems group at University of Tartu (Tartu, Estonia)
08.10.2009 – 30.10.2009	<i>Visiting researcher</i> at Prof. Lisa Singh's group at Georgetown University, Washington, DC, USA
06.10.2006 –	<i>Lecturer and researcher</i> in Computer Science at University of Tartu (Tartu,

- 30.09.2012 Estonia)
- 01.07.2007 – 30.08.2009 *Postdoc* in Distributed Systems group at University of Tartu (Tartu, Estonia)
- 24.09.2008 – 22.10.2008 *Visiting researcher* at Prof. M. Brian Blake's group at Georgetown University, Washington, DC, USA
- 01.04.2004 – 31.10.2006 *Consultant* of the Department of Computer Science (Fachgruppenreferent)
- 01.03.2002 – 27.06.2007 PhD student *lecturer* and *system administrator* at RWTH Aachen University (Aachen, Germany), Department of Computer Science 3,
Teaching: Supervision, lectures, seminars and lab courses
Additional: Linux administration, web-server administration
- 01.07.1994 – 31.03.1999 *Studentische Hilfskraft* (similar to *research assistant*), aps GmbH, European Center of Mechatronics (Aachen, Germany)
Projects:
- 3D robotic and milling simulation
 - Application design of Lotus Notes applications
 - Administration of heterogeneous development environments (SGI IRIX, PC Linux, PC WIN NT, SUN SUN-OS, SUN Linux, PPC Parallel Computer VXWorks, Lotus Domino-Server)
 - Preparation of and participation in international meetings (IECON '98)

Additional Experience

- 12/2010 – current *CTO* Biometry Inc. (former BIOMETRY.com)
- 01/2005 – current *Independent Technical Consultant* at <http://ulno.net>
- 03/2008 – 08/2009 *Representative of University of Tartu*, Dept. of Computer Science (Tartu, Estonia) for Mobile Computing (i.e. on [Mobile Monday Estonia](#) events)
- 13.03.2009 – 30.09.2009 *Mentor* in the Google Summer of Code 2009 (project: sip-communicator, now jitsi)
16. – 19.09.2008 Supervision Course, Sagadi, Estonia
- 17.03.2008 – 02.09.2008 *Mentor* in the Google Summer of Code 2008 (project: sip-communicator, now jitsi)
- 11/2007 – 04/2008 *Gaming: Situated and Action Learning* (<http://algs.ulno.net>), Cultural Institute, Viljandi, Estonia
- 05/1999 – 10/2004 *Management director* of the company WeSolv'IT (specialization in networks, datawarehousing, and integrating Linux solutions)
Projects:
- Linux gateways (in beginning of 2001 in 30 Schools and 5 offices -> ~1000 Computers connected to the Internet)
 - Linux desktop solutions (application in three offices and one school),
 - Linux surf terminal (bookstores Mayersche Deutschland, Förderverein Kunst und Internet more than 50 terminals),

- data warehouse Solution for Düker Sanitär
- re-engineering and extension of the Linux solution for the bookstores Mayersche Deutschland (this software controls more than 100 computers all over Germany up to today)
- accelerated email accounting at schools for ePost (15000 mail-accounts created from 2001/07 to 2002/01)

Experience: network administration (pharmacies, churches, architects, insurance offices, movie production office, travel agencies, schools), web design, experience in teaching and customer care

Research: virtualization, system security, network deployment strategies, requirements analysis, functional filters for databases

05/1999 - 02/2000 *Developer*, Multidata GmbH, Prüm

Projects:

- Application development for the health area
- Consulting and support migrating SCO servers to Linux

Experience: Migration of Windows 9x applications to Linux, Network administration

01/1992 – 08/1993 *Game Developer*, Trifle Softworx

Project: Development of the game McMinos

Skills

Languages	German	native
	English	fluent
	French	intermediate
	Estonian	basic
	Russian	basic
Operating Systems	Windows, Linux, Android	expert
	Mac OSX, iOS	extensive
Applications	MS/Open/Libre Office, Eclipse, VMware, VirtualBox, QEMU/KVM	expert
Programming languages	C/C++, Java, C#, Python, Unix Shell Scripts, Perl, Assembler MIPS/68k, Haskell, HTML/JavaScript	expert
	Tcl/Tk, VBasic, SQL, Fortran	extensive
	ADA, Ruby, Lua	basic

Publications (<http://publications.ulno.net>)

- 1 Zündorf, A., George, T., Lindel, S., and Norbistrath, U. (2013). *Story Driven Modeling Library (SDMLib): an Inline DSL for modeling and model transformations, the Petrinet-Statechart case.*, in Sixth Transformation Tool Contest (TTC 2013), ser. EPTCS, 2013
- 2 Norbistrath, U., Zündorf, A., Jubeh, R. (2013) *Story Driven Modeling*. CreateSpace Independent Publishing Platform, 2013, S. 1-333, ISBN 978-1483949253
- 3 Singer, G., Norbistrath, U., Lewandowski, D. (2012). *An experiment with ordinary Web search engine users carrying out complex search tasks*. arXiv preprint arXiv:1206.1492.

- 4 Singer, G., Norbistrath, U., Lewandowski, D. (2012). *Impact of gender and age on performing complex search tasks online*. Mensch & Computer. arXiv preprint arXiv:1206.1494.
- 5 Singer, K., Singer, G., Lepik, K., Norbistrath, U., Pruulmann-Vengerfeldt, P. (2012). *Search Strategies of Library Search Experts*. arXiv preprint arXiv:1206.2465.
- 6 Singer, G., Pruulmann-Vengerfeldt, P., Norbistrath, U., Lewandowski, D. (2012). *The relationship between internet user type and user performance when carrying out simple vs. complex search tasks*. First Monday 17.
- 7 Singer, G., Norbistrath, U., Lewandowski, D. (2012). *Ordinary search engine users carrying out complex search tasks*. Journal of Information Science.
- 8 Singer, G., Norbistrath, U., Lewandowski, D. (2012). *Ordinary search engine users assessing difficulty, effort, and outcome for simple and complex search tasks*. Proceedings of the 4th Information Interaction in Context Symposium. pp. 110–119.
- 9 Singer, G.; Norbistrath, U.; Lewandowski, D. (2012). *An experiment with ordinary Web search engine users carrying out complex search tasks*. arXiv preprint arXiv:1206.1492,.
- 10 Singer, G.; Danilov, D.; Norbistrath, U. (2012). *Complex Search: Aggregation, Discovery, and Synthesis*. Proceedings of the Estonian Academy of Sciences, vol. 61, no. 2, pp. 89–106, 2012.
- 11 Tamme, Tõnu; Norbistrath, Ulrich; Singer, Georg; Vainikko, Eero (2011). *Improving Email Management*. IMMM 2011 : The First International Conference on Advances in Information Mining and Management; Barcelona, Spain, October 23-29, 2011. XPS (Xpert Publishing Services), 2011, 67 – 72.
- 12 Kirsimäe, Sven; Norbistrath, Ulrich; Singer, Georg; Srirama, Satish Narayana; Lind, Artjom (2011). *Extending Friend-to-Friend Computing to Mobile Environments*. MOBILITY, The First International Conference on Mobile Services, Resources, and Users; Barcelona, Spain; October 23-29, 2011 . , 2011, 75 – 80.
- 13 Singer, G.; Norbistrath, U.; Vainikko, E.; Kikkas, H.; Lewandowski, D. F. (2011). *Search-Logger – Analyzing Exploratory Search Tasks*. ACM Symposium On Applied Computing. Taiwan: ACM, 2011, (SAC '11 Proceedings of the 2011 ACM Symposium on Applied Computing ACM New York), 751 – 756.
- 14 Singer, K.; Singer, G.; Lepik, K.; Norbistrath, U.; Pruulmann-Vengerfeldt, P. (2011). *Search Strategies of Library Search Experts*. In: Proceedings of the International Conference on QQML 2011: 3rd International Conference on Qualitative and Quantitative Methods in Libraries. World Scientific, 2011.
- 15 Lind, A., Norbistrath, U., Jubeh, R., 2011. Using Fujaba in Systems Modeling A Teaching Experience Report. Fujaba Days 2011 28.
- 16 Georg Singer, Ilja Livenson, Marlon Dumas, Satish N. Srirama, and Ulrich Norbistrath: *Towards a model for cloud computing cost estimation with reserved resources*. Proceedings of 2nd International ICST Conference on Cloud Computing (CloudComp 2010), Barcelona, Spain.
- 17 Christian Pöcher, Oleg Batrsev, Ulrich Norbistrath, Eero Vainikko (2009): *DougFlow - Offering Scientific Applications via Web Services*, International Conference on Internet and Web Applications and Services (ICIW 2009), May 2009, Venice, Italy, pp. 487-492, ISBN 978-0-7695-3613-2 (best paper award)

- 18 Jaan Neljandik, Ulrich Norbistrath, Eero Vainikko, Anne VILLEMS, Ivar Männamaa: *Mullivelled 2.0 - Wrapping a Real-Time Strategy Computer Game into an Educational Gaming Environment*, Proceedings of the International Conference on Internet and Web Applications and Services (ICIW 2009), May 2009, Venice, Italy, pp. 487-492, ISBN 978-0-7695-3613-2
- 19 Ulrich Norbistrath, Ivar Männamaa, Anne VILLEMS, Külli Kalamees-Pani: *Mullivelled - Wrapping Computer Games into Educational Gaming Environments*. Games: virtual world and reality, selected papers of International Gaming and Simulation Association Conference (ISAGA 2008, July 2008), Editors: E.Bagdonas & I.Patasiene. Technologija, Kaunas/Lithuania 2009, pp.219-225
- 20 Ulrich Norbistrath, Keio Kraaner, Eero Vainikko, Oleg Batrašev: *Friend-to-Friend Computing - Instant Messaging Based Spontaneous Desktop Grid*. The Third International Conference on Internet and Web Applications and Services (ICIW 2008), June 2008, Athens/Greece, IEEE Computer Society Press.
- 21 Ulrich Norbistrath: *Konfigurierung von eHome-Systemen (Configuring eHome Systems)*. PhD, ISBN 978-9985-4-0519-2, 293 Pages, 2007.
- 22 Ulrich Norbistrath, Christof Mosler: *Tool Support for the eHome Specification, Configuration, and Deployment Process*. 1st International Workshop on Mobile Services and Personalized Environments (MSPE'06), Aachen, Germany, 16-17 November 2006, Lecture Notes in Informatics (LNI), 2006.
- 23 Ulrich Norbistrath, Christof Mosler: *Functionality Configuration for eHome Systems*. 16th International Conference on Computer Science and Software Engineering (CASCON'06), Toronto, Canada, 16-19 October 2006, ACM Digital Library, 2006.
- 24 Ulrich Norbistrath, Christof Mosler, Ibrahim Armac: *The eHomeConfigurator Tool Suite*. 1st International Workshop on Pervasive Systems (PerSys'06), Montpellier, France, 30-31 October 2006, Lecture Notes in Computer Science (LNCS), 2006.
- 25 Ulrich Norbistrath, Christof Mosler: *Component-Based Development for eHome Systems*. International Conference on Computational Methods in Science and Engineering (ICCMSE'06), Chania, Crete, Greece, 27 October - 1 November 2006, Lecture Series of Computer and Computational Sciences (LSCCS), 2006.
- 26 Ulrich Norbistrath, Priit Salumaa, Adam Malik, Tim Schwerdtner: *eHome Specification, Configuration, and Deployment*. Demonstration-Paper D15 on UbiComp2005, <http://ubicomp.org/ubicomp2005/programs/demos.shtml>
- 27 U. Norbistrath, P. Salumaa, E. Schultchen, and B. Kraft. *Fujaba based tool development for ehome systems*. In Proceedings of the International Workshop on Graph-Based Tools (GraBaTs 2004), volume 127 of Electr. Notes in Theor. Comp. Sci., pages 89-99. Elsevier Science, 2005.
- 28 Ulrich Norbistrath, Michael Kirchof: *Configuration and Deployment in eHome-Systems*. Proceedings of International Conference on Information Systems: New Generations (ISNG 2004), ISBN 0-9762601-0-7, pp. 23-28, PHASE, 2004.
- 29 Michael Kirchof, Ulrich Norbistrath, Christof Skrzypczyk: *Towards Automatic Deployment in eHome Systems: Description Language and Tool Support*. 2004, Springer, Lecture Notes in Computer Science, Vol. 3290, On the Move to Meaningful Internet Systems 2004: CoopIS, DOA, and ODBASE: OTM Confederated International Conferences 2004, CoopIS'04, DOA, and ODBASE 2004, Agia Napa, Cyprus, October 25-29. Proceedings, Part I, Robert Meersman, Zahir Tari, ISBN 3-540-23663-5, 460 pp.

- 30 Michael Kirchhof, Manfred Nagl, Ulrich Norbistrath: *EAI heißt insbesondere Integration: Probleme und die Rolle technischer Hilfsmittel (Enterprise Application Integration is in Particular Integration: Problems and the Role of Technical Utilities)*. Proceedings of ONLINE 2003, Online Verlag, 2003.
- 31 Yu Jiao, Ulrich Norbistrath: *Dynamische Komponententechnologien für Limited Devices*. K. Imscher (Component Based Frameworks for Limited Devices), K.-P. Fähnrich, VDI-Verlag, 189 - 196, 13. ITG/GI-Fachtagung Kommunikation in verteilten Systemen KiVs 2003, 2003, ISBN 3-80072753-6.
- 32 Frank Huch, Ulrich Norbistrath: *Distributed Programming in Haskell with Ports*. 2000, Springer, Lecture Notes In Computer Science, Vol. 2011, Selected Papers from the 12th International Workshop on Implementation of Functional Languages, Pages: 107 - 121, ISBN 3-540-41919-5.

Awards

- 12/2010 Winner of the biometry challenge at Mobile Monday Baltics
- 05/2009 Best paper award with *DougFlow — Offering Scientific Applications via Web Services* on The Fourth International Conference on Internet and Web Applications and Services – ICIW2009, Venice, Italy
- 01.03.2002 – Enhanced scholarship for Graduate College “Software for Communication Systems“, RWTH Aachen University (Aachen, Germany)
- 28.02.2004
- 15.07.1991 – Course for students with outstanding performance in natural sciences in high school: High school Students' (Schülerakademie) II in Braunschweig, Germany (for highly talented students): Mathematic Methods in Neurophysics
- 27.07.1991

Grants

- 11/2012 *Private Academic Cloud Computing*, Nazarbayev University, Astana Kazakhstan, \$800,000 (acquired myself – Principal Investigator)
- 11/2011 Consulting Services for various companies in Estonia for biometric technology evaluation. \$20,000 (acquired myself)
- 03/2009 *Feasibility study for research initiative Multidimensional Contextual Graph Databases*, Enterprise Estonia: \$20,000 for 3 months (one of the project leaders)
- 11/2008 *Scholarship for visiting PhD student*, DoRa European Social Fund: \$3,000 (acquired myself)
- 10/2007 *Playstation Computing Engine (16 Sony Playstation 3)*, Tiger University Estonia: \$15,000 (acquired myself)
- 11/2007 *4 supporting student scholarships for 4 years*, Estonian Science Foundation: \$20,000/annum (acquired together with Eero Vainikko)
- 03/2008 *High Performance Computing Center*, University Base Funding: \$250,000 (acquired in team)
- 04/2008 *Centre of Excellence in Computer Science (EXCS)*, European Union, Centers of Excellence: \$1,000,000/annum (\$300,000 for computer science) for 7 years (acquired in team)
- 03/2004 *3 Scholarships for students as research students*, Graduate College

“Software for Communication Systems“, support for 2 years, total \$36,000 (acquired myself)

Presentations (<http://presentations.ulno.net>)

Ubiquitous Systems

- 25.11.2013 *Advances in Mobile Biometry*, Distributed Computing Seminar (Tartu, Estonia)
- 23.11.2013 *Higher Security through Mobile Biometrics*, Rigacomm 2013 (Riga, Latvia)
- 22.09.2013 *Mobile Biometrics*, IT-Club Nazarbayev University (Astana, Kazakhstan)
- 28.03.2013 *Greeting Cards were Yesterday! – Let's build our own mobile greeting APP.* Talk at 3rd Nauryz meeting at NIS at Taldykorgan, Kasakhstan
- 12.03.2012 *Easy security – is this possible? — How biometry will shape our future sense and use of security.* Talk at the Baltisch-Deutsches Hochschulkontor in Riga, Latvia
- 09.03.2012 *Presentation of Mobile Biometric Authentication* at CeBIT, Hannover, Germany
- 27.02.2012 – 01.03.2012 *Presentation of Mobile Biometric Authentication* at Mobile World Congress, Barcelona, Spain
- 13.02.2011 and 23.03.2011 *Greeting cards? Boring! Let's customize our own Android Greeting APP.* Talk at University of Tartu, Estonia for Open house day and the Informatics Olympiad.
- 24.08.2010 *F2F private cloud demo presentation* at 9th Estonian Summer School on Computer and Systems Science, Pedase, Estonia
- 21.11.2008 *Friend-To-Friend (F2F) Computing for the Grid.* Distributed Systems Seminar, University of Tartu (Tartu, Estonia)
- 28.10.2008 *A Friend-To-Friend (F2F) Computing Layer for ARC.* Nordugrid 2008 Conference (Budapest, Hungary)
- 27.10.2008 *Friend-To-Friend (F2F) Computing. II.* Symposium on Innovative Software Technology – IST'2008 (Tartu, Estonia)
- 26.08.2008 *An Introduction to Friend-To-Friend (F2F) Computing.* Colloquium at George Washington University (Virginia, USA)
- 10.06.2008 *Friend-to-Friend Computing - Instant Messaging Based Spontaneous Desktop Grid.* The Third International Conference on Internet and Web Applications and Services – ICIW2008, (Athens, Greece)
- 26.03.2008 *An Introduction to F2F Computing.* Minimum Intrusion Grid Workshop, University of Copenhagen (Copenhagen, Denmark)
- 26.01.2008 *Friend-To-Friend (F2F) Computing.* Theory Days (Põlva, Estonia)
- 19.09.2007 *Configuring eHome Systems* (same talk as in Aachen). Distributed Systems Seminar, University of Tartu (Tartu, Estonia)
- 27.06.2007 *Configuring eHome Systems.* PhD Colloquium at RWTH Aachen University (Aachen, Germany)
- 26.01.2007 *Configuring eHome Systems.* Theory Days (Rõuge, Estonia)
- 30.11.2006 *Component-Based Development for eHome Systems.* International Conference on Computational Methods in Science and Engineering -

- ICCMSE'06 (Chania, Greece)
- 17.10.2006 *Functionality Configuration for eHome Systems*. 16th International Conference on Computer Science and Software Engineering - CASCON'06 (Toronto, Canada)
- 05.01.2006 *Configuring eHome Systems*. Colloquium at University of Tartu, (Tartu, Estonia)
- 13.09.2005 *Demonstration: eHome Specification, Configuration, and Deployment*. UbiComp2005 (Tokyo, Japan)
- 03.05.2005 *The eHomeConfigurator Tool Suite*. Fujaba Developer Days 2005, University of Kassel (Kassel, Germany)
- 11.10.2005 *Specification, Configuration, and Deployment of eHome Systems – Status and Future Work*. Workgroup Software Engineering (Aachen, Germany)
- 11.01.2005 *Configuration, Specification, Deployment in eHome Systems*. Presentation and demonstration of the graduate college to the DFG, RWTH Aachen University (Aachen, Germany)
- 25.02.2005 *Specification, Configuration, and Deployment in eHome Systems*. Workshop Applications of Software Engineering Methods in Ubiquitous Computing, University of Tartu (Tartu, Estonia)
- 29.10.2004 *Towards Automatic Deployment in eHome Systems: Description Language and Tool Support*. International Conference on Cooperative Information Systems - CoopIS'04 (Agia Napa, Cyprus)
- 20.10.2004 *Specification, Configuration, and Deployment in eHome Systems*. Workgroup Software Engineering, RWTH Aachen University (Aachen, Germany)
- 15.09.2004 *Fujaba-based Tool Development and Generic Activity Mapping: Building an eHomeSpecifier* (presentation and demonstration). FujabaDays 2004 (Darmstadt, Germany)
- 27.07.2004 *Configuration and Deployment for eHome systems*. Workgroup Software Engineering, RWTH Aachen University (Aachen, Germany)
- 02.10.2004 *Fujaba based tool development for eHome systems*. International Workshop on Graph-Based Tools 2004 (GraBaTs'04), Workshop of ICGT'04, Rome
- 04.11.2003 *A Complete eHome Scenario – Status and Strategies*. Workgroup Software Engineering, RWTH Aachen University (Aachen, Germany)
- 07.10.2003 *eHome-Configuration Management – A Short Outline*. Workgroup Software Engineering, RWTH Aachen University (Aachen, Germany)
- 17.06.2003 *Configurations in eHomes*. Annual meeting of the computer science graduate colleges Germany on castle Dagstuhl. (Dagstuhl, Germany)
- 04.06.2003 *Software Engineering for Home Automation - Configurations in eHomes*. Seminar of the graduate college, RWTH Aachen University (Aachen, Germany)
- 06.12.2002 *Demonstration eHome Laboratory*. Day of Computer Science 2002, RWTH Aachen University (Aachen, Germany)
- 06.11.2002, 26.10.2002 *Integrated eBusiness Systems and Home Automation*. Seminar of the graduate college, RWTH Aachen University (Aachen, Germany)

Information Systems

- 24.10.2011 *Complex Search: From Lookup to Understanding*, Keynote talk at Infocomp 2011 in Barcelona, Spain. (I also chaired 5 sessions at this conference.)
- 13.11.2009 *Search vs. Exploration - From Lookup to Understanding*, Colloquium at Georgetown University, Washington, DC, USA
- 05.11.2009 *Search vs. Exploration - From Lookup to Understanding*, Colloquium at Hampdon-Sydney College, Hampdon-Sydney, Virginia, USA
- 31.01.2009 *Inferato - Don't search inferate. Scenario based Search.*, Theory Days, Käärikuu, Estonia
- 16.01.2009 *Inferato - Don't search inferate. Scenario based Search.*, Colloquium at Georgetown University, Washington, DC, USA

Additional Talks and Presentations

- 29.11.2013 *Makers Generation and Friends (3D Printing and virtual currencies like Bitcoins)*, Rotary Club Riga (Riga, Latvia)
- 27.11.2013 *Guest Lecture in Scientific Computing Course on Private Academic Cloud Computing in Research and Teaching*, University of Tartu (Tartu, Estonia)
- 20.11.2013 *Keynote: Private Academic Cloud Computing in Research and Teaching – An Experience Report on Using Existing Infrastructure for Cloud Resources at Nazarbayev University* (Astana, Kazakhstan)
- 29.11.2012 *Trends in IT Manager Education*, Kazakhstan IT Managers Society Summit, Almaty, Kasakhstan
- 24.10.2009 *FLOSS and the Invisible Hand of Publish or Perish*, Session Co-Lead with Nicolas Robidoux at Google Mentor Summer of Code Summit 2009 in Mountainview, California
- 25.05.2009 *DougFlow — Offering Scientific Applications via Web Services*, The Fourth International Conference on Internet and Web Applications and Services – ICIW2009, Venice, Italy (best paper award)
- 16.04.2008 *The Educational Computer Game MulliVelled*. Dorpater Dozentenabend (Tartu, Estonia)
- 02.04.2008 *The Educational Computer Game MulliVelled*. Distributed Systems Seminar, University of Tartu (Tartu, Estonia)
- 03.10.2007 *From Reverse Engineering to Round-Trip Engineering of Distributed Applications*. Distributed Systems Seminar, University of Tartu (Tartu, Estonia)
- 17.04.2007, 19.04.2007 *Software Design with FUJABA*. Distributed Systems Seminar, University of Tartu (Tartu, Estonia)
- 12.03.2004 *Freely Available Demonstrators and Trouble with Software Licenses*. Regina-Workshop (Aachen, Germany)
- 26.09.2003 *EAI heißt insbesondere Integration: Probleme und die Rolle technischer Hilfsmittel (EAI is Especially Integration: Problems and the Role of*

27.08.2002 *Technical Tools*). ONLINE 2003 (Düsseldorf, Germany)
Dynamic Structures in Component Based Systems. Workgroup Software Engineering, RWTH Aachen University (Aachen, Germany)

Professional Service

20.11.2013 Organizer and host of Seminar on Academic Cloud Computing at Nazarbayev University (Astana, Kazakhstan)
11.05.2011 – 13.05.2011 Organizer of 8th International Fujaba days (Tartu, Estonia)
24.05.2009 – present Committee member of SLAECE, ICIW, IMMM, and INFOCOMP conferences
09/2008 – present Reviewer for IEEE Transactions on Services Computing
12.06.2008 Session chair: ICIW 2008 – IWAS – Web Technologies, Frameworks, Languages, Mechanisms (Athens, Greece)
26.09.2003 Session chair: ONLINE 2003 – Symposium VI-4 Web-Services: Neue Strategien und Techniken für EAI, ONLINE 2003 (Düsseldorf, Germany)

Supervised PhD / Diploma / Master / Bachelor Theses (<http://advising.ulno.net>)

Georg Singer *Web search engines and complex information needs*, 10/2012, PhD
Peeter Jürviste *Supporting Internet Search by Search-Log Publishing*, 06/2012, Master
Shazia Javed *Service Integration for Biometric Authentication*, 06/2012, Master
Dmitri Borissenko *Integrative Graph Filesystems*, 06/2011, Master
Vladimir Skapurelov *Java adapter for F2F Computing*, 06/2011, Master
Dmitri Danilov *3D Graph Exploring, master thesis*, 06/2010, Master
Oleg Knut *A Low Level Virtual Machine Backend for F2F Computing*, 06/2010, Master
Toomas Laasik *A Conjugate Gradient Solver Library for the Playstation 3*, 06/2010, Master
Artjom Lind *A Flexible Network Layer for F2F Computing*, 06/2010, Master
Lauri Tulmin *A Conjugate Gradient Solver on the Playstation 3 – a native approach*, 06/2010, Master
Madis Kapsi *Usability Improvements for the Friend-to-Friend Computing Pidgin Plugin*, 06/2010, Bachelor
Peeter Jürviste *Email Information Concentrator*, 06/2010, Bachelor
Olga Agen *Distributed log tracer framework*, 06/2010, Bachelor
Sven Kirsimäe *F2F Computing goes Mobile*, 06/2009, Master
Jaan Neljandik *Orchestration of educational computer game environments*, 06/2009, Master
Dmitri Melnikov *F2F Computing as a Base for Network Games - Bub's Brothers*, 06/2009, Bachelor
Rauno Raudpuu *Whiteboard for F2F Computing*, 06/2009, Bachelor

Maido Käära	<i>F2F Pidgin Plugin</i> , 06/2009, Bachelor
Janno Toots	<i>Skype adapter for Friend-to-Friend Computing</i> . 06/2008, Bachelor
Artjom Lind	<i>NAT-traversal for P2P systems in Java</i> . 06/2008, Bachelor
Raido Türk	<i>Topology Data Gathering for F2F Computing</i> . Master, 06/2008, Master
Indrek Priks	<i>Topology Visualization for F2F Computing</i> . Master, 06/2008, Master
Andres Luuk	<i>An MPI Layer for Friend-to-Friend Computing</i> . 06/2008, Master
Keio Kraaner	<i>A Framework for Friend-to-Friend Computing</i> . 06/2008, Master
Anton Litvinenko	<i>Automatic prediction of source code contribution type</i> . 06/2007, Master
Christian Pöcher	<i>Modeling Grid Application</i> . 05/2007, German Diploma
Philipp Böckers	<i>Automated Tests for Access Control Systems</i> . 08/2006, German Diploma
Tim Schwerdtner	<i>Strategies for Specification of eHome Systems</i> . 11/2005, German Diploma
Priit Salumaa	<i>Model Transformations in eHome Systems</i> . 10/2005, Master
Arash Akhoundi	<i>Distributed Automatic Deployment of eHome Configurations</i> . 03/2005, German Diploma
Adam Malik	<i>Information Acquisition for Automatic Deployment of eHome Systems</i> . 02/2005, German Diploma
Ingo Kreienbrink	<i>Classification and Search Strategies in eHome Scenarios</i> . 10/2004, German Diploma
Markus Klinke	<i>Instanciation of eHome Services</i> . 05/2004, German Diploma
Christof Skrzypczyk	<i>Description Language for eHome Configurations</i> . 03/2004, German Diploma

Teaching Record (<http://teaching.ulno.net>)

Lecture, Spring 2014	Mobile Computing
Lecture, Spring 2014	Operating Systems (based on Android)
Lecture, Fall 2013	Computer Systems and Organization
Lecture, Fall 2013	Software Engineering
Lecture, Spring 2013	Operating Systems (based on Minix)
Lecture, Spring 2013	Fundamentals of Programming
Lecture, Fall 2012	Computer Systems and Organization
Lecture, Fall 2012	Web Programming and Problem Solving
Supervision of Lecture, Spring 2012	Systems Administration
Supervision of Lecture, Fall 2011	Systems Modeling
Seminar, Fall 2011	Distributed Systems Seminar
Lecture, Spring 2011	Systems Administration
Seminar, Spring 2011	Distributed Systems Seminar

Lecture, Fall 2011	Systems Modeling
Seminar, Fall 2010	Distributed Systems Seminar
Seminar, Spring 2010	Distributed Systems Seminar
Lecture, Fall 2009	Introduction to Informatics: Distributed Systems (one session)
Lecture, Fall 2009	Software Engineering: Modeling (one session)
Lecture, Fall 2009	Software Modeling: Story driven Modeling and Objects first (one session)
Seminar, Fall 2009	Distributed Systems Seminar
Lecture, Spring 2009	Systems Modeling
Seminar, Spring 2009	Distributed Systems Seminar
Lecture, Fall 2008	Software Engineering: Two sessions: Modeling and and Advances in Software Architecture
Seminar, Fall 2008	Distributed Systems Seminar
Seminar, Spring 2008	Software Engineering in Distributed Systems
Lab course, Spring 2008	P2P Grid Software Project / Friend to Friend (F2F)-Computing
Seminar, Spring 2008	Distributed Systems Seminar
Seminar, Fall 2007	Software Engineering in Distributed Systems
Lab course, Fall 2007	Spontaneous Desktop GRID: Friend to Friend (F2F)-Computing
Lecture, Fall 2007	Software Engineering: Two sessions: Modeling and and Advances in Software Architecture
Lab course, Spring 2007	P2P Grid Computing
Lecture, Spring 2007	Software Architecture
Lecture, Winter 2004/2005	Introduction to Computer Science, Programming in Modula 3
Seminar, Winter 2004/2005	Component Based Embedded Systems: Design, Configuration, and Deployment
Lab course, Summer 2004	Tool Support for the eHome Process
Lab course, Winter 2003/2004	Tool support for the Specification of eHome Services
Lecture, Winter 2003/2004	Introduction to Computer Science, Programming in Modula 3
Lab course, Summer 2003	Ubiquitous Computing in eHomes
Seminar, Winter 2002/2003	Ubiquitous Computing
Lecture, Winter 2002/2003	Introduction to Computer Science, Programming in Modula 3
Seminar, Summer 2002	Noblesse Oblige: XML-Schema and other Graph Types - Applications and Extensions of the Graph Rewriting Language PROGRES

Hobbies

Competitive ballroom dancing (standard), salsa, swimming, singing, cooking, cycling

Astana, May 17, 2014

Ulrich Norbistrath