



SCHLOSS DAGSTUHL

INTERNATIONAL CONFERENCE
AND RESEARCH CENTER FOR
COMPUTER SCIENCE

Schloss Dagstuhl Office

Annual Report

January – December 1999



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The International Conference and Research Center for Computer Science is a non-profit organization. It regularly hosts scientific seminars and workshops which are proposed by the organizers and approved by the Scientific Directorate and in which participation is enabled by way of personal invitation only.

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Technical University of Darmstadt
University of Frankfurt
University of Kaiserslautern
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Schloss Dagstuhl: Manor house (1760), tower (1910)

1. The International Conference and Research Center for Computer Science in Schloss Dagstuhl

1.1. Stimulating Exchanges in Relaxed Surroundings

In 1999 the International Conference and Research Center for Computer Science in Schloss Dagstuhl celebrated its 10th anniversary. Since its founding in 1990, the objective of the Center is to promote world-class research in computer science, support leading-edge continuing education, and promote the exchange of knowledge and findings between academia and industry.

It hosts research seminars at which promising young research scientists are afforded the opportunity of discussing their views and research findings with the international elite of their field in a specific cutting-edge field of computer science. The seminars enable new ideas to be showcased, topical problems to be discussed and the course to be set for future development in this field.

A proposal is submitted for a seminar by a small group of scientists of international standing in the respective field. The Scientific Directorate is responsible for approving the proposals and the participant lists. Participation in a seminar is only possible by way of personal invitation by the Center. The researchers invited to a seminar are asked to contribute from their latest research and findings.

The seminars generally last one week. The Center assumes part of the associated costs and organizes traveling funds in order to enable young people or scientists from countries with low foreign currency reserves to participate.

Schloss Dagstuhl is also a research center, which means that it consists of more than just conference rooms and accommodation. Various lounges and working areas are also featured which invite the visitors to get together in small groups outside of the official conference offerings for talking one on one or for doing work in the research library or at the Center's computing equipment.

The Center has three lecture halls, several conference rooms, two computing equipment rooms, a spacious research library and 60 accommodation units — singles for the most part but also a couple of doubles and three studio apartments. The Center commenced

operation in its present facilities at Schloss Dagstuhl in the summer of 1990, having achieved its final size in 1995 by virtue of the construction of the new building.

Every year Dagstuhl Seminars are booked at the Center for 30 to 35 weeks of the year which are attended by ca. 40 participants each. Gatherings of smaller workgroups are hosted in parallel to the seminars. The facilities are available for other computer science conferences and events during the weeks when they are not being used for Dagstuhl Seminars. In addition, individuals are accommodated for research stays lasting one to several weeks. There is only one condition which is applicable to all the offerings: They have to be related to computer science

1.2. In the Heart of Europe

Schloss Dagstuhl is located in the charming countryside of northern Saarland, in the tri-country region formed by Germany, France and Luxembourg. As they say, location is everything, which is why Schloss Dagstuhl offers a host of possibilities for “getting up close and personal” with nature. Yet Schloss Dagstuhl is also conveniently located, as it is near the Saarbrücken-Trier-Koblenz-Bonn and Kaiserslautern-Trier autobahns, meaning it can be easily reached from Saarbrücken, Trier and Kaiserslautern in less than an hour.

Dagstuhl can be reached by train in two hours from the Frankfurt Airport by virtue of the new express train connection. Visitors traveling to Dagstuhl by train have to get off at Neubrücke or St. Wendel. A regular RSW bus connection is offered from the St. Wendel train station to Wadern, where the Center is located. On week days, the bus runs every hour, with service being offered every two hours on Sundays. A makeshift stop is offered directly at Schloss Dagstuhl on Sunday afternoons, the time during which the seminar participants arrive. The bus schedule is now partially coordinated with the train connections of importance to the Center. However, an hour's wait or more has to be reckoned with when departing from the train station in St. Wendel on Sunday mornings.

The visitor can also fly in to the Saarbrücken-Ensheim, Luxembourg Airports and Hahn Airport (north of Trier), however this option is frequently not very favorable owing to the poor choice of international connections and extended taxi drives.

1.3. Supervised by Seven Universities in Concert with the GI

The International Conference and Research Center for Computer Science is operated by a non-profit organization whose associates are the Gesellschaft for Informatik (German computer science professional association, GI), of Bonn, the Saarland University, the Technical University of Darmstadt and the Universities of Frankfurt, Kaiserslautern, Karlsruhe, Stuttgart and Trier. The Center is funded by the state governments of Saarland and Rhineland Palatinate.

1.4. Statutory Bodies

The **Scientific Directorate** is responsible for the program. It reviews the applications for the Dagstuhl Seminars and decides whether they are to be approved. It reserves the right to pass on the individuals included in the participant group. It makes suggestions concerning events when individual computer science fields are not well represented.

The Scientific Directorate is comprised of one computer science professor each from the founding Universities of Saarland, Kaiserslautern and Karlsruhe, a total of two computer science professors from the Universities of Darmstadt, Frankfurt, Stuttgart and Trier, and four delegates of the GI's Executive Board. Of these individuals, two are nominated by a GI Advisory Board of university professors.

Thus, the Scientific Directorate is made up of a total of nine members. A Scientific Director is elected from its membership. The members and the scientific director hold office for three years.

The **Supervisory Board** is responsible for ensuring that management complies with the Center's objectives in a legal, meaningful and economical manner. It is involved in all essential matters pertaining to research and financial planning.

It is composed of four representatives of the Gesellschaft für Informatik (GI), one representative each of the three founding universities, two representatives of the universities who subsequently joined, and one representative each of the state governments who fund the Center. The members of the Supervisory Board hold office for four full fiscal years.

The Supervisory Board convenes meetings of the Scientific Directorate. It may establish a Scientific Advisory Board and a board of trustees.

1.5. Support from Many Sides

Already from its inception the Center has been supported in a variety of ways by corporations, publishing houses, institutions and scientists.

- *The library:*

The major portion of support goes to the Computer Science Research Library, which received initial financing from the Volkswagen Foundation during the first five years.

During 1999, the Center received regular book donations from the following publishers:

- ◇ dpunkt-Verlag für digitale Technologie
- ◇ O'Reilly & Associates Inc.
- ◇ Springer-Verlag
- ◇ Teubner-Verlag
- ◇ vdf Hochschulverlag
- ◇ Vieweg

Individual donations came from the following publishers: Addison-Wesley-Longman, deGruyter, DUV, Elsevier, Kluwer und Wiley.

Dagstuhl also regularly receives book donations from seminar participants. The Center is grateful for donations of author's copies, particularly of major works which are out of print.

In total, the Center received 577 volumes during the year under review in the form of donations from publishing houses and seminar participants.

- *EU funding:*

During 1999, 8 Dagstuhl Seminars received funding from the European Union, with another event recognized as a TMR Euroconference receiving funding from the EU's TMR program (TMR = *Training and Mobility of Young Researchers*) and two events receiving funding from the new HLSC FP5 program (*High Level Scientific Conferences*). For 2000, HLSC funding has been applied and approved for an additional 7 seminars. For an individual event

this means that 5 to 10 young European scientists and 3 to 4 speakers can be invited. In addition, participants from Eastern Europe can be invited via the INCO program (INCO = International Cooperation, i.e. *RTD Cooperation with third countries and international organizations*).

EU funding has become a mainstay for promoting the up-and-coming generation of computer scientists at Dagstuhl. The quality of the events receiving funding was assessed as being extremely high by the scientists and the participants surveyed in 1998.

- *DFG funding:*

A small group of persons from the countries of Central Europe and the new independent states of the former Soviet Union are eligible for receiving special travel grants from the German Department for Foreign Affairs via the Deutsche Forschungsgemeinschaft (DFG, German equivalent of the U.S. National Science Foundation). In 1999 this pertained to two seminars. However, funding extends to daily subsistence allowances and covers traveling expenses for CIS participants.

- *Art:*

Paintings from exhibits were purchased using funds donated by the state bank of Rhineland-Palatinate-Saarland and Saarland Sporttoto GmbH (soccer pools and lottery company) and donations made by participants and visitors (cf. section 3.7).

Dagstuhl's Web site contains a page featuring an Internet gallery enabling participants, individuals and groups to make contributions to Dagstuhl for art donations. The works of art are featured in the Internet, with donations being made by acquiring shares. As soon as a painting is fully subscribed for, the donors are asked to pay in the value of the shares subscribed to by them, this enabling the art item to be purchased.

This procedure provides an incentive for the donors as they are not only mentioned in Dagstuhl's Internet gallery but are also mentioned on the art item itself. It is also beneficial to the Center as the Center is able to purchase works of art from the artists arranging exhibits there. Dagstuhl's initial art collection was formed by three paintings from artists who individually organized art exhibits there.

We would like to take this opportunity to thank all those who made art donations.

1.6. Schloss Dagstuhl Foundation

A foundation was organized as the financing regulations imposed on the Center by public funding did not allow for much leeway in the Center's economic planning. Thus, it is now possible to react flexibly to unforeseen challenges and support scientists who would otherwise not be able to participate because they cannot afford the traveling expenses.

Schloss Dagstuhl Computer Science Center Foundation

1. The International Conference and Research Center for Computer Science has established a foundation in the form of a special fund. The sole purpose of the Foundation is to promote the Center's objectives as stated in these Articles of Incorporation, in particular by providing funding for the promotion of young scientists, e.g. by offering grants for participation in the seminars organized by the Center, for research stays in Schloss Dagstuhl or for temporary projects, as well as providing funding for the Center's Computer Science Research Library from income generated by the Foundation's assets and from donations and contributions of third parties earmarked for this purpose.
2. The Foundation Committee passes resolutions by common consent concerning matters pertaining to the Foundation, in particular concerning the awarding of funding. The Foundation Committee consists of the Chairman of the Supervisory Board, the Scientific Directorate and the Technical/Administrative Director.
3. The Center's management committee is charged with the task of canvassing for donations and contributions for the purpose of securing the financial prerequisites of the Foundation as specified in sections 1 and 2 above. The Foundation's assets are to amount to no less than DM 1 million.
4. The Foundation Committee reports annually to the Associates and the Supervisory Board concerning the appropriation of funds and the status of the Foundation's assets.

Dagstuhl can be supported via the Foundation in various manners:

- *Contributing member, individual membership*

The Foundation's contributing members are the exclusive recipients of an annual scientific publication detailing the results and findings of the Dagstuhl Seminars (*Dagstuhl News*), in addition to this Annual Report including the program of the Dagstuhl Seminars and other events hosted at the Center.

Minimum annual membership fee: DM 120.

- *Contributing member, corporate/institutional membership*

Minimum annual membership fee: DM 1200 for educational institutions, DM 2400 for corporate and other members.

- *Sponsoring of individual events*

Dagstuhl has proven an invaluable forum for industry players as it provides a common turf for meeting with researchers. This means that researchers become acquainted with new requirements and developments in industry, with the latest scientific findings and results being conveyed to industry players. Companies can show their appreciation of the Dagstuhl concept and share in the Center's renown by sponsoring entire seminars. Participants from industry pay the same nominal seminar fee as those from academia, consequently a suitable possibility was long sought for enabling corporations to contribute financially to the seminars. Companies can show their appreciation of the Dagstuhl concept and the Center's work by contributing to the Dagstuhl Foundation or sponsoring individual Dagstuhl Seminars. The widespread positive response to the Dagstuhl Seminars is proof of their high renown. Companies sponsoring Dagstuhl Seminars are afforded the opportunity of sharing in this renown.

Industrial sponsorship was arranged for two events during the year under review: The seminar Software Engineering Research and Education: Seeking a New Agenda (4 – 19 February 1999) was sponsored by sd&m (Munich). For 2000 sponsorship has been announced for 3 seminars. Sizable contributions are given honorable mention via the Internet and other media (<http://www.dagstuhl.de/DATA/Seminars/99/#99071>).

- *Corporate donations*

The Foundation is still dependent on the generous contributions and donations of companies, as the Foundation's assets have not yet reached the level as provided for in section 3 of the Articles of Incorporation.

The Dagstuhl Foundation is recognized by the German tax authorities as a non-profit organization, meaning that contributions and donations are tax-deductible. For more information, please refer to <http://www.dagstuhl.de/DEU/Sponsoring/>.

2. Topics and Participants

2.1. Internationally Established: The Dagstuhl Seminars

The Center engages in the active promotion of research primarily by hosting the Dagstuhl research seminars. They are accorded the highest priority when it comes to scheduling and funding. The Dagstuhl Seminar program is to be found in the Annex. It is regularly published in *Informatik-Spektrum* and on Dagstuhl's Web site.

A wide range of topics are covered:

Topics	1999	2000
Algorithms, Complexity	8	4
Semantics, Verification, Logic	4	6
Graphics, Visualization, Image Processing	2	3
Software Engineering	6	1
Databases, Information Retrieval, Web	4	1
Architecture, Networks, VLSI	2	2
Heuristic Methods, Artificial Intelligence, Learning	3	3
Programming Languages, Translator Construction	3	4
Mathematics	1	3
Applications, Interdisciplinary Topics	1	9

2.2. Other Events: A Wide Spectrum of Topics

Other events are hosted at the Center apart from the Dagstuhl Seminars. In contrast to the seminars, a fee covering the costs of the event is charged to the guests of the institution organizing the event.

The GI's German Computer Science Academy (DIA) conducts continuing education events. Peer reviews and conferences of the DFG's collaborative research centers take place, graduate colleges and other research groups meet to present papers and exchange ideas. ESPRIT projects also meet at the Center. Priority programs of the DFG are prepared and subjected to peer review in Dagstuhl. In addition, computer science teachers from Saarland receive ongoing education and training.

Increasing numbers of people also take advantage of Dagstuhl's offering of using the Center for research stays.

2.3. The Center: Booked Up for the Most Part

The following table indicates the distribution according to various event types.

Event types	1990	1991	1992	1993	1994	1995
Dagstuhl Seminars	4	23	25	27	25	28
Seminars of the German Computer Science Academy (DIA)		4	4	4	4	8
Other Events	3	15	14	18	15	16
Research stays *					1	2

Event types	1996	1997	1998	1999	2000	2001**
Dagstuhl Seminars	30	35	31	33	34	20
Seminars of the German Computer Science Academy (DIA)	8	6	8	8	9	-
Other Events	21	24	24	26	31	1
Research stays *	1	7	22	13	4	-

* Individuals **Scheduled

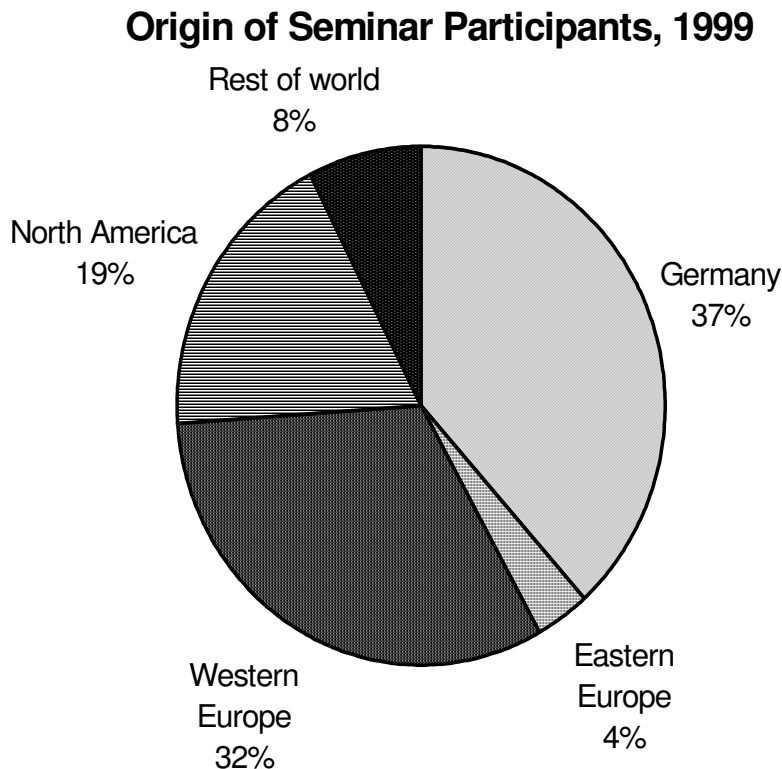
For more particulars on the various events, please refer to the Annex. Dagstuhl's Web site contains further information on each event, e.g. objective, participant list, concluding report and, in some cases, references to in-depth information.

Two or three parallel events are scheduled during a number of weeks. Owing to the extended lead time, the Center is already booked up by seminars for 2000 and part of 2001. However, further applications are still expected for other events, which can be scheduled on very short notice in some cases.

Apart from a few isolated periods and a series of parallel events, the Center is booked up through mid 2001. (status: March 1999)

2.4. International Audience

At 60% the proportion of foreign guests in Dagstuhl Seminars was extremely high again in 1999, as compared to an overall proportion of 52% in other types of events (other European countries: 33% and 29% respectively):



For a detailed breakdown of the countries of origin of all the participants of Dagstuhl events, please refer to the Annex. The Center is a household word in the international scientific community.

To put it mildly, Dagstuhl Seminar participants are enthusiastic about the Center, i.e. they are quite taken with the idea and concept of promoting computer science research in this manner, in addition to being “enchanted” by the quaint manor house, the ambience created by the Center, the research and discussion opportunities, not to mention the Center’s surroundings and the commitment and dedication of the personnel.

The Annex contains a number of excerpts from written reports and thank-you letters received by the Center.

3. Offerings for Dagstuhl Guests

3.1. Conference Facilities

The Center has three lecture halls with a seating capacity of 20 to 60 each, in addition to several conference rooms. Apart from the usual projection equipment, the lecture halls are also equipped with a beamer to which various computers and video systems can be connected. This enables software demonstrations to be given to sizable audiences.

3.2. Computer Facilities

The guests have round-the-clock access to computer equipment consisting of ca. 25 networked workstations along with the associated peripherals. The Center's LAN is linked to Saarland University via a leased line, from where access is gained to the Internet. This enables presentations to be made of software downloaded by participants via the Internet, in addition to enabling the Center's guests to be accessible via e-mail. All seminar and conference participants receive their own personal user id.

3.3. Library

The *Research Library* is one of the Center's most impressive offerings. Thanks to the startup financing by the Volkswagen Foundation and numerous book donations of publishing houses and seminar participants, it numbers among Germany's key computer science research libraries. The literature is arranged on three levels in an attractive library tower, which also offers a large number of recesses for quiet study and research.

Being a reference library it is primarily at the disposal of the Dagstuhl Seminar participants for their research work on site, however there is considerable demand for interlibrary loans, with increasing use by members of the computer science departments of universities in the vicinity being noted. Former Dagstuhl Seminar participants also frequently resort to the Dagstuhl Library collection.

As to "gray literature", the library maintains regular exchanges of writings and documents with ca. 150 international scientific institutions.

Special book exhibits regularly take place in the library's entrance area. During every seminar the books authored by the participants are put out on display, and the authors asked to sign their books. If desired, books on a particular topic are also put together for an exhibit.

In addition, all book donations received from publishers are exhibited separately and exhibits regularly updated. This service is highly appreciated by the Center's guests and publishers alike.

Total of bibliographic units as of 31 December 1999: 37,681 volumes

- Books: 13,080 volumes
- Periodicals: 362 current periodicals, supplemented back to 1985, making for a total of 3,631 bound volumes
- Reports: 20,608 technical reports

In order to support computer research in Germany, the Center's periodicals are also made available to other libraries, particularly by furnishing reprints through inter-library loans.

The catalog and other information offerings can be accessed via the library's Web page. (<http://www.dagstuhl.de/DEU/Bibliothek/>)

3.4. Internet Presence

It goes without saying that the Center has a Web site. Primary objectives:

- disseminating general information on the Center (concept, program, application particulars, available dates, the Foundation, ...)
- offering participants travel information on how to get to the Center (site plan, train and bus schedules, taxi services, ...)
- presenting the Research Library along with its offerings and resources (research in the Dagstuhl Library catalog, computer science information)
- distribution of current lists (events, scientists from whom applications have been accepted, seminar participants) and seminar reports
- providing electronic versions of the seminar reports

In keeping with the Center's philosophy, its Internet offerings are not only available to the guests at Dagstuhl but to Netizens throughout the world. Most Web pages are in English and German. The Center is currently also testing a WAP offering enabling access to the Center's telephone numbers and taxi services, in addition to details concerning events currently being hosted at the Center.

The number of Web pages and amount of site traffic are sizable:

Dagstuhl Web server	No.
German Web pages	64
English Web pages	93
Automatically generated lists	1,149
Seminar reports	163
Links to internal Web pages	7,517
Links to external Web pages	3,074
Average page hits/month *	71,450
Average traffic/month (MB) *	473

* Refers to access by external Internet users and Dagstuhl guests.

3.5. Ambience

The participants typically describe the atmosphere at Schloss Dagstuhl as being surprisingly pleasant in addition to promoting valuable work and communication between the guests. Former participants frequently talk about fond memories of the pleasant evenings spent in the beautiful rooms of the manor house and making music in the Baroque Music Room.

The leisure activities offered in the Center have been chosen so as to promote communication among the participants.

3.6. Art

- “*Dagstuhl Gallery*”

Exhibits of young artists are organized in the cloister of the new building. The spacious surroundings and excellent lighting provide for striking contrasts between day and night, thus offering the artists an excellent venue to exhibit their work.

The audience at Dagstuhl differs completely from the usual audience to be found at art exhibits. Generally speaking, art connoisseurs viewing art in an art gallery do it only once for the most part, whereas the visiting scientists at Dagstuhl are able to “commune” with the art for an entire week. Compliments are frequently heard concerning the fascinating atmosphere created by the art offerings. They provide an intriguing juxtaposition to the otherwise “ascetic” nature of the new building.

Exhibits during 1999:

26 November 1998 – 26 March 1999:

Farbgang, Alexander Gern, Saarbrücken

24 May – 11 June 1999

Hüte (“Hats”), the results of a workshop of the Chair for Product Design of the University of Fine Arts of Saarland

14 June – 19 August 1999

Exhibit of Jano Sicura’s works

22 August – 21 October 1999

Exhibit of Baik-ran Kim’s works

28 October – 22 December 1999

Anniversary exhibit of the University of Fine Arts of Saarland

Donations made by various corporations and individuals and through the Dagstuhl Internet Gallery (cf. section 1.5) have enabled the Center to purchase some of the art works exhibited here.

Annex

A1. Event Schedule

A1.1. Dagstuhl Seminars

**A1.2. Events of the German Computer Science
Academy (DIA)**

A1.3. Other Events

A2. Dagstuhl Guests: Statistics

A3. Comments

A3.1. Comments of Seminar Participants

**A3.2. Comments of the Participants of
Other Events and Other Visitors**

For other responses, see

<http://www.dagstuhl.de/10Years/Stories/>

A1.1.1. Dagstuhl Seminars in 1999

No.	Date	#par's	Organizers	Heading
1.	99041 24 Jan - 29 Jan 99	31	B. Becker (Freiburg, Germany), C. Meinel (Trier, Germany), S.-I. Minato (NTT Optical Network, Japan), F. Somenzi (Boulder, Colo.)	Computer-Aided Design and Test Decision Diagrams — Concepts and Applications
2.	99071 14 Feb - 19 Feb 99	20	E. Denert (sd&m & TU Munich), D. Hoffman (Victoria, Canada), J. Ludewig (Stuttgart, Germany), D. Parnas (McMaster Univ., Canada)	Software Engineering Research and Education: Seeking a New Agenda
3.	99081 21 Feb - 26 Feb 99	32	P. Wadler (Bell Labs, Murray Hill, NJ), K. Weihe (Konstanz, Germany)	Component-Based Programming under Different Paradigms
4.	99091 28 Feb - 05 Mar 99	49	U. Furbach (Koblenz, Germany), H. Ganzinger (MPI-Saarbrücken, Germany), D. Kapur (Albany, NY)	Deduction
5.	99102 07 Mar - 12 Mar 99	43	M. Goodrich (Baltimore, Maryland), R. Klein (Hagen, Germany), R. Seidel (Saarbrücken, Germany)	Computational Geometry
6.	99111 14 Mar - 19 Mar 99	32	P. Ciancarini (Bologna, Italy), S. Conrad (Linz, Austria), W. Hasselbring (Tilburg, Netherlands)	Systems Integration
7.	99121 21 Mar - 26 Mar 99	44	J.M. Buhmann (Bonn, Germany), W. Maass (Graz, Austria), H. Ritter (Bielefeld, Germany), N. Tishby (Jerusalem)	Unsupervised Learning
8.	99151 11 Apr - 16 Apr 99	36	H. Riis Nielson (Aarhus, Denmark), M. Sagiv (Tel Aviv)	Program Analysis
9.	99161 18 Apr - 23 Apr 99	35	D. Arvind (Edinburgh), K. Ebcioglu (IBM Yorktown Heights, NY), C. Lengauer (Passau, Germany), K. Pingali (Ithaca, NY), R. Schreiber (HP, Palo Alto, Calif.)	Instruction-Level Parallelism and Parallelizing Compilation
10.	99171 25 Apr - 30 Apr 99	36	M. Cole (Edinburgh), S. Gorlatch (Passau, Germany), J. Prins (UNC Chapel Hill, NC), D. Skillicorn (QU Kingston, Canada)	High Level Parallel Programming: Applicability, Analysis and Performance
11.	99061 03 May - 06 May 99	26	A. Campbell (New York), R. Ernst (Braunschweig, Germany), S. Pink (Luleå, Sweden), M. Zitterbart (Braunschweig, Germany)	Mobile Multimedia Communication — Systems and Networks
12.	99201 16 May - 21 May 99	52	H. Bieri (Bern, Switzerland), G. Brunnett (Kaiserslautern, Germany), G. Farin (Arizona State Univ.)	Geometric Modeling
13.	99231 06 Jun - 11 Jun 99	37	A. Brandstädt (Rostock, Germany), S. Olariu (Norfolk, Virginia), J. P. Spinrad (Nashville, Tenn.)	Graph Decompositions and Algorithmic Applications

14.	99241 13 Jun - 18 Jun 99	37	E. Börger (Pisa, Italy), B. Hörger (Daimler-Benz, Ulm, Germany), D. Parnas (McMaster Univ., Canada), D. Rombach (Kaiserslautern, Germany)	Requirements Capture, Documentation and Validation
15.	99251 20 Jun - 25 Jun 99	49	A. Fiat (Tel Aviv), A. Karlin (Seattle, Wash.), G. Woeginger (TU Graz, Austria)	Competitive Algorithms
16.	99261 27 Jun - 02 Jul 99	29	S. Abiteboul (INRIA Rocquencourt, France), D. Florescu (INRIA Rocquencourt, France), A. Levy (Seattle, Wash.), G. Moerkotte (Mannheim, Germany)	Foundations for Information Integration
17.	99271 04 Jul - 09 Jul 99	26	P. Fishwick, (Univ. of Florida), A. Uhrmacher (Univ. of Ulm, Germany), B. Zeigler (Univ. of Arizona)	Agent-Oriented Approaches in Distributed Modeling and Simulation: Challenges and Methodologies
18.	99291 18 Jul - 23 Jul 99	26	B. Maggs (CMU, Pittsburgh, Penn.), F. Meyer auf der Heide (Paderborn, Germany), E. Mayr (TU Munich)	Parallel and Distributed Algorithms
19.	99321 09 Aug - 12 Aug 99	20	W. Oberschelp (Aachen, Germany), W. Seggewiss (Bonn / Hoher List, Germany), R. Wilhelm (Saarbrücken, Germany)	Computer Science in Astronomy
20.	99341 22 Aug - 27 Aug 99	33	V. de Paiva (Univ. of Birmingham, England), J. van Genabith (Dublin), E. Ritter (Univ. of Birmingham, England)	Linear Logic and Applications
21.	99351 29 Aug - 03 Sep 99	35	E. Bertino (Milan, Italy), A. Heuer (Rostock, Germany), T. Ozsu (Alberta, Canada), G. Saake (Magdeburg, Germany)	Multimedia Database Support for Digital Libraries
22.	99361 05 Sep - 10 Sep 99	33	Ch. Floyd (Hamburg, Germany), N.A. Jayaratna (Sheffield, England), F. Kensing (Roskilde, Denmark), L. Suchman (Xerox, Palo Alto, Calif.)	Social Thinking — Software Practice
23.	99371 12 Sep - 17 Sep 99	22	N. Spyrtatos (Paris), K. Vidyasankar, (Newfoundland), G. Vossen (Münster, Germany)	Declarative Data Access on the Web
24.	99381 19 Sep - 24 Sep 99	38	M. Molenaar (Enschede, Netherlands), M. van Krefeld (Utrecht, Netherlands), F. Wagner (FU Berlin), R. Weibel (Zurich)	Computational Cartography
25.	99401 03 Oct - 08 Oct 99	43	G. Gottlob (Vienna), E. Grädel (Aachen, Germany), M. Vardi (Houston, Texas), V. Vianu (San Diego, Calif.)	Finite Model Theory, Databases, and Computer-Aided Verification
26.	99411 10 Oct - 15 Oct 99	35	E. Clarke (Pittsburgh, Penn.), U. Goltz (Braunschweig, Germany), P. Niebert (Giers, France), W. Penczek (Warsaw, Poland)	Temporal Logics for Distributed Systems — Paradigms and Algorithms
27.	99421 17 Oct - 22 Oct 99	38	H. Uszkoreit (Saarbrücken, Germany), J.-I. Tsujii (Tokyo)	Efficient Language Processing with High-Level Grammar Formalisms

28.	99431 24 Oct - 29 Oct 99	50	J. Blazewicz (Poznan, Poland), E. Coffman (Murray Hill, NJ), K. Ecker (Clausthal, Germany), G. Finke (Grenoble, France)	Scheduling in Computer and Manufacturing Systems
29.	99441 31 Oct - 05 Nov 99	38	D. M. Barrington (Amherst, Mass.), R. Reischuk (Lübeck, Germany), I. Wegener (Dortmund, Germany)	Complexity of Boolean Functions
30.	99451 07 Nov - 12 Nov 99	38	S. Jähnichen (Berlin), M. Lemoine (Toulouse, France), T. Maibaum (London), M. Wirsing (Univ. of Munich)	Rigorous Analysis and Design for Software Intensive Systems
31.	99461 14 Nov - 19 Nov 99	36	Ker-I Ko (Stony Brook, NY), A. Nerode (Ithaca, NY), K. Weihrauch (Hagen, Germany)	Computability and Complexity in Analysis
32.	99471 21 Nov - 26 Nov 99	40	G. Alefeld (Karlsruhe, Germany), S. Rump (Hamburg-Harburg, Germany), J. Rohn (Prague), T. Yamamoto (Matsuyama, Japan)	Symbolic-algebraic Methods and Verification Methods — Theory and Applications
33.	99491 05 Dec - 10 Dec 99	25	H. Burkhardt (Freiburg, Germany), H.-P. Kriegel (Munich), R. Veltkamp (Utrecht, Netherlands)	Content-Based Image and Video Retrieval

A1.1.2. Dagstuhl Seminars in 2000

No.	Date	Organizers	Heading
1.	00031 16 Jan – 21 Jan 00	K. Apt (Amsterdam), M. Jünger (Cologne, Germany), P. van Hentenryck (Providence, RI), L. Wolsey (Louvain-La-Neuve, Belgium)	Constraint Programming and Integer Programming
2.	00041 23 Jan - 28 Jan 00	K. Jansen (Kiel, Germany), J. Rolim (Geneva), M. Sudan (MIT, Cambridge, Mass.)	Linear, Semidefinite Programming and Randomization Methods for Combinatorial Optimization Problems
3.	00051 30 Jan - 04 Feb 00	W. Coy (HU Berlin), O. Foelsche (Dartmouth College, Hanover, Vermont), T. Ottmann (Freiburg, Germany)	Digital Media in Computer Science Teaching at University Level
4.	00071 13 Feb - 18 Feb 00	H.-G. Beyer (Dortmund, Germany), K. de Jong (Fairfax, Virginia), D. Fogel (San Diego, Calif.), I. Wegener (Dortmund, Germany)	Theory of Evolutionary Algorithms
5.	00081 20 Feb - 25 Feb 00	H.-D. Ehrich (Braunschweig, Germany), U. Goltz (Braunschweig, Germany), J. Meseguer (SRI, Menlo Park, Calif.), A. Pnueli (Rehovot, Israel)	Specification of Distributed Information Systems
6.	00091 27 Feb - 03 Mar 00	S. Albers, (MPI Saarbrücken, Germany), I. Munro (Univ. of Waterloo, Canada), P. Widmayer (Zurich)	Data Structures

7.	00111 12 Mar - 17 Mar 00	A. Bruckstein (Technion, Israel), T. Huang (Urbana, Illinois), R. Klette (Auckland, New Zealand), Song De Ma (Beijing, China)	Multi-Image Search, Filtering, Reasoning and Visualization
8.	00121 19 Mar - 24 Mar 00	D. Fensel (Karlsruhe, Germany), J. Hendler (Maryland), H. Lieberman (MIT, Cambridge, Mass.), W. Wahlster (DFKI, Saarbrücken, Germany)	Semantics for the Web
9.	00131 26 Mar - 31 Mar 00	A. Bondavalli (Pisa, Italy), M. Dal Cin (Erlangen, Germany), K. Echte (Essen, Germany), E. Maehle (Lübeck, Germany)	Validation of Dependable Behaviour of Safety- and Mission-Critical Computing Systems
10.	00141 02 Apr - 07 Apr 00	A. Bouajjani (Verimag, Gieres, Germany), J. Esparza (TU Munich)	Verification of Infinite-State Systems
11.	00151 09 Apr - 14 Apr 00	U. Herzog (Erlangen, Germany), G. Latouche (UL, Brussels), V. Ramaswami (AT&T, Middletown, NJ), P. Tran-Gia (Würzburg, Germany)	Advanced Stochastic Modeling in Telecommunications
12.	00181 30 Apr - 05 May 00	U. Herzog (Erlangen, Germany), M. Kwiatkowska (Univ. of Birmingham, England), Ch. Meinel (Trier, Germany), M. Vardi (Houston, Texas)	Probabilistic Methods in Verification
13.	00191 07 May - 12 May 00	A. Campbell (New York), D. Ferrari (Piacenza, Italy), S. Fischer (Bruchsal, Germany), L. Wolf (Karlsruhe, Germany)	Quality of Service in Networks and Distributed Systems
14.	00211 21 May - 26 May 00	G.-P. Bonneau (IMAG, Grenoble, France), G. Nielson (Tempe, Arizona), F. Post (Delft, Netherlands)	Scientific Visualization
15.	00231 04 Jun - 09 Jun 00	R. Kopperman (New York), M. Smyth (London), D. Spreen (Siegen, Germany)	Topology in Computer Science: Constructivity; Asymmetry and Partiality; Digitalization
16.	00241 11 Jun - 16 Jun 00	W. Effelsberg (Mannheim, Germany), E. Fox (Blacksburg, Virginia), N. Georganas (Ottawa, Canada), R. Steinmetz (GMD, Darmstadt, Germany)	Multimedia for Multimedia: Learning and Teaching in the Next Decade
17.	00251 18 Jun - 23 Jun 00	M. Cohen (Microsoft, Redmond, Wash.), H. Müller (Dortmund, Germany), C. Puech (Grenoble, France), H.-P. Seidel (Saarbrücken, Germany)	Image Synthesis and Interactive 3D Graphics
18.	00261 25 Jun - 30 Jun 00	G. Brebner (Edinburgh), K.-H. Brenner (Mannheim, Germany), H. ElGindy (Sydney, Australia), H. Schmeck (Karlsruhe, Germany)	Dynamically Reconfigurable Architectures
19.	00271 02 Jul - 07 Jul 00	G. Hommel (Berlin), L.R. Welch (Athens, Ohio)	Stochastic and Dynamic Real-Time Systems
20.	00281 09 Jul - 14 Jul 00	M. Jarke (Aachen, Germany), D. E. O'Leary (Los Angeles), R. Studer (Karlsruhe, Germany)	Knowledge Management: An Interdisciplinary Approach

21.	00291 16 Jul - 21 Jul 00	J. Chomicki (Monmouth Univ.), R. van der Meyden (Sydney, Australia), G. Saake (Magdeburg, Germany)	Logics for Emerging Applications of Databases
22.	00331 13 Aug - 18 Aug 00	M. Berthold (Berkeley, Calif.), R. Kruse (Magdeburg, Germany), X. Liu (London), H. Szczerbicka (Bremen, Germany)	Intelligent Data Analysis
23.	00341 20 Aug - 25 Aug 00	S. Flynn-Hummel (IBM, Watson, NY), V. Getov (London), F. Irigoien (Paris), Ch. Lengauer (Passau, Germany)	High Performance Computing and Java
24.	00371 10 Sep - 15 Sep 00	R. Fleischer (Ontario, Canada), B. Moret (Albuquerque, New Mexico), E. M. Schmidt (Aarhus, Denmark)	Experimental Algorithms
25.	00381 17 Sep - 22 Sep 00	C. Dulong (Intel, Santa Clara, Calif.), R. Gupta (Tucson, Arizona), R. Kennedy (SGI, Mountain View, Calif.), J. Knoop (Dortmund, Germany)	Code Optimisation: Trends, Challenges and Perspectives
26.	00391 24 Sep - 29 Sep 00	S. Heinrich (Kaiserslautern, Germany), S. Pereverzev (Kiev), J. Traub (New York), G. Wasilkowski (Univ. of Kentucky)	Algorithms and Complexity for Continuous Problems
27.	00411 08 Oct - 13 Oct 00	H. Ehrig (TU, Berlin), G. Engels (Paderborn, Germany), F. Orejas (Barcelona, Spain), M. Wirsing (Univ. of Munich)	Semi-Formal and Formal Specification Techniques for Software Systems
28.	00421 15 Oct - 20 Oct 00	H. Bunke (Bern, Switzerland), H. I. Christensen (Stockholm, Sweden), G. Hager (Baltimore, Maryland), R. Klein (Hagen, Germany)	Modeling of Sensor-Based Intelligent Robot Systems
29.	00431 22 Oct - 27 Oct 00	A. Arora (Ohio State), S. Dolev (Beer-Sheva, Israel), T. Herman (Iowa City, Iowa), W.P. de Roever (Kiel, Germany),	Self-Stabilization
30.	00451 05 Nov - 10 Nov 00	U. Assmann (Karlsruhe, Germany), L. Hendren (McGill Univ.), B. Ryder (Rutgers Univ.), F. Tip (IBM, Yorktown Heights, NY)	Effective Implementation of Object-Oriented Programming Languages
31.	00461 12 Nov - 17 Nov 00	J. Ebert (Koblenz-Landau, Germany), K. Kontogiannis (Univ. of Waterloo, Canada), J. Mylopoulos (Toronto)	Interoperability of Reengineering Tools
32.	00481 26 Nov - 01 Dec 00	V. Diekert (Stuttgart, Germany), M. Droste (Dresden, Germany), A. Muscholl (Paris), D. A. Peled (Bell Labs, Murray Hill, NJ)	Logic, Algebra, and Formal Verification of Concurrent Systems
33.	00491 03 Dec - 08 Dec 00	D. Brutlag (Stanford, Conn.), T. Lengauer (St. Augustin, Germany), M. Vingron (DKFZ, Heidelberg, Germany)	Molecular Bioinformatics
34.	00501 10 Dec - 15 Dec 00	P. Degano (Pisa, Italy), R. Gorrieri (Bologna, Italy), C. Hankin (London), F. Nielson (Aarhus, Denmark), H. Riis Nielson (Aarhus, Denmark)	Security through Analysis and Verification

A1.2 Events of the German Computer Science Academy (DIA)

(All towns, cities, etc. located in Germany)

No.	Date	Organizers	Heading
1.	07 Feb - 10 Feb 99	S. Diehl (Saarbrücken)	Developing Interactive Web Pages with HTML, CGI, Java, JavaScript
2.	22 Mar - 24 Mar 99	R. Budde, K.-H. Sylla (GMD), H. Züllighoven (Hamburg)	Object-Oriented System Development — Concepts & Project Organization
3.	25 Mar - 26 Mar 99	Stephan Diehl (Saarbrücken)	Developing Interactive Web Pages with VRML & Java
4.	07 Jun - 09 Jun 99	R. Budde, K.-H. Sylla (GMD), H. Züllighoven (Hamburg)	Object-Oriented System Development — Design Techniques and Software Architectures
5.	03 Oct - 06 Oct 99	R. Budde, K.-H. Sylla (GMD), H. Züllighoven (Hamburg)	Object-Oriented System Development
6.	10 Oct - 13 Oct 99	S. Diehl (Saarbrücken), C. Probst (Saarbrücken)	Web Technologies & Applications
7.	22 Nov - 24 Nov 99	D. Fensel (Karlsruhe), T. Roelleke (Dortmund)	Searching Information in the Internet & Intranets
8.	30 Nov - 03 Dec 99	R. Budde, K.-H. Sylla (GMD), H. Züllighoven (Hamburg)	Object-Oriented System Development
9.	09 Feb - 10 Feb 00	S. Diehl (Saarbrücken)	3D in Web Applications & Technologies
10.	27 Mar - 29 Mar 00	R. Budde, K.-H. Sylla (GMD), H. Züllighoven (Hamburg)	Object-Oriented System Development
11.	10 Apr - 12 Apr 00	S. Diehl (Saarbrücken), C. Probst (Saarbrücken)	& Applications
12.	07 Jun - 09 Jun 00	R. Budde, K.-H. Sylla (GMD), H. Züllighoven (Hamburg)	Object-Oriented System Development
13.	27 Sep - 29 Sep 00	R. Budde, K.-H. Sylla (GMD), H. Züllighoven (Hamburg)	Object-Oriented System Development — Concepts, Technologies & Projects
14.	06 Dec - 08 Dec 00	R. Budde, K.-H. Sylla (GMD), H. Züllighoven (Hamburg)	Object-Oriented System Development — Design Techniques & Software Architectures

A1.3.1. Other Events in 1999

	Date	Organizers	Heading
1.	06 Jan - 08 Jan 99	G. Hotz (Saarbrücken, Germany)	GI Advisory Board of University Professors 1999
2.	10 Jan - 12 Jan 99	R. Curver (Amsterdam), R. Wilhelm (Saarbrücken, Germany)	JOSES Kick-Off Meeting
3.	19 Jan - 22 Jan 99	T. Rist (DFKI, Saarbrücken, Germany), G. Faconti (Pisa, Italy)	3rd TACIT Workshop
4.	31 Jan - 04 Feb 99	M. Kohlhase (Saarland Univ.), M. Pinkal (Saarland Univ.), J. van Eick (Amsterdam)	Workshop Dynamic Logic

5.	23 Feb - 24 Feb 99	H. Schmeck (Karlsruhe, Germany)	Prof. Schmeck, departmental conference
6.	25 Feb - 27 Feb 99	D. Baum (Trier, Germany)	CNO Workshop
7.	28 Feb - 03 Mar 99	J. Becker (Münster, Germany), D. Ehrenberg (Leipzig, Germany), J. Griese (Bern, Switzerland), F. Roithmayr (Innsbruck, Austria)	WI '99 PhD graduate student seminar
8.	07 Mar - 11 Mar 99	A. Heuer (Rostock, Germany), B. Prager (Rostock, Germany), R. Studer (Karlsruhe, Germany), H. Uszkoreit (Saarbrücken, Germany)	GETESS: German Text Exploration and Search System
9.	06 Apr - 09 Apr 99	M. Kaufmann (Tübingen, Germany), D. Wagner (Konstanz, Germany)	GI research seminar on "Drawing Graphs"
10.	06 Apr - 10 Apr 99	G. Hotz (Saarbrücken, Germany)	GI Doctoral Dissertation Prize
11.	23 Apr - 24 Apr 99	Fichtner (RAMSYS, St. Ingbert, Germany)	RAMSYS
12.	29 Apr - 30 Apr 99	D. Klauck (BBZ-Nunkirchen, Germany)	Conference of the principals of vocational schools
13.	09 May - 12 May 99	J. Giesel (Darmstadt, Germany)	4th International Workshop on Termination
14.	14 May - 15 May 99	W. Tack (Saarbrücken, Germany)	General Meeting of SFB 378 (i.e. Collaborative Research Center 378)
15.	25 May - 30 May 99	D. Fensel (Karlsruhe, Germany), R. Studer (Karlsruhe, Germany)	EKAW'99: 11th European Workshop on Knowledge Acquisition, Modeling, and Management
16.	30 May - 02 Jun 99	W. Halang (Hagen, Germany)	WRTP'99: 24th IFAC/IFIP Workshop on Real Time Programming
17.	27 Jun - 28 Jun 99	W. Kirsch (LPM, Saarbrücken, Germany)	LPM departmental conference
18.	04 Jul - 09 Jul 99	G. Reich (Bonn, Germany)	Computer Science Olympics
19.	14 Jul - 16 Jul 99	Th. Ottmann (Freiburg, Germany), P.-T. Kandzia (Freiburg, Germany)	Conference: VIROR Project: Virtual University of the Upper Rhine
20.	14 Jul - 16 Jul 99	Heinrich Stüttgen (NEC Europe)	Working conference of Heinrich Stüttgen's research group
21.	19 Jul - 23 Jul 99	B. H. Matzat (Heidelberg, Germany)	Design Methods in Galois Theory
22.	29 Aug - 03 Sep 99	B. Gärtner (ETH Zürich), S. Schirra (MPI, Saarbrücken, Germany), M. Yvinec (INRIA, Sophia-Antipolis, France)	GALIA Design and Implementation Meeting
23.	05 Sep - 10 Sep 99	P. Levi (Stuttgart, Germany)	PhD graduate student seminar of the Univ. of Stuttgart
24.	26 Sep - 30 Sep 99	G. Saake, K. Schwarz, C. Tuerker (Magdeburg, Germany)	8th Int. Workshop on Foundations of Models and Languages for Data and Objects
25.	25 Sep - 29 Sep 99	M. Crovella (Boston Univ.), Ch. Lindemann (Dortmund, Germany), M. Reiser (GMD, St. Augustin, Germany)	Int. Workshop on Internet Performance Modeling
26.	13 Oct - 16 Oct 99	H. Schmeck (Karlsruhe, Germany)	Prof. Schmeck, departmental conference

27.	25 Oct - 29 Oct 99	Erwin Pesch (Bonn, Germany)	Resource Constraint Project Scheduling
28.	28 Nov - 01 Dec 99	A. Kobsa (GMD Bonn, Germany)	5 th ERICM Workshop "User Interfaces for All"
29.	01 Dec - 03 Dec 99	H. Adolph (LPM, Dudweiler, Germany), R. Wilhelm (Saarbrücken, Germany)	Teacher Continuing Education: Computer Science
30.	08 Dec - 10 Dec 99	R. Vollmar (Univ. of Karlsruhe, Germany)	Karlsruhe Graduate College
31.	15 Dec - 18 Dec 99	J. Siekmann (DFKI, Saarbrücken, Germany), K. Konrad (DFKI, Saarbrücken, Germany)	Prof. Siekmann, departmental conference

A1.3.2. Other Events in 2000

	Date	Organizers	Heading
1.	06 Jan - 07 Jan 00	R. Wilhelm (Saarbrücken, Germany)	SFB (Collaborative Research Center) Preparatory Meeting
2.	16 Feb - 18 Feb 00	A. Heuer (Univ. of Rostock, Germany), B. Prager (Gecko, Rostock, Germany), R. Studer (Karlsruhe, Germany), H. Uszkoreit (DFKI, Saarbrücken, Germany)	GETESS: German Text Exploration and Search System
3.	28 Feb - 29 Feb 00	D. Baum (Trier, Germany)	CNO - Workshop
4.	06 Mar - 10 Mar 00	G. Hotz (Saarland Univ.)	GI Advisory Board of University Professors 2000
5.	06 Mar - 10 Mar 00	N. Dyn (Tel Aviv), L. Kobbelt (MPI, Saarbrücken, Germany), P. Schröder (Cal Tech, Pasadena, Calif.)	Subdivision in Geometric Modeling & Computer Graphics
6.	19 Mar - 21 Mar 00	D. Hutter (DFKI, Saarbrücken, Germany)	CIAO-2000 "9th CLAM - INKA - OMRS Workshop"
7.	29 Mar - 01 Apr 00	G. Krüger (Karlsruhe, Germany)	Conference of the Telematics Working Group of the Univ. of Karlsruhe
8.	17 Apr - 19 Apr 00	P. Kornerup (Odense, Denmark), J.-M. Muller (Lyon, France), J.-C. Bajard (Montpellier, France), C. Frougny (Paris)	4th Conference on "Real Numbers & Computers"
9.	25 Apr - 28 Apr 00	D. Wagner (Konstanz, Germany)	Working conference of the "Algorithms and Data Structures" working group
10.	08 May - 10 May 00	J.-U. Meyer (IBMT-FHG, St. Ingbert, Germany)	Telemedicine for the Elderly
11.	11 May - 12 May 00	S. Diehl (Saarbrücken, Germany)	GI Workshop: Software Visualization 2000
12.	08 May - 12 May 00	M. Jünger (Cologne, Germany), D. Naddef (Grenoble, France)	DONET Spring School "Computational Combinatorial Optimization"
13.	29 May - 31 May 00	O. Spaniol (Aachen, Germany)	Joint Workshop of the Aachen, Berlin, Karlsruhe Graduate Colleges

14.	24 Jul - 28 Jul 00	T. Becker (DFKI, Saarbrücken, Germany), S. Busemann (DFKI, Saarbrücken, Germany)	Impacts in Natural Language Generation
15.	29 Jul - 30 Jul 00	J. Bos (Saarland Univ.), M. Kohlhase (Saarland Univ.)	ICoS-2: "Inference in Computational Semantics"
16.	28 Aug - 31 Aug 00	R. Wilhelm (IBFI Schloss Dagstuhl)	Informatics - 10 Years Back, 10 Years Ahead Conference Celebrating the 10th Anniversary of Schloss Dagstuhl
17.	04 Sep - 08 Sep 00	Ch. Habel (Hamburg, Germany), Th. Pechmann (Leipzig, Germany)	DFG Conference, "Speech Generation" group
18.	11 Sep - 13 Sep 00	H. M. Gerndt (Jülich, Germany), J. Gurd (Univ. of Manchester, England)	APART Workshop on "Automatic Performance Analysis and Automated Reasoning Techniques
19.	18 Sep - 22 Sep 00	S. Conrad (Magdeburg, Germany), H. Balsters (Twente, Netherlands), B. de Brock (Groningen, Netherlands)	DEMM2000: "Database Schema Evolution and meta-modeling"
20.	02 Oct - 06 Oct 00	P.-T. Kandzia (Freiburg, Germany), Th. Ottmann (Freiburg, Germany)	Conference: VIROR Project:
21.	01 Nov - 03 Nov 00	W. Grieskamp (TU Berlin), Th. Santen (TU Berlin), B. Stoddart (Teeside, England)	IFM' - 2nd Int. Conference on Integrated Formal Methods
22.	22 Nov - 24 Nov 00	H. Schwarz (LPM, Dudweiler, Germany), R. Wilhelm (Saarland Univ.)	Teacher Continuing Education: Computer Science

A2. 1999 Dagstuhl Guests: Statistics Breakdown According to Country of Origin

	I	II
Germany	382	994
Belgium	14	7
Denmark	18	5
Finland	5	5
France	71	39
Greece	6	5
Great Britain	71	21
Ireland	5	
Italy	28	6
Netherlands	39	21
Norway	5	
Austria	13	3
Portugal	2	
Sweden	16	9
Switzerland	24	11
Spain	3	13
Other West European countries	0	0
Western Europe	320	145
Poland	15	4
Russia	5	
Czech Republic	4	6
Hungary	7	

Other Central and East European countries	5	5
Central and Eastern Europe, total	36	17
Canada	26	10
USA	160	26
North America, total	186	36
Israel	26	5
Japan	28	6
Other Asian countries	4	1
Brazil	5	3
Other South American countries	2	1
Australia, New Zealand	6	2
Other countries	4	2
Rest of world	75	20
Overall total	999	743

I Seminar participants

II Other events

A3.1. Comments of Seminar Participants

“Software Engineering Research and Education” seminar (14 – 19 February 1999) Pankaj Jalote, Indian Institute of Technology, Kanpur, India

I would like to thank you and your colleagues for the fabulous arrangements made during the workshop. Dagstuhl is indeed a wonderful place to work and think. I would like to add that as a vegetarian, I have never had better food in any conference I have attended.

“Component-Based Programming under Different Paradigms” seminar (21 – 26 February 1999); Milos Besta, Charles University, Prague

We would like to thank you and Prof. Wilhelm for the opportunity to take part in the Dagstuhl seminar “Component based Programming under Different Paradigms”. It was a great time for us. We met a lot of colleagues with similar interests and the attendance helped us to widen our knowledge. It was really a great experience.

*“Scientific Visualization” seminar (9 -13 June 1997)
Issei Fujishiro, Ochanomizu University, Tokyo*

Thank you very much for sending me a copy of Dagstuhl seminar’s report and a photoprint, both of which reminded me of the wonderful days at Dagstuhl.

*“Geometric Modeling” seminar (16 – 21 May 1999)
Irina Voiculescu, University of Bath, Great Britain*

Es war eine erfolgreiche Veranstaltung, und ich habe die Vorträge nicht nur sehr interessant, sondern auch sehr nützlich gefunden. Ich war auch einer der glücklichen jungen Forscher des TMR Programms.

“Requirements Capture, Documentation and Validation” seminar (13 – 18 June 1999); Julio Leite, PUC-Rio de Janeiro, Brazil

It was my second time at the Schloss. I am happy that the tradition continues. The concept Dagstuhl is unique and we appreciate all the effort that you put into it. Everything is great: food, library, computer support and rooms.

*“Computer Science in Astronomy” seminar (9 – 12 August 1999)
Akmal Vakhidov, TU Dresden, Germany*

Herewith I would like to thank you cordially for the excellent organization of the seminar „Computer Science in Astronomy“ in Schloss Dagstuhl and for the financial support of my participation. I am very grateful to you for this and I can say that the conference itself and the atmosphere in Schloss Dagstuhl were very nice and I was very happy to spend these three days in your computer center and to participate at this conference. If you need an extended abstract or a short

paper of my presentation for the publication in the book of „seminar-reports“, please let me know. I will be glad to send it to you and I hope to have a possibility to participate somewhen in the future in other seminars in your computer center. Thank you very much for all your help and support.

*“Social Thinking – Software Practice” seminar (5 – 10 September 1999)
Philip Kraft, SUNY at Binghamton, NY, U.S.A.*

Thank you and your colleagues for another superbly organized seminar. Each time I attend there have been changes, some obvious, some subtle, all adding to the “Dagstuhl experience”. One thing that has not changed is the extraordinary kindness and efficiency of the staff at the Schloss. What a wonderful group of people.

*“Agent-Oriented Approaches in Distributed Modeling and Simulation” seminar
(4 – 9 July 1999). Quoted from the preface of seminar report no. 245*

We began the week realizing that this was no ordinary workshop. We felt obliged to pay close attention to the interaction of all participants so as not to dictate a rigid schedule of papers and panel sessions, as would be done in a larger conference setting. Thus, all participants played an active role in driving the progress and content of the workshop.

Schloss Dagstuhl was a very pleasurable environment. We were able to combine some of our discussions with drinks in the wine cellar, walks in the woods, and trips up to the ruins on the hill. It is the environment that makes Dagstuhl an amazing location. There is an unusual blend of the old with the new, and the concept of careful time management interspersed with a flexibility to deviate and collectively self-organize. The staff was most gracious and helpful. We thank them for all of their help in accommodating our needs during our stay.

*“High-Level Parallel Programming Applicability, Analysis and Performance”
seminar (25 – 30 April 1999)
Susanna Pelagatti, Universita degli studie di Pisa, Italy*

I found Dagstuhl seminars very interesting, and very pleasant. So a book is a very small thing to help the wonderful Dagstuhl idea.

*“Evaluation and Validation of Computer Vision Algorithms” seminar
(15 – 20 March 1998)
Quoted from the preface of seminar report no. 205*

The workshop thus attempted to bring together experienced colleagues from the international computer vision community both to discuss the state-of-the-art and to formulate recommendations for future activities. 36 talks, grouped in several topical sessions, were given by 32 speakers from 14 countries.

... In addition to the oral presentations, four working groups - partly working during wood-walking tours - were established to discuss issues of common

interest in more detail. The participation of a number of younger scientists from Denmark, Germany, The Netherlands, and United Kingdom was rendered possible through financial support from the TMR (Training and Mobility of Researchers) program of the European Union which is gratefully acknowledged. Moreover we are pleased to state that the presentations at our meeting were of such a high quality that a refereed proceedings book is planned to be published soon by Kluwer Academic Publishers in the Computational Imaging and Vision series.

We are also grateful to the administration of the Dagstuhl enterprise for creating such an inspiring and free-of-duty environment as well as for providing excellent facilities which significantly contributed to the success of our meeting.

Eventually the workshop has stimulated different future activities, ranging from the establishment of an algorithmic web site for the international computer vision community, to the recommendation of organizing a similar meeting at Schloss Dagstuhl in Y2K on the subject of theory, methodology, and practice of performance measures.

"Advanced Stochastic Modeling Applied to Telecommunication — Networks and Distributed Systems" seminar (29 March – 3 April 1998)

Ulrich Herzog, Friedrich-Alexander University of Erlangen-Nuremberg, Germany

Es war wieder die ideale Atmosphäre für die intensive Vorstellung und Diskussion aktueller Fragestellungen und Lösungsansätze. Auch unser Versuch, Wissenschaftler aus zwei unterschiedlichen Bereichen, Leute, die "klassische" Methoden weiterentwickeln und Verfechter neuartiger, theoretisch gut fundierter Ansätze zusammenzubringen, ist recht gut angekommen.

Bei der Abschlußbesprechung bekamen wir noch einige gute Anregungen und wurden sehr ermuntert, zu einem späteren Zeitpunkt wieder eine aktuelle Thematik aufzugreifen. Aus den "Statements" kann ich entnehmen, daß auch unsere Kollegen aus den USA und aus Australien sehr gerne die weite Anreise auf sich nahmen und wertvolle Anregungen in Dagstuhl erhielten.

"Advanced Stochastic Modeling Applied to Telecommunication — Networks and Distributed Systems" seminar (29 March – 3 April 1998)

Les Berry, Royal Melbourne Institute of Technology, Australia

I enjoyed the visit very much. It is a wonderful idea having such a great facility to aid research.

"Advanced Stochastic Modeling Applied to Telecommunication — Networks and Distributed Systems" seminar (29 March – 3 April 1998)

Quoted from the preface of seminar report no. 206

Two and a half years ago we already organized a workshop bringing together people working in the areas of telecommunications and manufacturing.

... This time we decided to concentrate on telecommunications and distributed systems. However, now we selected researchers from two different communities:

People directly dealing with performance problems in industry or academia, and computer scientists trying to integrate performance modeling into functional specification techniques. In total, the attendees of both groups found this confrontation very stimulating.

Again, we all appreciated very much the atmosphere and hospitality at Schloss Dagstuhl. On behalf of all participants we thank the director and the staff of the conference center and would like to say "Auf Wiedersehen".

"Domain Theory and its Applications" seminar (4 – 8 May 1998)
Manfred Droste, TU Dresden, Germany

Das Seminar zur "Domain Theory" hat vielen Teilnehmern (und auch uns) sehr gut gefallen. Insbesondere wurde wieder einmal die vorzügliche Organisation sehr gelobt, und dieses Kompliment möchte ich hiermit gerne an Sie weiterleiten.

"Modeling and Simulation of Gene and Cell Regulation and Metabolic Pathways" seminar (22 – 26 June 1998)
John Reinitz, Mt. Sinai Medical School, New York

I attend a variety of international meetings, and the meeting this year at Dagstuhl was one of the two or three very best I've been to. Ideally, a scientific conference is just that -- a occasion for conferring and exchanging views. It is usually the case that conferences are large gatherings where a large series of short talks are made to relatively large groups of people. While such events are useful for meeting colleagues and keeping up with recent developments, in my experience Dagstuhl is unsurpassed for the exchange of ideas. This is a consequence of the high quality of invited speakers, the small size, and the setting of Schloss Dagstuhl.

... I would like to complement whoever was responsible for making sure that all levels of the scientific hierarchy from graduate students to senior scientists were represented.

... Please pass on my thanks to the governments of Saarland and Rhineland-Palatinate, as well as the Volkswagen Foundation, for their support.

After two Dagstuhl seminars, I rate Dagstuhl as the best meetings I've been to. If you and the other organizers propose a third seminar in three years time, I hope very much that you meet with a favorable response.

"Modeling and Simulation of Gene and Cell Regulation and Metabolic Pathways" seminar (22 – 26 June 1998)
Michael Savageau, University of Michigan, Ann Arbor, Michigan, USA

The Dagstuhl meeting this year was every bit as successful as the first. It was a real pleasure for me to participate. I was stimulated by the exciting work being done by our colleagues in related disciplines, and I enjoyed meeting the other participants in the pleasant setting provided by Schloss Dagstuhl. My thanks again to the organizers for making all this possible.

"Modeling and Simulation of Gene and Cell Regulation and Metabolic Pathways" seminar (22 – 26 June 1998)

Jacques van Helden, Université Libre de Bruxelles, Belgium

I also wanted to thank you once again for inviting me to this workshop, which gave me the opportunity to meet and discuss with the leading researchers in the domain of computational approaches to metabolic regulation.

I have been impressed by the excellent organization of Dagstuhl Schloss. The castle is perfectly fitted for this kind of scientific meetings, and every detail that can help you in your work has already been foreseen by the organizers.

"Modeling and Simulation of Gene and Cell Regulation and Metabolic Pathways" seminar (22 – 26 June 1998)

Luis Mendoza, Universidad Nacional Autonoma de Mexico, Coyoacan, Mexico

I consider that this seminar was very valuable because the invited speakers were of the highest level.

For me it was the most wonderful experience since I am still a Ph.D. student and there I met many of the most relevant people in my area of study. The main difference between meeting most people in Dagstuhl rather than in a normal annual meeting, is that the close contact fostered long and profound discussions that eventually might lead to collaborations, as in my case.

Without any doubt, I can say that if this kind of seminars continues, the small community studying gene regulation and metabolic pathways may become larger and more productive because it serves as a wonderful think-tank where each and everyone of us contributes and becomes beneficiary of great ideas.

"Modeling and Simulation of Gene and Cell Regulation and Metabolic Pathways" seminar (22 – 26 June 1998)

Dominique Bergeron, Université de Montréal, Canada

The formula of the seminar (localization, diversity of formation of participants...) have greatly stimulated interactions between participants and will certainly lead to collaboration in the near future. Thank you again for this wonderful experience.

"Modeling and Simulation of Gene and Cell Regulation and Metabolic Pathways" seminar (22 – 26 June 1998)

Stevo Bozinovski, University Sts. Cyril and Methodius, Skopje, Bulgaria

The seminar was great event. Probably the most interesting I attended.

"Modeling and Simulation of Gene and Cell Regulation and Metabolic Pathways" seminar (22 – 26 June 1998)

Thomas Simon Shimizu, Cambridge University, England

I have been to quite a number of academic conferences

... The Schloss' excellent facilities, beautiful environment and open atmosphere

on top of all this would have been too much to ask on top of all this, but you guys somehow pulled it all off... there you have it... I know I'm still young, and I know I'll be going to many more meetings in my life, but I definitely know that none will be as good as this one!!!

"Graph Algorithms and Application" seminar (26 – 31 July 1998)

Quoted from the preface of seminar report no. 219

All participants were greatly pleased that several young researchers were able to attend this workshop due to special European funding from the TMR-Program that the Dagstuhl Institution was able to organize. This contributed to the especially inspiring and refreshing atmosphere of the seminar. Schloss Dagstuhl and its staff provided a very convenient and stimulating environment.

"Architectural and Arithmetic Support for Multimedia" seminar

(31 August – 4 September 1998)

Quoted from the preface of seminar report no. 222

The facilities of Schloss Dagstuhl were extensively utilized, even such that formal conference submission was conceived, prepared and submitted during the week, meeting an imminent deadline.

"Scientific Visualization" seminar (31 August – 4 September 1998)

Quoted from an article by G. M. Nielson published in the Dagstuhl Chronicles

The Influence of the Dagstuhl Seminars on Visualization

The basic idea of Visualization is to use computer-generated images to gain information and understanding from data (geometry) and relationships (topology). Clearly this is a very powerful idea that is having immense impact on science, engineering and society in general. As a formal researching activity, Visualization is approximately a dozen years old. It is now firmly embedded into the scientific community with all of its requisite "infrastructure" items in place: users, developers and researchers, the recognition and support of professional societies and funding agencies, periodic conferences and workshops and archival journals. A series of Dagstuhl seminars (SV'91, SV'94 and SV'97) have had profound impact on the growth and development of this important and influential field.

As any new research field develops, there are themes that enter which are later discarded and there are some that remain and eventually determine the basic knowledge structure of the field. Even in the short dozen years of research in Visualization, it is easy to identify some of these themes which are of this stature. Several of these themes emerged and were developed at the Dagstuhl Seminars.

Multiresolution and Hierarchical Models were recognized at the very earliest seminars to be very important concepts for Visualization. All of the past seminars have involved presentation and discussions on these very important topics that

have become an integral part visualization research. Some of the very best research in this area was first presented at the Dagstuhl seminars.

Parallel and Distributed Computing, Computation Steering and Large Data Sets are extremely hot topics in visualization research today. There are several funding initiatives oriented in these directions and many research labs throughout the world are working on these topics which were discussed explicitly at the first Dagstuhl seminar on visualization in 1991 and have been the topics of lively discussions at all the subsequent Dagstuhl seminars.

Extracting Knowledge from Data and Features was first introduced at the 1994 Dagstuhl seminar on visualization. Today, it is clearly accepted that this exciting and intriguing research is essential to the continued growth of Visualization.

Virtual Reality, Haptics and Information Visualization also appeared at early Dagstuhl seminars. The importance of these topics today is a testament to the prophetic atmosphere created by the Dagstuhl seminars.

A3.2. Comments of the Participants of Other Events and Other Visitors

"CAD Tools and Algorithms for Product Design" (16 – 20 November 1998)
Nickolas S. Sapidis, National Technical University of Athens, Greece

Thank you very much for giving me the opportunity to participate in the Dagstuhl-Seminar on CAD Tools and Algorithms for Product Design.

... The organizers of this meeting deserve congratulations as they succeeded in assembling a highly diverse group of academics to internationally known authorities - that produced exciting presentations and discussions.

The organizers surely met the standards set by the previous "CAD Tools" Seminar in 1995 and have established this series of seminars as a very important forum for the state-of-the-art and new proposals in the field of "CAD technology".

I am looking forward to participating in future Dagstuhl-Seminars on the same topic.

Research stay (9 – 23 November 1998)
Ulrich Müller, Philipps University of Marburg, Germany

Der Aufenthalt war für mich sehr erfolgreich. Ich konnte ungestört von morgens bis abends arbeiten. Die Betreuung war einfach perfekt. Dagstuhl ist ein Glücksfall für die deutsche Wissenschaft, und ich schätze mich glücklich, daraus meinen Nutzen ziehen zu können.

Erik Granum, University of Aalborg, Denmark

We are looking forward to the Dagstuhl Seminar, which is a type of arrangement

well known to be a most rewarding experience for younger as well as senior participant

*Competence Center for Multimedia and Telematics, Manfred Knobloch,
22 July 1999*

Remark concerning the online library offering

“... wollte ich doch gleich mal Ihr Vorschlagstool ausprobieren. Das wiederum nicht zuletzt, weil ich keine guten Erfahrungen mit solchen Tools gemacht habe. Die Dinge, die wir zum Selbsteintrag anbieten leiden regelmäßig unter NICHTBENUTZUNG. Außerdem war es mir eine Freude auf den absolut funktionalen, schnellen und brauchbaren Seiten Ihres Hauses rumzsurfen – schön, daß es noch nicht überall nur blinkt und dauert!”

Other articles published in the *Dagstuhl Chronicles*:

<http://www.dagstuhl.de/10Years/Stories/>