CURRICULUM VITAE

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PRESENT PROFESSIONAL ACTIVITY AND RESPONSABILITIES

Staff contract working in the Internet Services Group	**Since 16. October 2000**
Windows 2000 deployment, Desktop core application deployment Participation in the design of the new Windows 2000 infrastructure and, in particular, involved in the Windows core application deployment and support for NICE 2000. **Backup responsible of CERN Web Services** As backup responsible of the CERN Web Services, I participated in all operational aspects and support of the Web Services infrastructure. During 2002 I was leading the effort of phasing out the legacy Web1 SUN cluster (the legacy primary CERN Web server) and proposed and introduced PHP support on the central Web servers.	
Appointed Section Leader of the Desktop Services Section of IT/IS: The Desktop Services (DS) section of the Internet Services group consists of 14 persons with 9 staff members 5 of which are cat 2 engineers. The responsibilities of the DS section include the CERN Web services and the Windows desktop services for providing Windows users with a consistent and managed operating system environment. The mandate also includes Windows core application lifecycle management.	**since October 2002**
Responsible of CERN Web Services The mandate of the CERN Web Services is to provide the CERN community with a consistent Web environment for creating and managing Web sites, writing transaction applications based on Web forms, accessing data bases and also for exploring, searching and interacting with Web sites. During this time I conducted several major migrations of web sites, ranging from Solaris to SLC3 (in 2002), Windows 2000/IIS5 to Windows Server 2003/IIS6 (in 2005) and SLC3 to SLC4 (in 2007).	**Mar 2003 – Dec 2005** **(since Jan 2006: Backup responsible)**
Responsible for the CERN Search Project Design and implementation of a CERN Search engine based on a commercial solution (FAST ESP) to provide access to a wide range of information (Web Pages, CDS, Indico, Phonebook, etc.)	**since Feb 2006**
Deputy Group Leader of the Internet Services group. The IS group is supporting a range of services comprising the CERN Mail Services, Web Services, Windows Desktop Services, Windows Application services and CERN certification services. Since then, I have actively participated in all management activities of the group, in particular by facilitating the periodic job rotation within the group.	**since January 2008**

Additional activities / achievements:

- **LHC Inauguration "Electronic Guestbook":**
  In October 2008 I designed and implemented the "Electronic Guestbook" application that was very successfully used at the official LHC Inauguration event on October 21st, 2008 by the CERN member states delegates.

- **CPSS - Compact Physics Screen Saver:**
  Usage of spare CPU cycles of desktop PCs for physics calculations (http://cern.ch/cpss). In 2003, I designed and implemented a screensaver called the Compact Physics Screen Saver (CPSS), which makes use of spare CPU cycles of desktop computers for physics calculations. This innovative, distributed computing application was successfully used on several hundred CERN computers during 2004 providing 200 CPU-years of computing power for LHC studies. The system successfully evolved into the LHC@home activity (see http://lhcathome.cern.ch/athome/history.shtml). In 2009, CPSS is still used on about 50 computers at CERN providing a valuable test-bed for various accelerator design studies.

- **C5 Secretary:**
  Since April 2004, I am the secretary of the weekly IT C5 (CERN Computer Centre Coordination Committee) meeting, including the organization of the post-C5 presentations.

- **IT3T - IT Technical Training Tutorials:**
  In collaboration with the CERN Technical Training service I organized the successful IT3T series in 2005 and 2007 (see "IT3T - IT Technical Training Tutorials 2007" and "IT3T - IT Technical Training Tutorials 2005").

- **CERN Web Task Force 2005:**
  I participated in the CERN Web Task Force that was initiated by IT and SG/DSU to analyze the situation of CERN Websites, to define and prioritize aspects that can be considered problematic and to draft scenarios for improvement. A report was be published in March 2006.

- **CHEP 2004 Local organizing committee:**
  The conference took place in September 2004 in Interlaken. Participation in all planning meetings for the conference to provide Web-expertise for various aspects of the conference.

- **Web1 Migration 2002/2003:**
  During 2002/2003 successful migration of legacy Web1 SUN cluster to Linux based AFS gateway. The architecture that I designed for this AFS Web-server is still used for the SLC based servers that are used today by the CERN Web Services.

- **MMMTF and W2KMTF Secretary:**
  From November 2000 until October 2005, I was secretary of the Windows Migration Task Force (W2KMTF) and Mail Migration Task Force (MMMTF).

- **IT Department Web Templates:**
  Web templates for Dreamweaver and FrontPage and related documentation for the IT web site that are used for the IT department since 2004.

- **WPP - Work Package Prototype:**
  Participation in the design and implementation of the "Work Package prototype" web application (http://cern.ch/wpp) that was used during 2 years for the resource planning and allocation within the IT department before the APT application became available.

- **CERN Physics school & CERN Accelerator School – VIP Support:**
  Since 2003 I am providing VIP support for the CERN Physics school and CERN Accelerator School to provide the online application forms for these schools.

EDUCATION FROM SECONDARY LEVEL

Bundesgymnasium in Leibnitz, Austria.	**1976 - 1980**
Technical college (electrical engineering), Höhere Technische Bundes Lehr- und Versuchs-Anstalt, BULME, Graz, Austria.	**1980 - 1985**
Matura, Reifeprüfung	**1985**
Studies of Technical Physics at the Technische Universität of Graz.	**1985 - 1995**
Diploma thesis at the Institut für Theoretische Physik, TU-Graz Supervisor: Prof. Dr. Bernhard Schnizer, Title: Änderung der Knotenzahl von Wellenleitermoden bei Änderung der Höhe und Leitfähigkeit der Berandung. (Change of Nodenumber of Waveguide Modes by Adiabatic Variation of Height and Conductivity of the Boundary.)	**1994 - 1995**
Diploma in physics: Diplom Ingenieur der Technischen Physik (mit ausgezeichnetem Erfolg / summa cum laude)	**January 1995**
Doctoral thesis in the Accelerator Physics group of CERN (SL/AP) Subject of thesis: "3-Dimensional Simulation of Collective Effects in Particle Accelerators" Supervisors: Dr. Bruno Zotter, CERN SL/AP Prof. Dr. Bernhard Schnizer, TU-Graz Final examination in December 1997	**1995 -1997**
PhD in Physics („mit ausgezeichnetem Erfolg" / summa cum laude)	**December 1997**
Fellowship in the User Support group of the Information Technology division at CERN Supervisor: Dr. Miguel Marquina, CERN IT/User Support	**1998 - 2000**

LANGUAGES

German	mother tongue
English	very good knowledge
French	very good knowledge
Spanish, Swedish	basic knowledge

COMPUTER KNOWLEDGE

Programming languages	C/C++, C#, FORTRAN, Java, JavaScript, Perl, Python, TclTk, UNIX shell scripts, VB / VBScript;
Operating systems	UNIX/Linux, Windows 3.1, 95/98, NT/2000/XP/Vista/2003&2008 Server;
Software packages	Dreamweaver/FrontPage, Framemaker/Latex/MS-Word, Standard MS-Software (Excel, PowerPoint etc.), MAFIA, Mathematica, Paw; Autodesk Maya, Gimp/Photoshop
Web Technologies	XML, HTML, CSS, SOAP; .NET

FURTHER TRAINING AND WORK EXPERIENCE

Institute / Company	Dates	Nature of work
Microsoft TechEd Developers 2008, Barcelona	10. 11.-14. 11.2008	Technical Conference
Windows Server 2008 IIS7 Hosting Roadshow, Zurich	04.12.2005	Technical Conference
Microsoft IT Forum 2005, Barcelona	14.11.-18.11.2005	Technical Conference
FAST University, Oslo	05-12. Mai 2005	FAST Search - Technical Training Course
Microsoft Tech Ed 2004, Amsterdam	29. June – 2. July 2004	Technical Conference
.NET Crash Course Microsoft Research, Cambridge	3. - 7. September 2001	.NET Crash Course
Microsoft Tech Ed 2001, Barcelona	2.-6. July 2001	Technical Conference
CERN Accelerator School CAS – Eger	18.09. - 29.09.1995	Intermediate Accelerator Physics
CERN Accelerator School CAS - Baden bei Wien	19.09. - 30.09.1994	General Accelerator Physics
Forschungsinstitut für Alternative Energienutzung und Biomasseverwertung TU - Graz, Austria	from 01.06.1992 to 01.02.1995	Preparing and checking control electronics for biomass heating furnaces on work contract basis
BMW ∗) München, Germany	02.08. - 13.09.1990 04.02. - 22.02.1991	Bringing to work an assembly line (development of the controlling software, testing and maintaining the mechanical and electrical hardware)
ONLINE Computer GmbH Graz, Austria	25.07. - 01.09.1988 10.07. - 31.08.1989	delivering and installing PCs and related tasks
AEG ∗) Ulm, Germany	07.09. - 31.09.1987	Maintenance und updating database files distributed over various computers
Siemens AG ∗) Würzburg , Germany	29.07. - 04.09.1987	Drawing circuit plans for a high speed color offset print system
∗) on lease from: FERCHAU Konstruktion GmbH, D-5270 Gummersbach		

PARTICIPATION AT AND CONTRIBUTIONS TO CONFERENCES

- "A 3-Dimensional Simulation of Collective Effects in Particle Accelerators",
  A. Wagner, B. Zotter, CERN-SL-96-29,
  (Paper and Poster Contribution to the 5th European Particle Accelerator Conference (EPAC '96), Sitges, Spain 10-14 June 1996).

- "Change of Nodenumber of Waveguide Modes by Adiabatic Variation of Height and Conductivity of the Boundary."
  A. Wagner, B. Schnizer, Kleinheubacher Berichte (Contribution to the Kleinheubacher Tagung 30.Sept.-4.Oct.1996, Kleinheubach, Germany).

- "Parasitic Energy Loss in the LEP Superconducting Cavities"
  G. Arduini, O. Bruening, G. Cavallari, P. Gayet, E. Hˑabel, A. Hoffmann, M. Jimenez, O. Meincke, G. Morpurgo, G. Roy, H. Schmickler, J. Uythoven, A. Wagner, B. Zotter (CERN), (Paper and Poster Contribution to the Particle Accelerator Conference (PAC '97), Vancouver, Canada 12-16 May1997).

- "Energy Loss of Proton and Lead Beams in the CERN-SPS"
  J. Arnold, T. Bohl, H. Burkhardt, R. Cornali, K. Cornelis, G. Engelmann, R. Giachino, A. Hofmann, M. Jonker, T. Linnecar, M. Meddahi, L. Normann, E. Shaposhnikova, A. Wagner, B. Zotter (CERN), (Paper and Poster Contribution to the Particle Accelerator Conference (PAC '97), Vancouver, Canada 12-16 May1997).

- "How CERN reacted to the Blaster and Sobig virus attack", Christian Boissat, Alberto Pace, Andreas Wagner, HEPIX at TRIUMF, October 2003

- "CERN Modular Physics Screensaver or Using spare CPU cycles of CERN's Desktop PCs", Eric McIntosh, Andreas Wagner (CERN), (Paper and Poster Contribution to CHEP04, Interlaken, Switzerland, 27th September - 1st October 2004)

- "Using FAST ESP at CERN", FAST Search Summit, Zurich, 9. May 2007

LIST OF PUBLICATIONS

Andreas WAGNER

- "CERN Modular Physics Screensaver or Using spare CPU cycles of CERN's Desktop PCs"
  Eric McIntosh, Andreas Wagner (CERN), CHEP04, Interlaken

- "Generalized Impedances and Wakes in Asymmetric Structures", S. Heifets, A. Wagner, B. Zotter
  (SLAC). SLAC-AP-110, Jan 1998

- "3-Dimensional Simulation of Collective Effects in Particle Accelerators" A.Wagner, Doctoral Thesis,
  Technical UniversityGraz , Austria 1997

- "Longitudinal Impedance of LHC Version-1 Stripline Beam Position Monitors", L.Vos, A. Wagner,
  CERN, LHC Project Report 126, July1997.

- "EnergyLos s of Proton and Lead Beams in the CERN-SPS", J. Arnold, T. Bohl, H. Burkhardt, R.
  Cornali, K. Cornelis, G. Engelmann, R. Giachino, A. Hofmann, M. Jonker, T. Linnecar, M. Meddahi,
  L. Normann, E. Shaposhnikova, A. Wagner, B. Zotter (CERN), CERN-SL-97-37 (AP), (Paper and
  Poster Contribution to the Particle Accelerator Conference (PAC '97), Vancouver, Canada 12-16
  May1997).

- "Parasitic Energy Loss in the LEP Superconducting Cavities", G. Arduini, O. Bruening, G. Cavallari,
  P. Gayet, E. H¨abel, A. Hoffmann, M. Jimenez, O. Meincke, G. Morpurgo, G. Roy, H. Schmickler, J.
  Uythoven, A. Wagner, B. Zotter (CERN), CERN-SL-97-34 (AP), (Paper and Poster Contribution to the
  Particle Accelerator Conference (PAC '97), Vancouver, Canada 12-16 May1997).

- "Change of Nodenumber of Waveguide Modes by Adiabatic Variation of Height and Conductivity of
  the Boundary.", A. Wagner, B. Schnizer, Kleinheubacher Berichte 39(1996) 239-248, Kleinheubach,
  Germany).

- "A 3-Dimensional Simulation of Collective Effects in Particle Accelerators", A. Wagner, B. Zotter,
  CERN-SL-96-29, (Paper and Poster Contribution to the 5th European Particle Accelerator Conference
  (EPAC '96), Sitges, Spain 10-14 June 1996).

- "LEP2 Design Report, Chapter 5: Collective Effects and Beam Stability p.53-60", O. Br¨uning, N.
  Hilleret, A. Hofmann, A. Wagner, B. Zotter, CERN-AC/96-01(LEP2), June 1996.

- "Single-Bunch Intensity Limitations in Low-Emittance Lattices for LEP", G.Sabbi, A.Wagner, CERN
  SL/95-70(AP).

- "Änderung der Knotenzahl von Wellenleitermoden bei Änderung der Höhe und Leitfähigkeit der
  Berandung." A. Wagner, diploma thesis, Jan. 1995, Technische Universität Graz, Austria.

INTERNAL CERN PUBLICATIONS:

- "Analysis of the CERN Web Landscape", March 2006, Web Task Force Report, Rosy Mondardini (IT-DS), Tibor Simko (IT-UDS), Elena Symeonidou (SG-DSU-CO), Andreas Wagner (IT-IS)

- "Document Access by Reference:" User and Administration Guide", A. Wagner, May2000, CERN-IT-US-2000-032
- "Administration Guide for Consult Cookie Mechanism", A. Wagner, May2000, CERN-IT-US-2000-026
- "Consult QA-Edit: User and Administration Guide", A.Wagner, May2000, CERNIT- US-2000-025
- "Conditional HTML Page Contents using Machine Based Identification and Apache - SSI", A. Wagner, April 2000, CERN-IT-US-2000-020
- "Web Publishing of Divisional Documentation - II", Miguel Marquina, Andreas Wagner; Part II of the presentation done at C5 on March 24th, 2000; CERN-ITUS-2000-019
- "User-Oriented Information Yellow-Pages", Miguel Marquina, Bernd Pollermann, Andreas Wagner; March 2000; CERN-IT-US-2000-016
- "Publishing Process for IT Reports", Miguel Marquina, Andreas Wagner; February 2000; CERN-IT-US-2000-013
- "Modularization of the "Questions & Answers" Knowledge Base", Miguel Marquina, Andreas Wagner; February2000; CERN-IT-US-2000-009
- "Web-based Check-In Mechanism for Document Collections", Andreas Wagner, January2000; CERN-IT-US-2000-004 "IT User Documentation, Support for Authors", A. Wagner, C5 presentation of September 3rd, 1999, CERN-IT-US-1999-39
- "Meta-Data for User Documentation Check-In ", A.Wagner, CERN-IT-US-1999-30
- "Checklist for User Documentation Text Processing Systems", A. Wagner, CERNIT- US-1999-24
- "Towards Consistency of IT User Documentation", A. Wagner, C5 presentation of June 18th, 1999, CERN-IT-US-1999-19
- "Information Flow between Remedy and the XFIND Knowledge Base", Miguel Marquina, Bernd Pollermann, Andreas Wagner; CERN-IT-US-1999-18
- "IT Corporate Image in User Documentation", Andreas Wagner, CERN-IT-US-1999-10

- "New wake field and bunch lengthening codes", O. Meincke, A. Wagner, B. Zotter, SL-Note-97-17 (AP).
- "Energy loss of a coasting proton and lead beams in the SPS",T. Bohl, H. Burkhardt, K. Cornelis, R. Giachino, A. Hofmann, T. Linnecar, M. Meddahi, E. Chapochnikova, A. Wagner, B. Zotter SL-MD Note 226, Dec. 1996.
- "Transverse Feedback in LEP", M. Jonker, O. Meincke, R. Olsen, E. Peschard, L. Vos, A. Wagner, SL-MD Note 224, Nov. 1996.
- "High bunch Current", D. Brandt, O. Brüning, O. Brunner, K. Cornelis, A. Ferrari, R. Ginachino, A. Hofmann, G. Morpurgo, E. Perevedentsev, A. Wagner, B.Zotter, SL-MD Note 197, Dec. 1995.
- "Measurements of Beam Breakup in LEP", D. Brandt, R, Jung, G. Morpurgo, E. Peschard, E. Rossa, G. Sabbi, J. Uythoven, A. Wagner, B. Zotter, SL-MD Note 181, Sept. 1995.

INTERNAL CERN PRESENTATIONS:

- "Numerical calculation of quadrupolar (reactive) wake components", presentation at the 8th SPS impedance meeting, 17. December 2008

- **Desktop Forum Presentations:**

  "The CERN Search engine project", June 20th 2006
  "Update on CERN Web Services", February 10th 2005
  "Access to DFS file system from outside CERN" , April 22nd 2004
  "Impact of FTP closure on Web Services authoring from outside CERN", April 22nd 2004
  "Plans for NICE Antivirus scans", January 16th, 2003

- **Post-C5 presentations:**

  "IT/IS Group Presentation" , January 20th 2006
  "Web Services: UNIX Web Services Consolidation ("Web1 Migration")", December 13th 2002

- **NICE User Tutorials / IT Technical Training Tutorials:**

  "Editing Websites with FrontPage 2003", Technical Training Auditorium, 30 June 2005
  "Editing Web Sites with FrontPage 2003", IT Auditorium, 25 May 2004
  "Using Word 2000 and Excel 2000", IT Auditorium, 12. June 2001.

- **Windows Migration Task Force Presentations:**

  "Quick overview of the new Adobe Acrobat Suite", (D. Mamouzi, A. Wagner), May 4, 2004
  "Closure of FTP access and Web site authoring", (A. Wagner), January 27, 2004
  "Tutorial on creating MSI packages using Veritas WinInstall LE", (A. Wagner), December 12, 2000

- **IT/IS Technical Presentations:**

  " Tech-Ed 2008 Summary and Highlights", December 15th 2008
  "TechEd 2004 in Amsterdam: Trip Report", (Ruben Gaspar, Andreas Wagner), 30 August 2004
  "IT Web Site Templates", (Andreas Wagner), 1 Jul 2002
  "New Look and feel for IS web sites", (Andreas Wagner), 22 Apr 2002
  "Web1 Migration Status", (Andreas Wagner), 16 Apr 2002
  "Migration of the Sun Cluster WEB1 to a Linux PC", (Andreas Wagner), 18 Feb 2002
  "IE deployment update", (Christian Boissat, Andreas Wagner), 26 Nov 2001
  "Internet Explorer deployment and patch distribution", (Andreas Wagner), 29 Oct 2001
  "Report from the MS .Net crash course" (Andreas Wagner, Alberto Pace), 17 Sep 2001
  "Proposed Changes in NICE & Web-Services WEB Sites" (Andreas Wagner), 20 Aug 2001
  "News from Teched 01" (Christian Boissat / Andreas Wagner), 16 Jul 2001