

# Resume of Mark Dönszelmann

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## General

Date/Place of Birth	10 October 1964, Amsterdam, The Netherlands
Marital Status	Married
Nationality	Dutch
Languages	Excellent knowledge of Dutch and English. Good knowledge of German. Fair knowledge of French.
Contact Address	see above

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## Academic Qualifications

Master of Science September 1983 to May 1989	University of Technology, Delft, The Netherlands in Electronics Engineering.
Finals September 1977 to June 1983	“Vossius” Gymnasium, Amsterdam, The Netherlands in Mathematics, Physics, Chemistry, Biology, English and Dutch Language.

## Professional Experience

Software Expert	Boğazici University, Istanbul, Turkey
January 2010 until present	<p>Working as a Project Associate in the ATLAS experiment at CERN.</p> <p>The project associateship involves two projects, Operation Task Planner (OTP) and work on the Operation Web.</p> <p>I am in charge of OTP, which is a bookkeeping tool for shifts, expert tasks and service work in ATLAS. People in ATLAS book their shifts and log their service work in OTP. OTP itself consists of an Oracle database keeping data of approximately 800 tasks, a Web interface written in Google Web Toolkit (gwt) to enter and modify all these tasks, and a Business Objects (BO) reporting system to generate monthly reports. Documentation on OTP is all kept in a Wiki, where also weekly reports are generated. I take care of implementing new features in OTP as well as support calls made by people in ATLAS.</p> <p>The work on the Operation Web consists of rewriting most of the web pages in a more streamlined gwt application. This will allow us to re-use all the information which is currently available in the DCS and other information systems in the online of ATLAS. It will eventually also allow us to get up-to-date info of the ATLAS control room streamed to the web. This info is necessary for experts to look at what is happening in ATLAS, without having to log on via the gateway into the ATLAS control room.</p>
Software Developer/Architect	Sonatype, the maven company, California, U.S.A.
October 2009 - December 2009	<p>Worked on the migration and further development of the Native Archive Plugin (NAR) for Maven (a build system in Java) and its sub components. This plugin was first developed by me when I worked at SLAC (see below). Sonatype expressed an interest in further developing it. This plugin handles compilation and linking of native languages under maven.</p>
Software Developer/Architect	Riscure B.V., an independent security test laboratory in Delft, The Netherlands.
January 2007 - September 2009	<p>As a Java architect I maintained and further developed the software for the Inspector testing platform. This software in use in-house at Riscure but also bought and used by customers does both data acquisition as well as analysis of data gathered by security analysts. Inspector was extended with new features such as GPU computing, new types of plots.</p> <p>On top of development of Inspector itself a software process was put in place consisting of a mercurial as software configuration management, maven as build system, mantis as issue tracking system and hudson as continuous integration system.</p> <p>Almost all of the work was done, with the necessary hardware, in a remote location.</p>
Staff	SLAC Computing Services at the Stanford Linear Accelerator Center, California, U.S.A.

May 2002 - December 2007

As a Staff employee of SLAC I work under the direct supervision of Dr. Tony Johnson, in software development group of four people. This group provides analysis and visualization software for SLAC's experimental programs, such as BaBar (B-Physics Experiment), GLAST (Gamma Large Array Space Telescope) and LCD (Linear Collider Detector).

To support our work as a group I am mainly involved in developing tools for visualization (WIRED 4), the protocol for Event Display data exchange (HepRep), the simulation driver for HepRep (Geant4), the implementation of interfaces for data analysis (AIDA), the base library (FreeHEP) and its graphics output library (Vector Graphics). I also maintain most of the infrastructure for our software development, such as the revision control system, the build system, a bug reporting system and a system for continuous integration.

Some of our work has spun off software libraries that are useful for others and have been released by us as Open Source software. I keep these libraries up to date and help others (mainly from outside High Energy Physics) to use it and we reintegrate their improvement which is a benefit to our group.

During the past 5 years our group has welcomed many students to work with us on our software, several of which fell under my direct supervision.

Below a little more information on each of the subjects that I have been working on in particular:

#### Visualization

I completely rewrote WIRED (WWW Interactive Remote Event Display), thereby producing a much more scalable and extendible event display framework. We upgraded from HepRep1 to HepRep2 (High Energy Physics Data Protocol for Event Display) which made interaction between WIRED and its data source a lot easier. WIRED 4 which runs inside the Java Analysis Studio (JAS3) allows the user to display and interact with High Energy Physics events. Picking of tracks and hits and displaying extra information is now all possible.

For the GEANT4 simulation program, used in High Energy Physics and beyond, I wrote visualization output drivers in C++ for both the HepRep1 and HepRep2 formats. For compression I needed the Open Source zipios++ library with quote some changes, which were all contributed back to that project.

As part of our group effort to reach more users, we put together a GEANT4 Tutorial CD, which included two main parts on Analysis with JAS and Visualization with WIRED. The tutorial is available from SLAC and has been run several times as part of the SLAC/GEANT4 program as well as at the 2005 CERN School of Computing.

#### Analysis

For data analysis AIDA (Abstract Interfaces for Data Analysis) provides a standard. I actively took part in defining this standard with others from SLAC, CERN and LAL. Our implementation in Java (JAIDA) was written by others in the group. I built a glue-layer (AIDAJNI) to make the Java AIDA implementation interact with the C++ AIDA implementation (written at CERN/LAL). To make sure the interfaces in Java and C++ were equivalent I built a compiler to derive the interfaces from a generic definition: AID (Abstract Interface Definition).

#### Base Library and Vector Graphics

To support reuse in our own work we set up the FreeHEP Java Libraries in our group. Both WIRED and JAS use this library extensively. The library contains both High Energy Physics parts and more generally useable parts. The latter are used by many people outside HEP, as part of our Open Source

	<p>effort. I worked in particular, with other people mainly from outside HEP, on the Vector Graphics part of FreeHEP. Vector Graphics allows the user to output whatever he draws on the screen in publishing quality vector output formats, such as PostScript (PS), Portable Document Format (PDF), Enhanced Meta File (EMF), Scalable Vector Graphics (SVG) and Macromedia Flash (SWF).</p>
Software Infrastructure	<p>JAS, WIRED and FreeHEP make up some 3000 classes in total for which we initially set up the CVS (Concurrent Versioning System), ANT (a make-like build tool in and for Java) and our in-house scripts for compilation checking and testing. In the past two years I migrated this infrastructure over to SVN (Subversion, the replacement of CVS), Maven, a far more powerful build system than ANT), and a combination of Continuum and CruiseControl, both tools to continually integrate and test the software. On top of these tools we use JIRA, a Bug Tracking, Issue Tracking, &amp; Project Management system. Tony and I share the burden of keeping all these systems in place and up to date.</p> <p>I am using Eclipse (Open Source Integrated Development Environment in Java) as my main working environment for both Java and C++, though all of our software also builds from the command line and runs on the main four platforms (Windows, Linux, MacOS X and Solaris).</p>
Experimental Work	<p>Apart from the regular work in our group I have been experimenting in adding Native code compilation to the Maven tool in the form of the NAR-Plugin (Native Archive Plugin for Maven). The first results on this work have been well received in the our own community but maybe more important also in the Maven developer and user groups.</p> <p>Recently I have invested time in the usage and extension of the Open Source SWIG (Simplified Wrapper and Interface Generator) tool, which would in the first place allow us to generate most or all of the code of AIDAJNI. It could also create a more general bridge between a lot of the High Energy Physics C++ software and our Java Analysis and Visualization software. In particular I have made mockups of MarlinJava (Java interface to Modular Analysis and Reconstruction for the Linear Collider) and G4Java (Java interface to GEANT4). The latter would allow a user to program and run GEANT4 from Java.</p>
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November 2001 - April 2002	<p>While waiting to immigrate to the U.S.A. I worked on the Open Source Vector Graphics package of FreeHEP.</p>
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Staff	<p>ECP and IT divisions of the European Organization for Nuclear Research (CERN), Geneva, Switzerland.</p>
November 1995 - October 2001	<p>As a Staff member of CERN I have been working for Dr.P.Palazzi, Dr.G.Kellner in the IPT group (Information and Programming Technology) and more recently for Dr.J.Knobloch in the API group (Applications for Physics and Infrastructure). Over the past 6 years I worked on the following subjects:</p> <p>AIDA: I participated in the definition of the Abstract Interfaces for Data Analysis, which define a set of generic interfaces in both C++ as well as Java, for Histograms, NTuples, Plotters, Fitters, Functions and other categories. These interfaces are currently supported by JAS (Java Analysis Studio) and Anaphe and may be supported by other analysis frameworks in the future. The AIDA initiative is well supported by the LHC experiments.</p>

- HepRep: The HepRep definition follows the same concept as AIDA, except for HEP Representables for Event Display. The standard is being defined by BaBar-WIRED (SLAC) and ATLAS-WIRED (CERN), and is currently implemented on both sides. It allows physicists to select what data they would like to see and filter it, and it allows event display writers to stick to one standard which could be used by more experiments.
- JACO: To connect Java better to C++ one can use the JNI and a lot of handwritten glue code. JACO, Java Access to C++ Objects, allows for automatic generation of this glue code, by parsing the C++ header files and generating that code. The parser was written-generated by me, while the generator was written by Tony Johnson at SLAC. The project is in a fairly advanced state.
- FreeHEP: is a Java Library of reusable components for HEP and made by HEP. It is an Open Source project of SLAC, SCIPP and CERN to leverage on common Java code produced in the JAS and WIRED projects. AIDA (java), HepRep and JACO are all included in the FreeHEP library.
- WIRED: In January 1996 a project was launched under the name WIRED, which stands for World-Wide Web Interactive Remote Event Display. In collaboration with an Italian and Swedish institute we looked at two things: the applicability of Java in our HEP environment, and the need for showing and interacting with events from HEP experiments across the Internet. I took the roles of project leader and main architect. A prototype of WIRED, running inside a WWW browser, was delivered after half a year.
- Over time the Java language has improved and so has the WIRED project. Today WIRED is a framework for experiments to build their event displays. It is integrated with JAS (Java Analysis Studio) so that physicists can use one interactive tool to do physics analysis, plot histograms and look at events. Several experiments at CERN and outside have joined the project and are either using WIRED (BaBar and CHORUS) or seriously looking into using it (ATLAS, LHCb).
- WIRED event displays have also proven to be useful to explain High Energy Physics to the general public. Both CERN, in its traveling exhibition and MicroCosm, and RAL, during its open days, have displays set up. CERN has also recently released a CD-ROM which included WIRED.
- Apart from 3D event displays WIRED also provides useful projections, such as a fish-eye, rho-Z and V-plots, which provide special views to get a better understanding of some of the more complicated events.
- The collaboration of WIRED and JAS has spun off the FreeHEP library. Both projects are Open Source, which means that people from outside can use the code, but also contribute to it. The organization of the WIRED project is in my hands. Over time many students, among them summer students, technical students and graduate students from different universities, have worked on the WIRED project under my supervision. Also many people from different institutes are collaborators in the WIRED project.
- Java Installation at CERN: To properly support Java for the WIRED and FreeHEP project and for the GRID initiatives at CERN, Wolfgang Hoesche and I keep a full Java installation and library repository up to date for both the Unix and Windows machines. This work is a continuation of an earlier initiative by the Java Study Group. The installation is also in use by several other groups and experiments.
- Teaching, Technology Transfer and 3rd level Java support: The work in Java on the WIRED project led to some activities. One is consulting to the LHC Computing Workshops, to the experiments as well as to the Java Study Group. The latter group tries to boost the use of Java within CERN by providing software installations and libraries as well as tutorials on Java subjects.

The other is in the form of technology transfer and teaching. I have been lecturing at the CERN School of Computing, in 1995, 1997, 1998 and 1999, on subjects ranging from Information Systems, XML, CORBA and Java to Mobile Agent Technology, a subject which is likely to come back within the Datagrid initiatives. I participated as lecturer and organizer in the WebCast of the 1999 CERN School of Computing, which was a big success. Several short courses in different subjects were given by me in the Summer Student Software Labs in 1997, 1998 and 1999.

Miscellaneous: I am currently participating in the Windows 2000 Migration Task Force as a representative of the IT/API group. I also contribute to the W3C meetings at CERN which mainly focus today on XML issues.

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Associate	Electronics and Computing for Physics division of the European Organization for Nuclear Research (CERN), Geneva, Switzerland.
April 1995 - October 1995	Under supervision of R.Cailliau and Dr.P.Palazzi I worked in the programming Technology group of ECP. The work consisted of supporting the WWW server for CERN and the Experiments and doing research in the field of connecting existing databases and information systems to the World-Wide Web. F.Tenneboe, technical student under my supervision, created EDWIN (Event Display with WWW Interface) in which physics events can be shown via World Wide Web. This form based event display had a certain level of interactivity (zoom, rotation and panning).
WWW Building Interface:	A graphics drawing package and a coordinate database was used by me to create a WWW interface to the map of buildings (500) at the CERN sites.
CSC:	I organized a track of the CERN School of Computing '95 in Arles, France, where I presented together with B.Rousseau and H.Lie lectures and tutorials on WWW for Physics.

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EU Fellow	Electronics and Computing for Physics division of the European Organization for Nuclear Research (CERN), Geneva, Switzerland.
October 1994 - March 1995	The EU sponsored my fellowship at CERN for half a year. I worked on the WISE project, outside CERN. This project establishes WWW servers for small enterprises in countries in Europe where Internet connections are still rare and expensive. The project was under supervision of R.Cailliau.

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Fellow	Electronics and Computing for Physics division of the European Organization for Nuclear Research (CERN), Geneva, Switzerland.
January 1992 - September 1994	<p>Communication Systems and GUIs: As a Fellow, working for Dr.Ph.Gavillet, I designed an event driven communication system (DIM) together with C.Gaspar, who subsequently implemented it. This system was needed for DUI, the Delphi User Interface, a configurable Motif based interface for the DELPHI Online Data Acquisition and Slow Control System. I designed and implemented almost all of this system, using C, UIL and DIM.</p> <p>I then redesigned the communication system, which DELPHI used to have with LEP, to make it conform to the DUI and DIM standards.</p> <p>WWW Server: As a separate project I worked on the setup of DELPHI's World-Wide Web (WWW) server, for which I first ported the CERN-WWW server to OpenVMS. This server is now also in use by other VMS machines in the rest of the world. A converter was built to convert SDML (Digital's</p>

version of SGML) into HTML by D.Chardon, a Technical Student under my guidance.

WWW Gateway: As part of the integration of DELPHI into WWW I have set up a HIPE (Slow Control User Interface) to WWW gateway as well as a DIM to WWW gateway. Both were designed by me, but the latter was implemented by K.Rodden, a summer student under my supervision.

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Research Associate  
June 1989 - December 1991

High Energy Physics Department of the “Nationaal Instituut voor Kern- en Hogere Energie Fysica” (NIKHEF-H), Amsterdam, The Netherlands.

DELPHI Inner Detector: After my studies I started working, under supervision of Dr.J.Timmermans and Dr.Z.Hajduk, for the Inner Detector Group of the DELPHI experiment on the Large Electron Positron Collider (LEP at CERN). For this group I was in charge of the Slow Control software (VMS machines). I also participated in setting up the Data Acquisition Software and was responsible for maintenance and monitoring of the Inner Detector during data taking.

Slow Controls User Interface: During this time I created a configurable user interface (HIPE) for the Slow Controls, which was eventually used by most of the other sub-detectors of DELPHI.

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Laboratory Assistant  
September 1987 - April 1989

Electronics Department of the University of Technology, Delft, The Netherlands.

Teaching and Network Installation: As a laboratory assistant I guided 3rd year students through their ‘Digital Electronics Practical Work’. I also renovated this course substantially by introducing and installing a Novell PC network. I worked in the Electronics Department under direct supervision of Mr. Koolhaas.

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Summer Job  
June 1987 - September 1987

Physics Department of the University of Amsterdam, Amsterdam, The Netherlands.

Data Acquisition: At the Physics Department I designed read-out electronics and wrote IBM-PC software (in PASCAL) to read out a tube-digitizer. I worked under supervision of A.Wassink.

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Summer Student  
June 1986 - August 1986

Experimental Physics division of the European Organization for Nuclear Research (CERN), Geneva, Switzerland.

Communication Software: During this time I worked for B.van Koningsveld on communication software for an IBM-PC computer to down-load Eprom-able code from a mainframe (MVS machine) into an EPROM-Programmer.

## Participation in Schools, Conferences and Courses

Conference	Computing in High Energy Physics (CHEP'07), Victoria, British Columbia, Canada.
2 - 7 September 2007	Poster on "Maven - A Build Tool for Java and Native Code Projects".
Tutoring	CERN School of Computing 2005, Saint Malo, France.
4 - 17 September 2005	Data Analysis and Visualization in the Physics Computing track.
Conference	Computing in High Energy Physics (CHEP'04), Interlaken, Switzerland.
27 September - 1 October 2004	Presented talk on WIRED 4.
Conference	Computing in High Energy Physics (CHEP'03), La Jolla, California.
24-28 March 2003	Presented talk on FreeHEP.
Workshop	Geant4 Space Users' Workshop 2003, ESTEC, Noordwijk, The Netherlands.
20-22 January 2003	Presented tutorial on Geant4 Visualization and Analysis Systems.
Tutoring	CERN School of Computing 2001, Santander, Spain.
16-29 September 2001	Presented the "WIRED and JAS" lectures of the "High Throughput Distributed Systems" track, together with Tony Johnson from SLAC. Also included were three afternoons of exercises using a distributed version of JAS (Java Analysis Studio).
Workshop	HEPVis'01 workshop on visualisation and interactive data manipulation - Boston, U.S.A.
2-5 May 2001	Presented "WIRED 2 - WWW Interactive Remote Event Display".
Workshop	Orsay, Paris, France.
5-7 February 2001	Participated and organized AIDA (Abstract Interfaces for Data Analysis) Mini-Workshop.
Workshop	Orsay, Paris, France.
17-18 October 2000	Participated in GEANT4 workshop.
Training	CERN, Geneva, Switzerland.
May 2000	Followed courses "Introduction to Databases" and "Advanced Databases".
Conference	Computing in High Energy Physics 2000, Padova, Italy.
7-11 February 2000	Presented talk on "WIRED" and two posters one on the "CERN Building and Map Interface via WWW and on the Palm" and the other on the "Java Infrastructure in the CERN Software Repositories".
Tutoring	Ecole Générale d'Informatique, Lyon, France.
22-26 November 1999	Presented "Agents in Java", "WIRED" and a set of exercises (reuse of CSC'99).



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Training 18-20 October 1999	CERN, Geneva, Switzerland. Followed course “Goal Directed Project Management Course”.
Tutoring 12-15 September 1999	CERN School of Computing ‘99, Stare Jablonki, Poland. Presented “Agents in Java”, “WIRED” and a set of exercises.
Workshop 6-9 September 1999	HEPVis'99: Fourth workshop on visualization techniques for High Energy and Nuclear Physics - Orsay, France. Presented different topics of “WIRED”.
Tutoring 2-6 August 1999	Summer Students Software Lab, CERN, 1999. Presented “Java Computing Using Mobile Agent Technology”.
Training 26-28 January 1999	CERN, Geneva, Switzerland. Followed course “Objects 9000: Requirements Engineering”.
Training 3-6 November 1998	CERN, Geneva, Switzerland. Followed course “Software Configuration Management”.
Tutoring 6-19 September 1998	CERN School of Computing ‘98, Madeira, Portugal. Presented “Agents: Mobile Agents in Java” and a set of exercises. I also organized together with two colleagues the WebCast of one of the tracks in the CSC.
Tutoring 10 -14 August 1998	Summer Students Software Lab, CERN, 1998. Presented “Java Computing Using Mobile Agent Technology”.
Workshop 18-20 March 1998	2nd LHC Computing Workshop, Barcelona, Spain. Presented “ComponentWare in Java”.
Workshop 28-30 January 1998	HEPVis'98: HEP Visualization and Data Analysis Workshop, SLAC, Stanford, California, USA. Presented “WIRED”.
Tutoring 17-30 August 1997	CERN School of Computing'97, Pruhonice, Czech Republic. Presented “Programming Information Systems” and a Java Tutorial in the track “Information Systems for Physics Experiments”.
Tutoring 21 July-1 August 1997	Summer Students Software Lab, CERN, 1997. Presented Java Tutorial.
Training 15-20 June 1997	Certosa di Pontignano, Sienna, Italy. School on “Distributed Algorithms and Fault Tolerance”.
Conference 7-11 April 1997	Computing in High Energy Physics'97, Berlin, Germany. Presented talk on “WIRED - World-Wide Web Interactive Remote Event Display”.
Computing Seminar 30 October 1996	CERN, Geneva, Switzerland. Presented talk on “WIRED - World-Wide Web Interactive Remote Event Display”.

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Conference 23-27 September 1996	Queen Elizabeth II Conference Centre, London, England. Attended "Object Expo Europe and Java Expo".
Computing Seminar 28 August 1996	SLAC, Stanford, California, U.S.A. Presented talk on "WIRED - World-Wide Web Interactive Remote Event Display".
Workshop 18 August 1996	Dynamic Meta Computing, CERN, Geneva, Switzerland. Presented talk on "WIRED - World-Wide Web Interactive Remote Event Display".
Computing Seminar 7 February 1996	CERN, Geneva, Switzerland. Presented talk on "World-Wide Web for High Energy Physics Experiments".
Exhibition 24-28 September 1995	Toulouse, France. SITEF'95, CERN/WWW Stand.
Conference 18-22 September 1995	Computing in High Energy Physics'95, Rio de Janeiro, Brazil. Presented talk on "Advanced Use of World-Wide Web in the 'Online' System of DELPHI (CERN)".
Tutoring 20 August - 2 September 1995	CERN School of Computing'95, Arles, France. Presented tutorial "Interfacing to the World-Wide Web" in the track "WWW for Physics", including a set of exercises.
Invited Talk 16 June 1995	CERN, Geneva, Switzerland. Presented "World-Wide Web" for Swedish Highschool Teachers.
Training 15-17 May 1995	CERN, Geneva, Switzerland. Followed Course in "ESA Software engineering standards".
Tutoring 2-5 May 1995	CERN, Geneva, Switzerland. Presented tutorial on "Navigating the CERN World-Wide Web".
Training 3-4 April 1995	CERN, Geneva, Switzerland. Followed "PERL 5, Advanced course".
Invited Talk at Conference 31 March 1995	Computer and Information Networks in the Multimedia Age, Ecole Polytechnique Federale de Lausanne, Switzerland. Presented talk on "World-Wide Web Interfacing".
Exhibition 8-9 March 1995	CERN, Geneva, Switzerland. Assisted at the "CERN World-Wide Web Mediadays".
Exhibition 24-26 February 1995	G-7 Conference on Information Society, Espace Leopold, Brussels, Belgium. Assisted and organised the "WWW Cafe" stand.
Conference 17-20 October 1994	Second International World-Wide Web Conference, Chicago, U.S.A. Presented talk on "Gateways for World-Wide Web in the 'Online' Data Acquisition System of the DELPHI Experiment at CERN".

Conference 25-27 May 1994	CERN, Geneva, Switzerland. Attended the “First International World-Wide Web Conference”.
Invited Talk 5 April 1994	Bogaziçi University, Istanbul, Turkey. Presented talk on ‘Introduction to World-Wide Web’.
Invited Talk & Committee 14-17 March 1994	‘I Cappuccini’, San Miniato, Tuscany, Italy. Presented talk on “The use of World-Wide Web for High Energy Physics, A Status Report” at the “First Topical Seminar on WORLD WIDE WEB and beyond for Physics Research and Applications”. Also member of the International Advisory Committee.
Invited Talk 4 March 1994	LPNHE Universités Paris VI et VII, France. Presented talk on “World-Wide Web for High Energy Physics”.
Conference 18-22 October 1993	International Conference on Accelerator and Large Experimental Physics Control Systems (ICALEPCS'93), Berlin, Germany. Presented poster on “The DELPHI distributed information system for exchanging LEP machine related information”.
Committee December 1993	Washington D.C., U.S.A. Member of the Programme Committee of the “International Motif User Conference”.
Conference 1-3 December 1992	International Motif User Conference, Washington D.C., U.S.A. Presented talk on “A Configurable Motif Interface for the DELPHI Experiment at LEP”.
Training 23-26 November 1992	CERN, Geneva, Switzerland. Followed course in “Building Object Oriented systems with C++”.
Conference 13-18 January 1992	L’Agelonde France-Telecom, France. Attended the “Second International Workshop on Software Engineering, Artificial Intelligence and Expert Systems in High Energy and Nuclear Physics”.
Training 23 August - 2 September 1991	Ystad, Sweden. Attended the CERN School of Computing 1991.

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## List of Publications

M.Dönszelmann	WIRED 4 - A generic Event Display Plugin for JAS 3 Proceedings of Computing in High Energy Physics 2004.
M.Dönszelmann and A.S.Johnson	Distributed Analysis with Java Analysis Studio Proceedings of the CERN School of Computing 2001, Santander, Spain.
M.Dönszelmann and A.S.Johnson	WIRED - WWW Interactive Remote Event Display Proceedings of the CERN School of Computing 2001, Santander, Spain.

- G.Barrand et al. Abstract Interfaces for Data Analysis - Component Architecture for Data Analysis Tools  
To be published in Computer Physics Communications, 2001.  
Proceedings of Computing in High Energy Physics 2001, September 2001, Beijing, China.
- G.Alverson et al. Summary of the HEPVis'01 Workshop  
Proceedings of Computing in High Energy Physics 2001, September 2001, Beijing, China.
- A.Ballaminut et al. WIRED - World-Wide Web Interactive Remote Event Display  
Computer Physics Communications 140 (2001) 266-273.
- M.Dönszelmann CERN Building and Map Interface via WWW and on the Palm  
Proceedings of Computing in High Energy Physics 2000 (513-518),  
February 7-11, 2000, Padova, Italy.
- P.Charpentier et al. DIM, a Portable and Efficient Package for Information Publishing, Data Transfer and Interprocess Communications  
Computer Physics Communications 140 (2001) 102-109.
- J.Gillies and R.Jacobsson Particle Physics - a keyhole to the birth of Time  
Particle Physics Education CD-ROM, CERN, 2000.  
This CD includes a special copy of WIRED to interactively view events.
- M.Dönszelmann Agents in Java  
Proceedings of the CERN School of Computing 1999, September 12-15, 1999, Stare Jablonki, Poland, CERN-2000-001 (97-99).
- M.Dönszelmann Agents: Mobile Agents in Java  
Proceedings of the CERN School of Computing 1998, September 6-19, 1998, Madeira, Portugal, CERN-98-08 (115-117).
- M.C.Coperchio et al. WIRED - World-Wide Web Interactive Remote Event Display  
Computer Physics Communications, 110 (1-3) (1998) pp. 155-159.
- M.Dönszelmann Information systems for physics experiments  
Proceedings of the CERN School of Computing 1997, August 17-30, 1997, Pruhonice, Prague, Czech Republic, CERN-97-08 (35-36).
- M.Dönszelmann et al. WIRED - World-Wide Web Interactive Remote Event Display  
Proceedings of HEPVis'96, 2-4 September, 1996, CERN Geneva Switzerland, CERN-97-01 (67-68).
- P.Abreu et al. Performance of the DELPHI detector  
DELPHI Collaboration, Nucl. Instr. and Meth. A378 (1996) 57-100.
- V.Bocci et al. Architecture and Performance of the DELPHI Trigger System  
Nucl. Instrum. Methods Phys. Res., A : 362 (1995) 361-385.

- M.Dönszelmann et al.      Advanced Use of World-Wide Web in the ‘Online’ System of DELPHI (CERN)  
 Proceeding of Computing in High Energy Physics 1995 (553-561),  
 September 18-22, 1995, Rio de Janeiro, Brazil.
- M.Dönszelmann      Interfacing to the World-Wide Web  
 Proceedings of the CERN School of Computing 1995, August 20 -  
 September 2, 1995, Arles, France, CERN-95-05 (295-306).
- M.Dönszelmann and K.Rodden      Gateways for World-Wide Web in the ‘Online’ Data Acquisition System of  
 the DELPHI Experiment at CERN  
 Advance Proceedings of the Second International WWW Conference '94  
 “Mosaic and the Web” Volume 2, 985—992, October 17 - 20, Chicago,  
 U.S.A.
- V.Bocci et al.      Basic concepts and architectural details of the Delphi trigger system  
 Submitted to IEEE Trans. Nucl. Science (1994).
- R.Cailliau et al.      The use of World-Wide Web in HEP  
 Proceedings of the Conference on Computing in High Energy Physics'94,  
 21 - 27 April 1994, San Francisco CA, U.S.A. 394—401.
- M.Dönszelmann      World-Wide Web and High Energy Physics Experiments, A status Report  
 Int. Jour. of Mod. Phys. C - Physics and Computers Vol. 5 No. 5 (1994) 755  
 —764.
- M.Dönszelmann and C.Gaspar      The DELPHI distributed information system for exchanging LEP machine  
 related information  
 Nucl. Instr. and Methods in Physics Research A 352 (1994) 280—282.
- T.J.Adye et al.      The Design and Operation of the Slow Controls for the DELPHI  
 Experiment at LEP  
 Nucl. Instr. and Methods in Physics Research A 349 (1994) 160—182.
- C.Gaspar and M.Dönszelmann      DIM A Distributed Information Management System for the DELPHI  
 Experiment at CERN  
 Proceedings of the IEEE 8th Conference on Real-Time Computer  
 Applications in Nuclear, Particle and Plasma Physics, June 8-11, 1993,  
 Vancouver, Canada.
- M.Dönszelmann et al.      A Configurable Motif Interface for the DELPHI Experiment at LEP  
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