

SCHLOSS DAGSTUHL

INTERNATIONAL CONFERENCE
AND RESEARCH CENTER FOR
COMPUTER SCIENCE

Dagstuhl Annual Report

January – December 2004

2005

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Dagstuhl Annual Report

January - December 2004

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Tim Otto Roth: "100 days — 100 Imachinations"
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1 The International Conference and Research Center for Computer Science, Schloss Dagstuhl

1.1 Stimulating Exchanges in Relaxed Surroundings

The objective of the International Conference and Research Center for Computer Science at Schloss Dagstuhl is to promote world-class research in computer science, support leading-edge continuing education, and promote the exchange of knowledge and findings between the academic community and industry.

Founded in 1990, the Center 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 the 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 report from their latest research and findings.

The seminars generally last one week. The Center assumes part of the associated costs in order to enable young, promising scientists and students to participate. Schloss Dagstuhl is also a research center, meaning it is more than just a collection of conference facilities and guestrooms. 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 using the Center's computing facilities. The Center has three lecture halls, several conference rooms, computer rooms, a spacious research library and 61 accommodation units — singles for the most part but also a couple of doubles and three studio apartments.

Every year Dagstuhl Seminars are booked at the Center for 40 to 45 weeks of the year which are attended by ca. 40-50 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 several weeks in most cases. There is only one condition 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 Türkismühle or St. Wendel. Upon arriving at the St. Wendel train station, guests can reach Wadern by taking regional Saar-Westpfalz busses. A makeshift stop is offered directly at Schloss Dagstuhl on Sunday afternoons, the time during which most seminar participants arrive.

Dagstuhl can also be reached by flying into the airports of Saarbrücken-Ensheim and Luxembourg. Some guests fly in via the Frankfurt Hahn Airport (Hunsrück). However, bus connections are available only from Monday to Saturday, meaning using the bus is exceedingly difficult as the seminar participants usually arrive on Sunday.

1.3 Structure of the Center

The International Conference and Research Center for Computer Science is operated by a non-profit organization whose associates are the Gesellschaft for Informatik e.V. (GI, or German Informatics Society), of Bonn, 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. Three internationally renowned research societies will soon be admitted to the non-profit organization:

- Max Planck Society (MPG), represented by the Max Planck Institute for Computer Science, of Saarbrücken, Germany (abbreviated below as “MPI Saarbrücken”)
- French National Institute for Research in Computer Science and Control (INRIA), of Rocquencourt, France
- Dutch National Research Institute for Mathematics and Computer Science (CWI), of Amsterdam, Netherlands

In February and September of 2002, the Center was evaluated by the *Wissenschaftsrat* (German Science Council) at the request of the two state governments and recommended for inclusion as a research service institution in the joint research funding of the federal and state governments (Blue

List). On 17 November 2003, the Federal Government–State Commission for Educational Planning and Research Promotion (BLK) passed a resolution for including the Center in the Blue List as of 2005. The joint funding of the Center by the federal and state governments will start in 2006.¹

The institutions of the Blue List have joined together in the Leibniz Association. The Center has been a member of the Leibniz Association since 26 November 2004.

1.4 Dagstuhl Bodies

Bodies in charges of the activities offered at the Center (for the body members, cf. Annex 1):

- Associates' Meeting

The Associates' Meeting convenes meetings of the Supervisory Board and is responsible for amendments to the articles of incorporation and the admission of other associates.

- Supervisory Board

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

It is composed of four representatives of the German Informatics Society (GI), one representative each of the three founding universities (Saarland, Karlsruhe, Kaiserslautern), two representatives of the universities that subsequently joined (Darmstadt, Frankfurt, Stuttgart, Trier), and one representative each of the state governments (Saarland and Rhineland-Palatinate) 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 and of members of the Scientific Advisory Board and the Industrial Curatory Board.

- Scientific Directorate

The Scientific Directorate is responsible for the Center's program. It reviews the applications for the Dagstuhl Seminars and decides whether they are to be approved. It reserves the right to approve the individuals included in the participant group. It makes suggestions concerning event topics when individual computer science fields are not well represented, and develops new event concepts.

The Scientific Directorate is comprised of one computer science professor each from the university associate members and four delegates of the GI's

¹ Cf. position paper issued by the *Wissenschaftsrat* dated 25 November 2003 (doc. no. 5523/03): <http://www.wissenschaftsrat.de/texte/5523-03.pdf>

Executive Board. Of these individuals, two are nominated by the GI's Advisory Board of University Professors (GIBU), which is independent of the GI's Executive Board. The Directorate's membership currently numbers 11 members, however it will comprise 14 members when the Center is expanded.

The members elect a Scientific Director from their midst. The members and the scientific director hold office for three years. Professor Reinhard Wilhelm has been the Center's Scientific Director since its founding.

There have been a number of structural changes in the Center's statutory bodies and staff following from its inclusion in the Blue List and associated membership in the Leibniz Association, and also as a result of undergoing expansion. As a consequence, there are now two additional deliberative bodies since January of 2003:

- Scientific Advisory Board

The members of the Scientific Advisory Board are internationally diverse. The Board's purpose is to lend critical support in the management of the Center with regard to its scientific orientation and the user orientation of its service offerings, and in fundamental decisions pertaining to the Center's continued development. Its task is to advise the Supervisory Board and Scientific Directorate in a scientific or subject-matter capacity. Another task is to evaluate the Center's achievements every two years and draft a status report including position paper and recommendations (audit) for the senate of the Leibniz Association.

The Board convened on 13 March 2003 on the occasion of its inaugural meeting and will conduct its first evaluation in Dagstuhl on 8 April 2005. Following this meeting the Center will host a colloquium to celebrate the admission of the three new associates, CWI, INRIA and MPG (see 1.3).

- Industrial Curatory Board

The Industrial Curatory Board performs a transmission function between the Center and the R&D departments and labs of industry. It also has the task of securing the acceptance of the Center by government authorities and industry and, being a promotional organization, expanding the Center's economic base. The task of the members of the Curatory Board is to promote current R&D topics and to locate attractive organizers in industry and provide program planning suggestions.

The Curatory Board is regularly called upon to propose suitable participants for seminars known to it from its activities, the Curatory Board having done this on several occasions in 2004.

The Curatory Board put forth the suggestion for a seminar on organic computing. This suggestion was forwarded to a scientist who joined together with colleagues and submitted a proposal. This seminar is scheduled to take place in January 2006.

1.5 The Dagstuhl Team

A 36-strong team including 3 trainees works under the supervision of the Center's two directors, Prof. Dr. Reinhard Wilhelm (Scientific Director) and Wolfgang Lorenz (Technical Administrative Director). 7 individuals are charged with general administrative tasks, 5 administer the library and IT systems, 22 are charged with housekeeping, cooking and maintenance.

Since 2003 efforts have been made to establish a scientific staff designed to support the seminar organizers and participants and the Scientific Directorate. The idea is to also have this department engage more in committee support and PR in the future. In December 2004 Dr. Roswitha Bardohl, one of the new members of the Center's scientific staff, was elected to the GI Executive Board. This resulted in closer collaboration with the GI, in addition to opening up a series of key contacts with the German computer science community.

1.6 Sponsors and Donors of the Center

The Center receives funding from other sources in addition to the funding received from the state governments of Saarland and Rhineland-Palatinate, the latter accounting for **78%** of the Center's total funding:

- Research Library

The Computer Science Research Library received regular book donations from the following publishers during 2004:

- dpunkt-Verlag
- Heise Verlag
- O'Reilly & Associates Inc.
- Pearson
- SIAM Society for Industrial and Applied Mathematics
- Springer-Verlag
- vdf Hochschulverlag

Individual donations came from the following publishers: Oldenbourg and Vieweg. The library also regularly receives book donations from seminar participants. The Center is grateful for donations of author's copies, particularly those of major works which are out of print. In total, the Center received 733 volumes during the year under review in the form of donations from publishing houses and seminar participants.

1.7 Schloss Dagstuhl Computer Science Center Foundation

A foundation was organized since the financing regulations imposed on the Center by public funding did not allow for much leeway in the Center's fiscal planning. Thus, it is now possible to react flexibly to unforeseen challenges and support scientists who would otherwise not be able to participate for financial reasons.

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, in addition to this Annual Report including the program of the Dagstuhl Seminars and other events hosted at the Center. Minimum annual membership fee: €60.

- Contributing member, corporate/institutional membership

Minimum annual membership fee: €600 for educational institutions, €1,200 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 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.

Sizable contributions are given honorable mention via the Dagstuhl website and other media (Example: <http://www.dagstuhl.de/04181>).

The following two seminars were sponsored by industry in 2004:

- **Microsoft Corporation, Redmond, WA, USA:** “*Atomicity in System Design and Execution*” (04181, 25–30 April 2004), C. Jones (Univ. of Newcastle, UK), D. Lomet (Microsoft Research, USA), A. Romanovsky (Univ. of Newcastle, UK), G. Weikum (MPI Saarbrücken, Germany)
- **BMW Car IT, Germany:** “*Synchronous Programming — SYNCHRON'04*” (04491, 28 November – 3 December 2004), S. A. Edwards (Columbia University, USA), N. Halbwachs (VERIMAG - IMAG, France), R. v. Hanxleden (University of Kiel, Germany), T. Stauner (BMW Car IT, Germany)

- Corporate donations

The Foundation continues to be 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 (€500,000).

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/Foundation/>.

Please refer to Annex 5 for the articles of incorporation of the Schloss Dagstuhl Computer Science Center Foundation.

2 Events at the International Conference and Research Center

The Center fulfills its designated tasks by organizing and hosting scientific seminars, and by providing the facilities offered by the Center for conducting various computer science conferences and working retreats.

2.1 Dagstuhl Seminars

The Dagstuhl research seminars are accorded top priority in the Center's annual program as they are a key instrument for promoting research. The 2004–2006 Dagstuhl Seminar program is to be found in Annex 2. An up-to-the-minute version is available on the Dagstuhl website. A wide range of topics are covered as depicted in the chart below.

Emphasis was accorded the following topics during 2004:

- Data Structures, Algorithms, Complexity
- Networks, VLSI, Architecture
- Computer Graphics, Computer Vision, Visualization
- Artificial Intelligence, Agents
- Semantics, Specifications

The topics of the approved and proposed seminars for 2005 and 2006 point to the following future trends:

- Software Engineering
- Networks, e.g. Secure Systems and Peer-to-Peer Applications
- Artificial Intelligence, i.e. Robotics
- Data Structures, Algorithms, Complexity

Dagstuhl's distinguishing accomplishment is the establishment of pioneering, interdisciplinary seminars which have virtually become institutions unto themselves. Many topics dealt with in depth at Dagstuhl subsequently develop into highly active research fields, resulting in some cases in DFG priority programs and other grant and funding programs. Below follows an overview of the topics on which seminars are regularly conducted at Dagstuhl. (The years indicated in parentheses indicate the first year a Dagstuhl seminar was conducted on the topic.)

Bioinformatics

Bioinformatics (1992)

Metabolic Pathways (1995)

Semantics in the World Wide Web (1999)

Various Dagstuhl Seminars have succeeded in bringing groups of researchers and scholars of various areas and disciplines together for the first time. To be sure, these individuals were involved in research in associated issues, methods and techniques, however they hadn't been able to benefit from a common discussion platform.

One example of this is the Multi-Objective Optimization seminar (04461) in 2004, at which scholars from the fields of operations research and evolutionary algorithms were brought together.

2.2 Perspectives Workshops

The Dagstuhl Seminars are supplemented by forums, which focus on subfields or are interdisciplinary. The forums are designed to

- contribute to an analysis of a field
- tap into potentials and development perspectives of existing fields of research
- detect shortcomings and problematic developments
- show research directions
- trigger innovation processes

These forums are designed to generate recommendations for donors and sponsors and give impetus to research projects and Dagstuhl seminars for key computer science areas.

For the most part, the workshop participants are 20-30 scientists of international standing in their respective fields who cover all subfields and subaspects. For the most part, key position papers on the respective topic are presented instead of current research findings. The primary elements of the gatherings are the discussions that take place.

Five Perspectives Workshops were conducted in 2004:

- ***“Empirical Theory and the Science of Software Engineering”***
25–29 January 2004, J. D. Herbsleb (CMU – Pittsburgh, USA), W. F. Tichy (Univ. of Karlsruhe, Germany)
- ***“Visualization and Image Processing of Tensor Fields”***
18–23 April 2004, J. Weickert (Saarland Univ., Germany), H. Hagen (TU of Kaiserslautern, Germany)
- ***“Quantum Computing”***
9–13 May 2004, R. Vollmar (Univ. of Karlsruhe, Germany)
- ***“Data Mining: The Next Generation”***
11–16 July 2004, R. Agrawal (IBM Almaden Center, USA), J. C. Freytag (HU Berlin, Germany), R. Ramakrishnan (Univ. of Wisconsin, Madison, WI, USA)

- **“Data Warehousing at the Crossroads”**
1–6 August 2004, J. Hammer (Univ. of Florida, USA), M. Schneider (Univ. of Florida, USA), T. Sellis (National Technical Univ. of Athens, Greece)

The *Quantum Computing* workshop was followed by a DFG Roundtable Talk hosted by the DFG.

Comprehensive Perspectives Workshops showing the entire spectrum of computer science and enabling an exchange of ideas between various fields are conducted in larger intervals. A *Perspectives Workshop on Theoretical Computer Science* is planned for November 2005.

2.3 Other Events

Other events are hosted at the Center apart from the Dagstuhl Seminars. In contrast to the Dagstuhl seminars, a fee (in some cases slightly subsidized) covering the costs of the event is charged to the guests of the institution organizing the event. This pertains to the following events:

- Continuing education offerings of the German Informatics Society (GI) and German Computer Science Academy (DIA), summer schools, CPD for teachers and instructors
- GI-Dagstuhl research seminars bringing together young scholars for a topic and funded by the German Informatics Society (GI)
- Preparation, expert assessments and conferences of the DFG’s collaborative research centers and priority programs
- Departmental conferences of graduate colleges, GI specialist groups and other academic and industrial working groups
- International computer science conferences

2.4 Research Stays

Many people regularly take advantage of Dagstuhl’s offer of using the Center for research stays. In most cases these are individuals who wish to use the Center as a retreat for several weeks in order to devote themselves to their dissertation or a publication undisturbed.

2.5 Utilization of the Center

100 events with 2,666 guests were featured in 2004, making for 10,375 overnight stays and the highest utilization rate ever. In so doing, the Center’s capacity limits have been reached. The Dagstuhl Seminars have shown to be most popular among the up to 80 proposals submitted per year. Dates for three-day events are increasingly being offered (Sunday – Wednesday and Thursday – Saturday) and the number of participants reduced to 30, enabling

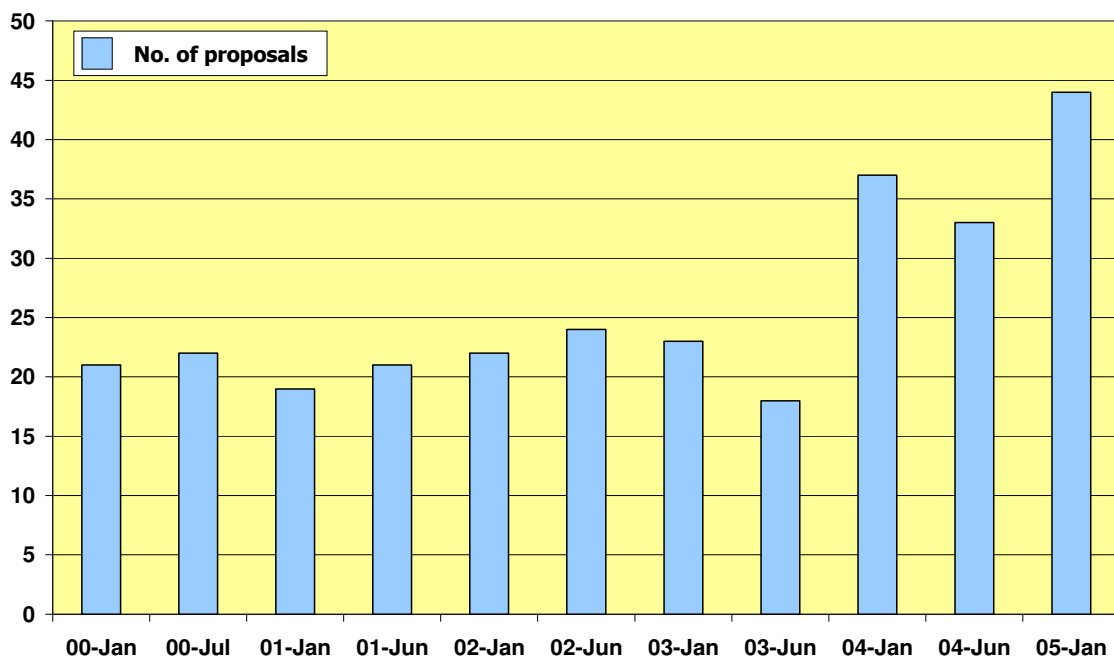
two events to be organized in parallel. Only few seminar organizers take advantage of these offerings.

However, working retreats and other workshops generally use this event format. The result is that three and sometimes four or five events take place in parallel and in sequence. Except for a few cases, the weekends have been kept free, as well as two weeks in August and at the end of the year, this time being required for maintenance work to building facilities and administrative work. Apart from a few isolated periods and a series of as yet unbooked parallel event slots for groups of up to 20 participants, the Center is booked up through October of 2006. (status: March 2005)

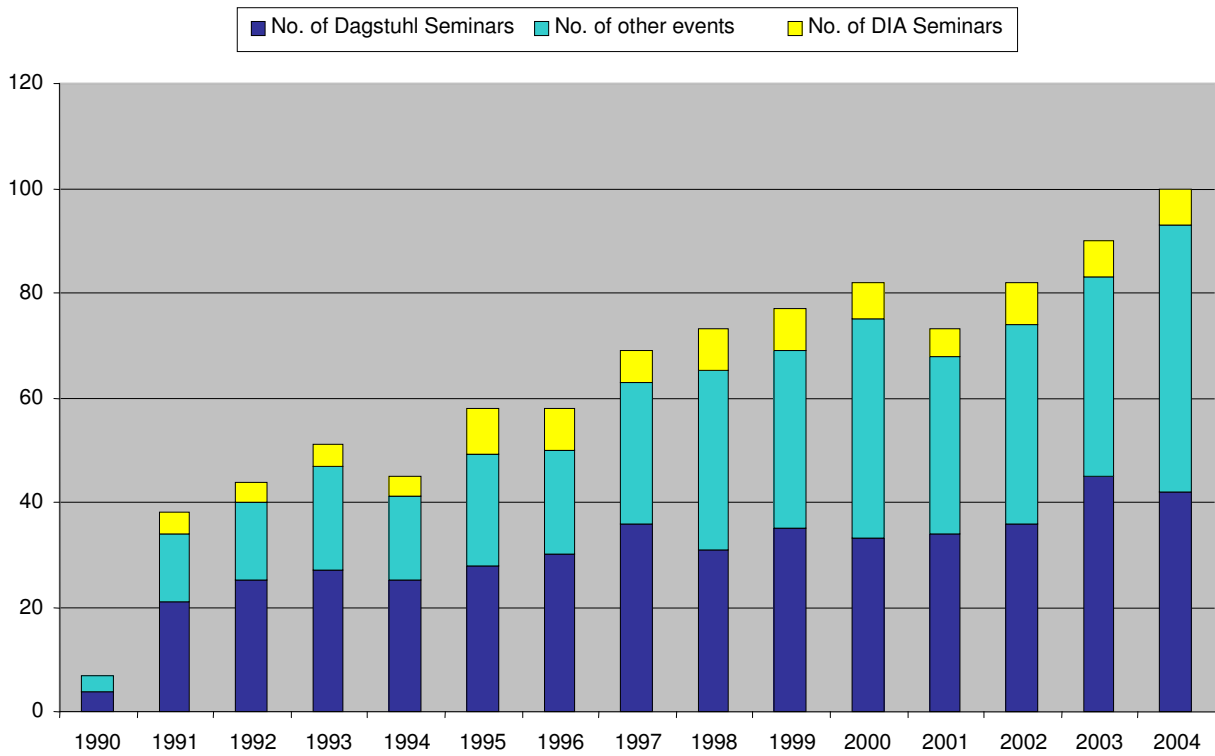
The following two diagrams show the increase in seminar proposals since 2000, as well as usage figures according to events and participants since the Center was founded, along with a breakdown according to the different event types.

For more particulars (date, title, organizer, etc.) on the various events of 2003, 2004 and 2005, please refer to the Annex. Dagstuhl's website contains further information on each event, e.g. objective, participant list, concluding report and, in some cases, references to in-depth information.

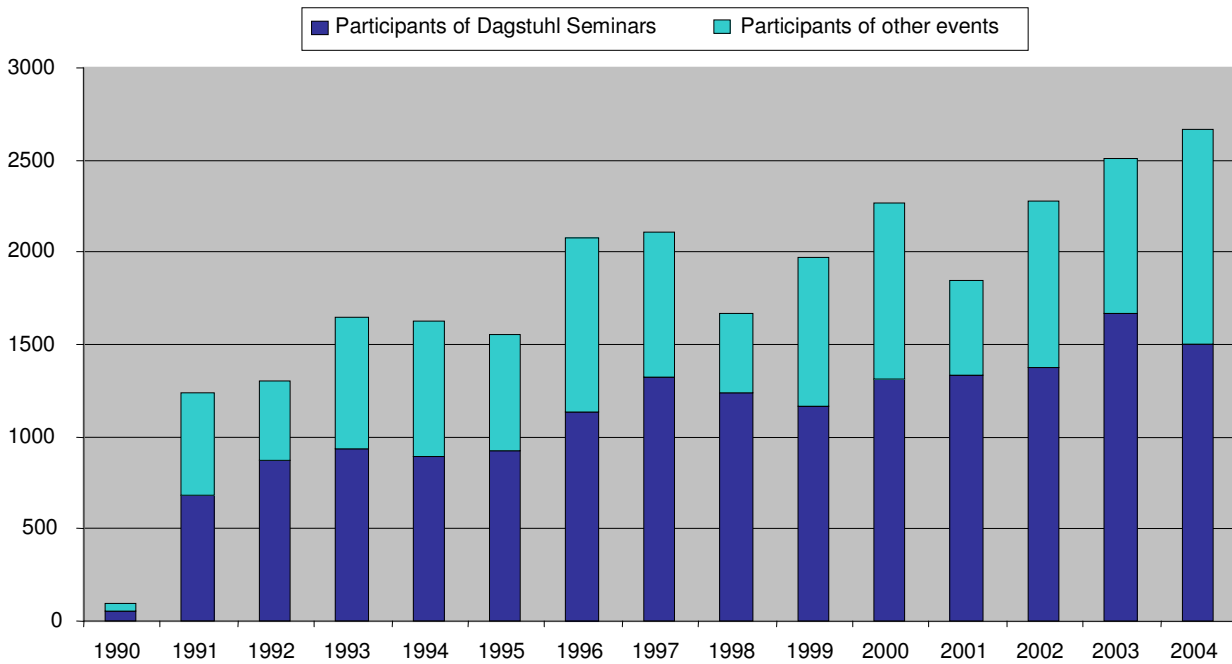
Dagstuhl Seminar Proposals 2000 – 2005



Events at Dagstuhl: 1990 – 2004



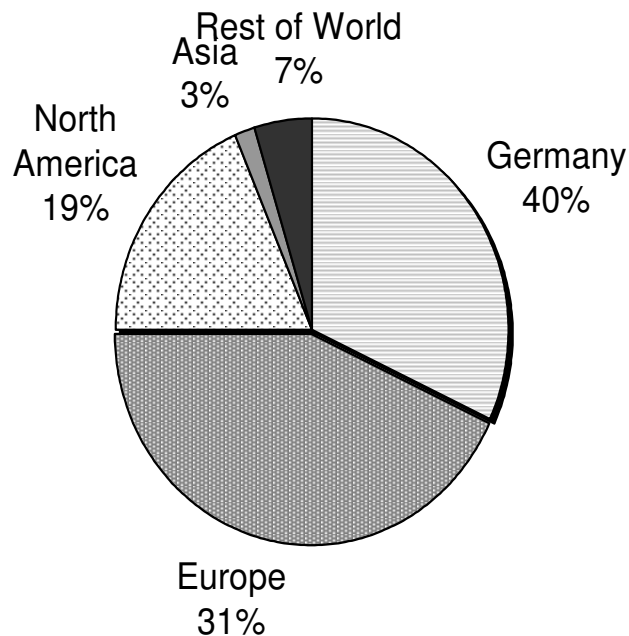
Dagstuhl Guests 1990 – 2004



2.6 Participants

At 64% the proportion of foreign guests in Dagstuhl Seminars was extremely high again during 2004, as compared to an overall proportion of 48% in other types of events (other European countries: 33% and 26% respectively). The following chart shows the distribution according to area of origin of our guests in 2004. For a detailed breakdown of the countries of origin of all the participants of Dagstuhl events, please refer to Annex 2.

Origin of Seminar Participants, 2004



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.

Annex 4 contains a number of excerpts from written reports and thank-you letters received by the Center.

3 Offerings for Dagstuhl's 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 beamers to which various computers and video systems can be connected. They also feature Internet access for the Center's desktop computers and participants' laptops. These facilities not only enable talks and papers to be presented in an optimal manner but also enable online demonstrations of active and distributed systems to be given to large audiences. Telephone conferences are also possible.

3.2 Computers and Networking

- **Hardware**

The guests have round-the-clock access to computer equipment consisting of ca. 25 networked workstations and SunRay terminals along with the associated peripherals in two computer rooms and in the lecture halls. 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.

SUN SunRay thin clients are used in both computer rooms.

- **WLAN**

A wireless LAN is set up in the old building, enabling the guest rooms and some of the function rooms to be networked and provided with Internet access. This is available to guests assuming their laptops are equipped with the proper PCI card.

The WLAN also includes the library in the new building, providing for a large number of laptop places featuring Internet access. Researching the library's on-line catalogue can be conveniently done from one's own laptop.

- **Terminal servers**

A terminal server solution under Windows 2000 with a Citrix metaframe was implemented for improving the integration of staff, particularly those in Dagstuhl Office in Saarbrücken, by linking them to the Center's database. This service has since been extended to the Center's guests. By virtue of the SunRays introduced in 2001, guests have a Unix and Windows environment at their fingertips at the same workstation, in so doing enabling the thin

client technology featuring central administration to be implemented throughout the Center.

Year under review 2004:

three additional research workstations were installed in the library. Thin clients were used here owing to the positive experience with this reliable technology in the past (particularly when it comes to maintenance and management).

3.3 Research 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 library collects current research literature on computer science, primarily in English. As of 31 December 2004, the library's assets totaled 46881 bibliographic units including 436 journals.

The literature is arranged on four 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 at the disposal of the Dagstuhl Seminar participants 24/7 for their research work on site. An additional three terminals were set up, making for a total of five workstations available to visitors to the library.

Special book exhibits regularly take place in the library's entrance area. Every week the books authored by the participants of the current Dagstuhl Seminar are put out on display. The authors are also requested to sign their books. If desired, book exhibits on a particular topic are also put together by the organizers. In addition, all book donations received from publishers are exhibited separately and the exhibits regularly updated. This service is highly appreciated by the Center's guests and publishers alike.

External scholars can also use the library provided they register beforehand. In order to support computer science research in Germany and throughout the world, the Center's periodicals are also made available to other libraries, particularly by way of inter-library loans.

The following can be accessed via the library's webpage: on-line catalogue, journal list with access to the journals available online, in addition to other information offerings.

For more information see: <http://www.dagstuhl.de/Library/>

3.4 Publications

As mentioned above, no finished work or projects are presented at Dagstuhl Seminars, but rather the seminars serve to provide insight in ongoing research. Consequently, as a rule proceedings volumes are not published on

the seminars. Instead the participants are called upon to submit abstracts and other material on their papers or talks as well as on key discussions and round-table talks, which are then complemented by a review and outlook contributed by the organizers and then published by the Center.

Until 1999 the **Dagstuhl Seminar Reports** were printed and distributed as brochures. Between 2000 and 2002 they were available in electronic form only and could be retrieved via the seminar page of Dagstuhl's web server. (cf. <http://www.dagstuhl.de/files/Reports/>)

Since 2004 they have been published on line in the **Dagstuhl Seminar Proceedings**. The proceedings contain a summary by the organizers on each seminar in addition to an abstracts collection outlining the content of the talks presented. In addition, the participants can submit (draft) papers.

With the **Dagstuhl Research Online Publication Server, a.k.a. DROPS**, a new platform was created in 2004 which administers all the requisite metadata on each publication in accordance with general guidelines, thus ensuring availability in the long term. This enables the online publications to be cited and be accessible by a wide readership. In addition to the *Dagstuhl Seminar Proceedings*, this server is capable of also accommodating other publications (<http://www.dagstuhl.de/DROPS/>).

This concept, which was developed during 2003 and 2004, enables the seminar participants to first upload material (slides) to the server, which is then used on site and can be made available to other participants. After the seminar, participants are prompted by a call for papers to submit publishable documents on a second platform for the purpose of publications on DROPS. The seminar organizers decide which of the submitted documents are published. On the DROPS server (features the OPUS publication system), the documents are compiled into seminar portals (example: <http://drops.dagstuhl.de/portals/04101/>), however searching by keywords and full-text searching also enabled.

Of the 1195 documents which were uploaded to the materials platform in the course of 2004 (1.4 GB), most of which was slides accompanying talks and presentations, 187 extended abstracts, papers and other documents have been submitted for publication on DROPS. A series of other documents was also prepared.

Materials and DROPS 2004

Status: March 2005

Type	Seminar materials	Submitted for publication on DROPS
Seminars	42	19 ¹
Titles	1494 ²	163
Extended abstracts	257	73
Slides	647	0
Papers	198	107
Other	93	7
Documents ³	1195	187

¹ Call for papers: starting the second week of June

² Of a total of 1617 seminar participants in 2004

³ Extended abstracts, slides, papers, other

Monographs, conference reports or special issues are published by many journals on some of the seminars. This is frequently also done for the other events. The list of all publications available in the Dagstuhl library can be accessed at <http://www.dagstuhl.de/Library/DagstuhlBooks/>. The organizers of the events are asked to share key, intriguing results with the Center.

If a particular work is the result of a significant contribution made at Dagstuhl, we would appreciate being notified and mention being made of this in subsequent publications.

3.5 Internet Offerings

Content and objectives of the Center's web offerings:

- *Dissemination of general information* on the Center, e.g. concept, program, application particulars, the Foundation
- *Offering participants travel information on how to get to the Center* (site plan, train and bus schedules, taxi services, etc.)
- *Presenting the Research Library* along with its offerings and resources and enabling research in the Dagstuhl Library catalogue
- *Provision of information on seminars and events* (e.g. seminar objectives, scientists from whom applications have been accepted, publications)
- Providing a platform for exchanging materials among the seminar participants

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. The web server administers 773 static pages, of which 397 are in German and 376 in English. Each seminar has a page of its own featuring links to a motivation text, list of participants, publications, etc. These pages also offer the participants a platform where they can upload and administer material on the seminar (slides, documents) or their presentation. Together with the seminar lists and similar, 62 types of pages are dynamically generated using ca. 1,000 data files.

Access statistics:

- Page accesses/day: 25,000 – 30,000
- The Dagstuhl webpage receives 6,000 hits a month. General information is accessed ca. 28,000 times a month, including, for example, travel information (1,200 hits) or the list of donated *objets d'art* (1,600 hits). The pages used by the seminar participants to administer their documents receive the most hits, being accessed an average of 14,000 times a month.
- 40% of the queries from US domains (including various search engines), 32% from Germany, 9% from Switzerland, <6% from EU members, and <13% from other countries.

3.6 Ambience

The participants typically describe the atmosphere at Schloss Dagstuhl as being surprisingly pleasant and being instrumental in 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.

3.7 Art

- “Dagstuhl Gallery”

Exhibits of artists are regularly 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. 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.

The following exhibits were organized in 2004:

8 March – 30 April 2004

Baik-ran Kim-Turaç (Paderborn, Germany)

26 July – 15 October 2004

Steven Hautemanière (Wuppertal, Germany)

25 October – 16 December 2004

“*Druckstücke*” (“Printed Items”), etchings and collages by
Christine Steuernagel (Paderborn, Germany)

26 November 2004 – 6 March 2005

“100 days — 100 Imachinations”: Internet-based megaprojection
Tim Otto Roth (Oppenau i. Schw., Germany)

For artist’s profiles, portfolios, concepts of the individual exhibits, please refer to <http://www.dagstuhl.de/Art/>.

- Purchasing of art through donations

Dagstuhl’s website 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.

Access via: <http://www.dagstuhl.de/Art/>

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

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1 Dagstuhl Bodies

(status: March 2005)

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Representative of the University of Kaiserslautern

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Representative of Rhineland-Palatinate

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Representative of the University of Karlsruhe
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Representative of the University of Kaiserslautern
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GI representative (Executive Board)
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GI representative (GI Advisory Board of University Professors)
- Prof. Dr. Christoph Walther, Technical University of Darmstadt,
Representative of the Technical University of Darmstadt
- * Prof. Dr. Gerhard Weikum, Max Planck Institute for Computer Science,
Saarbr ucken
Max Planck Society representative
- Prof. Dr. Ingo Wegener, University of Dortmund
GI representative (GI Advisory Board of University Professors)
- Prof. Dr. Reinhard Wilhelm, University of Saarland,
Scientific Director
Representative of Saarland University

[* Visiting members until the conclusion of the approval procedure]

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University
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- Prof. Dr. Dorothea Wagner, University of Karlsruhe, Chairman
Executive Board member of the German Informatics Society (GI)

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- Dr. Bernd Reuse, Representative of the German Federal Government
- Hans Seus, Representative of Rhineland-Palatinate

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2.1 Dagstuhl Seminars

For information on the individual seminars please refer to
<http://www.dagstuhl.de/<seminar no.>>

2004

04021, 4 – 9 January 2004

Content-Based Retrieval

J. Malik (UC Berkeley, USA), H. Samet (Univ. of Maryland, USA), R. Veltkamp (Utrecht Univ., NL), A. Zisserman (Univ. of Oxford, UK)

04041, 18 – 23 January 2004

Component-Based Modeling and Simulation

F. J. Barros (Univ. de Coimbra, PT), A. Lehmann (Univ. Bundeswehr München, DE), P. Liggesmeyer (HPI Potsdam, DE), A. Verbraeck (TU Delft, NL), B. P. Zeigler (Univ. of Arizona, Tucson, USA)

04051, 25 – 29 January 2004

Perspectives Workshop: Empirical Theory and the Science of Software Engineering

J. D. Herbsleb (CMU – Pittsburgh, USA), W. F. Tichy (Univ. of Karlsruhe, DE)

04061, 1 – 6 February 2004

Real Computation and Complexity

T. Lickteig (Univ. of Limoges, FR), K. Meer (Univ. of Southern Denmark, DK), L.M. Pardo (Univ. de Cantabria, ES)

04081, 15 – 20 February 2004

Theory of Evolutionary Algorithms

H.-G. Beyer (Univ. of Dortmund, DE), T. Jansen (Univ. of Dortmund, DE), C. Reeves (Coventry Univ., UK), M. D. Vose (Univ. of Tennessee, USA)

04091, 22 – 27 February 2004

Data Structures

S. Albers (Univ. of Freiburg, DE), R. Sedgewick (Princeton, USA), D. Wagner (Univ. of Karlsruhe, DE)

04101, 29 February – 5 March 2004

Language Engineering for Model-Driven Software Development

J. Bézivin (Univ. of Nantes, FR), R. Heckel (Univ. of Leicester, UK)

04111, 7 – 10 March 2004

Peer-to-Peer Systems and Applications

A. D. Joseph (UC Berkeley, USA), R. Steinmetz (TU Darmstadt, DE), I. Stoica (UC Berkeley, USA), K. Wehrle (Univ. of Tübingen, DE)

04121, 14 – 19 March 2004

Evaluating Embodied Conversational Agents

Z. Ruttkay (CWI, Amsterdam, NL), E. André (Univ. of Augsburg, DE), K. Höök (IT University Kista, SE), W. Lewis Johnson (USC Marina del Rey, USA), C. Pelachaud (Univ. of Paris, FR)

04122, 14 – 19 March 2004

Wireless Sensor Networks and Applications

A. Ferscha (Univ. of Linz, AT), S. Olariu (Old Dominion Univ., Norfolk, USA), T. Pfeifer (Waterford Institute of Technology, IE)

04131, 21 – 26 March 2004

Geometric Properties from Incomplete Data

R. Klette (Univ. of Auckland, NZ), R. Kozera (Univ. of Western Australia, AU), L. Noakes (Univ. of Western Australia, AU), J. Weickert (Saarland University, DE)

04141, 28 March – 2 April 2004

Complexity of Boolean Functions

J. Hastad (Stockholm, SE), M. Krause (Univ. of Mannheim, DE), P. Pudlak (Academy of Sciences of the Czech Republic, CZ), I. Wegener (Univ. of Dortmund, DE)

04161, 12 – 16 April 2004

Detecting Local Patterns

J.-F. Boulicaut (INSA Lyon, FR), K. Morik (Univ. of Dortmund, DE), A. Siebes (Utrecht University, NL)

04171, 18 – 23 April 2004

Logic Based Information Agents

J. Dix (Univ. of Manchester, UK), Th. Eiter (TU Of Vienna, AT), E. Franconi (FU Bolzano, IT)

04172, 18 – 23 April 2004

Perspectives Workshop: Visualization and Image Processing of Tensor Fields

J. Weickert (Saarland Univ., DE), H. Hagen (TU of Kaiserslautern, DE)

04181, 25 – 30 April 2004

Atomicity in System Design and Execution

C. Jones (Univ. of Newcastle, UK), D. Lomet (Microsoft Research, USA),
A. Romanovsky (Univ. of Newcastle, UK), G. Weikum (MPI Saarbrücken, DE)

04201, 11 – 14 May 2004

Content Distribution Infrastructures

C. Griwodz (Univ. of Oslo, NO), T. Plagemann (Univ. of Oslo, NO), R. Steinmetz (TU of Darmstadt, DE)

04202, 9 – 13 May 2004

Perspectives Workshop: Quantum Computing

T. Beth (Univ. of Karlsruhe, DE)

04211, 16 – 21 May 2004

Algorithms and Number Theory

J. Buhler (Reed College, USA), J. Cremona (Univ. of Nottingham, UK),
M.E. Pohst (TU of Berlin, DE)

04221, 23 – 28 May 2004

Robust and Approximative Algorithms on Particular Graph Classes

A. Brandstädt (Univ. of Rostock, DE), D. Corneil (Univ. of Toronto, CA),
K. Jansen (Univ. of Kiel, DE), J. Spinrad (Vanderbilt Univ., Nashville TN, USA)

04231, 31 May – 4 June 2004

Scheduling in Computer and Manufacturing Systems

J. Blazewicz (TU of Poznan, PL), K. Ecker (TU of Clausthal, DE), E. Pesch (Univ. of Siegen, DE), D. Trystram (IMAG, Grenoble, FR)

04241, 6 – 11 June 2004

Graph Transformations and Process Algebras for Modeling Distributed and Mobile Systems

B. König (Univ. of Stuttgart, DE), U. Montanari (Univ. di Pisa, IT), P. Gardner (Imperial College London, UK)

04251, 13 – 18 June 2004

Imaging Beyond the Pin-hole Camera. 12th Seminar on Theoretical Foundations of Computer Vision

K. Daniilidis (Univ. of Pennsylvania, USA), R. Klette (Univ. of Auckland, NZ), A. Leonardis (Univ. of Ljubljana, SI)

04261, 20 – 25 June 2004

Algorithmic Methods for Railway Optimization

L. Kroon (NS Reizigers & Univ. Rotterdam, NL), D. Wagner (Univ. of Karlsruhe, DE), F. Wagner (Deutsche Bahn & FU of Berlin, DE), C. Zaroliagis (CTI & Univ. of Patras, GR)

04271, 27 June – 2 July 2004

Preferences: Specification, Inference, Applications

G. Bosi (Univ. of Trieste, IT), R. Brafman (Ben-Gurion Univ., IL), J. Chomicki (Univ. of NY at Buffalo, USA), W. Kiessling (Univ. of Augsburg, DE)

04281, 4 – 9 July 2004

Integrative Bioinformatics — Aspects of the Virtual Cell

J. Collado-Vides (UNAM Mexico, MX), R. Hofestädt (Univ. of Bielefeld, DE), C. Sensen (Univ. of Calgary, CA)

04292, 11 – 16 July 2004

Perspectives Workshop: Data Mining: The Next Generation

R. Agrawal (IBM Almaden Center, USA), J. C. Freytag (HU Berlin, DE), R. Ramakrishnan (Univ. of Wisconsin, Madison, WI USA)

04301, 18 – 23 July 2004

Cache-Oblivious and Cache-Aware Algorithms

L. Arge (Duke Univ., Durham, USA), M. A. Bender (SUNY Stony Brook, USA), E. D. Demaine (MIT Cambridge, USA), Ch. E. Leiserson (MIT Cambridge, USA), K. Mehlhorn (MPI Saarbrücken, DE)

04321, 1 – 6 August 2004

Perspectives Workshop: Data Warehousing at the Crossroads

J. Hammer (Univ. of Florida, USA), M. Schneider (Univ. of Florida, USA), T. Sellis (National Technical Univ. of Athens, GR)

04351, 22 – 27 August 2004

Spatial Representation: Discrete vs. Continuous Computational Models

R. Kopperman (City University of New York, USA), M. B. Smyth (Imperial College London, UK), D. Spreen (Univ. of Cape Town, ZA), J. Webster (Imperial College London, UK)

04371, 5 – 10 September 2004

Perspectives of Model-Based Testing

E. Brinksma (Univ. of Twente, NL), W. Grieskamp (Microsoft Research, Redmond, WA, USA), J. Tretmans (Univ. of Nijmegen, NL), E. Weyuker (AT&T Labs, USA)

04371, 6 – 11 September 2004

Perspectives of Model-Based Testing

E. Brinksma (Univ. of Twente, NL), W. Grieskamp (Microsoft Research, Redmond, WA, USA), J. Tretmans (Univ. of Nijmegen, NL), E. Weyuker (AT&T Labs, USA)

04381, 12 – 17 September 2004

Dependently Typed Programming

T. Altenkirch (Univ. of Nottingham, UK), M. Hofmann (LMU of Munich, DE), J. Hughes (Chalmers TU, Göteborg, SE)

04391, 19 – 24 September 2004

Semantic Interoperability and Integration

Y. Kalfoglou (Univ. of Southampton, UK), M. Schorlemmer (Int. Univ. of Barcelona, ES), A. Sheth (Univ. of Georgia, Athens, USA), S. Staab (Univ. of Karlsruhe, DE), M. Uschold (Boeing, Seattle, WA, USA)

04401, 26 September – 1 October 2004

Algorithms and Complexity for Continuous Problems

T. Müller-Gronbach (Univ. of Magdeburg, DE), E. Novak (Univ. of Jena, DE), K. Petras (TU of Braunschweig, DE), J. F. Traub (Columbia Univ., USA)

04411, 3 – 6 October 2004

Service Management and Self-Organization in IP-based Networks

M. Bossardt, (ETH Zurich, CH), G. Carle (Univ. of Tübingen, DE), D. Hutchison (Lancaster Univ., UK), H. de Meer (Univ. of Passau, DE), B. Plattner (ETH Zurich, CH)

04421, 10 – 15 October 2004

Algebraic Methods in Computational Complexity

H. Buhrman (CWI, Amsterdam, NL), L. Fortnow (NEC, Princeton, NJ, USA), T. Thierauf (FH Aalen, DE)

04431, 17 – 22 October 2004

Cognitive Networks and Radios

J. Mitola (KTH, Kista, SE), P. Mähönen (RWTH Aachen, DE), J. Pereira (European Commission, Brussels, BE)

04441, 24 – 29 October 2004

Mobile Information Management

M. Dunham (SMU, Dallas, USA), B. König-Ries (Univ. of Karlsruhe, DE), E. Pitoura (Univ. of Ioannina, GR), P. Reiher (Univ. of California at Los Angeles, USA), C. Türker (ETH Zurich, CH)

04451, 1 – 5 November 2004

Future Generation Grids — FGG 2004

M. Cosnard (INRIA Sophia Antipolis, FR), V. Getov (Univ. of Westminster, UK), D. Laforenza (CNR, Pisa, IT), A. Reinefeld (K. Zuse Zentrum Berlin, DE)

04461, 7 – 12 November 2004

Practical Approaches to Multi-Objective Optimization

J. Branke (Univ. Karlsruhe, DE), D. Kalyanmoy (Indian Inst. of Technology, Kanpur, IN), K. Miettinen (Helsinki School of Economics, FI), R. E. Steuer (Univ. of Georgia, USA)

04491, 28 November – 3 December 2004

Synchronous Programming — SYNCHRON'04

S. A. Edwards (Columbia University, USA), N. Halbwachs (VERIMAG – IMAG, FR), R. v. Hanxleden (Univ. of Kiel, DE), T. Stauner (BMW Car IT, DE)

04511, 12 – 17 December 2004

Architecting Systems with Trustworthy Components

R. Reussner (Univ. of Oldenburg, DE), J. Stafford (Tufts Univ., Medford, MA, USA), C. Szyperski (Microsoft Research, Redmond, WA, USA)

2005

05011, 3 – 7 January 2005

Computing and Markets

D. Lehmann (Univ. of Jerusalem, IL), R. Müller (Maastricht Univ., NL), T. Sandholm (CMU, Pittsburgh, PA, USA)

05021, 9 – 14 January 2005

Mathematics, Algorithms, Proofs

T. Coquand (Chalmers, Göteborg, SE), H. Lombardi (Université de Franche-Comté, FR), M.-F. Roy (Université de Rennes, FR)

05031, 16 – 21 January 2005

Algorithms for Optimization with Incomplete Information

S. Albers (Univ. of Freiburg, DE), R. H. Möhring (TU of Berlin, DE), G. Ch. Pflug (Univ. of Vienna, AT), R. Schultz (Univ. of Duisburg-Essen, DE)

05051, 30 January – 4 February 2005

Probabilistic, Logical and Relational Learning — Towards a Synthesis

L. De Raedt (Univ. of Freiburg, DE), T. Dietterich (Oregon State Univ., USA), L. Getoor (Univ. of Maryland, USA), S. H. Muggleton (Imperial College London, UK)

05061, 6 – 11 February 2005

Foundations of Semistructured Data

F. Neven (Univ. of Limburg, BE), T. Schwentick (Univ. of Marburg, DE), D. Suciu (Univ. of Washington, USA)

05071, 13 – 18 February 2005

Machine Learning for the Semantic Web

F. Ciravegna (Univ. of Sheffield, UK), A. Doan (Univ. of Illinois, Urbana-Champaign, IL, USA), C. Knoblock (USC/ISI, Marina del Rey, CA, USA), N. Kushmerick (Univ. College Dublin, IR), S. Staab (Univ. of Karlsruhe, DE)

05081, 20 – 25 February 2005

Foundations of Global Computing

J. Luiz Fiadeiro (Univ. of Leicester, UK), U. Montanari (Univ. di Pisa, IT), M. Wirsing (Univ. of Munich, DE)

05091, 1 – 4 March 2005

Multimedia Research — Where Do We Need to Go Tomorrow

S. Boll (Univ. of Oldenburg, DE), T.-S. Chua (National University of Singapore, SG), N. Dimitrova (Philips Labs., Briarcliff Manor, NY, USA), R. Jain (Georgia Institute of Technology, USA)

05101, 6 – 11 March 2005

Scheduling for Parallel Architectures: Theory, Applications, Challenges

E. Altman (IBM TJ Watson Research Center, USA), J. Dehnert (Transmeta, Santa Clara, CA, USA), C. W. Kessler (Linköping Univ., SE), J. Knoop (TU of Vienna, AT)

05111, 13 – 18 March 2005

Computational Geometry

H. Alt (FU of Berlin, DE), F. Aurenhammer (TU Graz, AT), D. Halperin (Tel Aviv Univ., IL)

05141, 3 – 8 April 2005

Power-aware Computing Systems

L. Benini (Università di Bologna, IT), U. Kremer (Rutgers Univ., Piscataway, NJ, USA), C. Probst (Univ. of California at Irvine, USA), P. Schelkens (Brussels, BE)

05142, 3 – 6 April 2005

Disruption-Tolerant Networking

M. Brunner (NEC Europe, Heidelberg, DE), L. Eggert (NEC Europe, Heidelberg, DE), K. Fall (Intel Berkeley Labs, USA), J. Ott (Univ. of Bremen, DE), L. Wolf (TU of Braunschweig, DE)

05151, 10 – 15 April 2005

Annotating, Extracting and Reasoning about Time and Events

G. Katz (Univ. of Osnabrück, DE), J. Pustejovsky (Brandeis Univ., Waltham, MA, USA), F. Schilder (Univ. of Hamburg, DE)

05161, 17 – 22 April 2005

Transformation Techniques in Software Engineering

J. Cordy (Queens Univ., CA), R. Lämmel (Microsoft Research, Redmond, USA), A. Winter (Univ. of Koblenz-Landau, DE)

05171, 24 – 29 April 2005

Nonmonotonic Reasoning, Answer Set Programming and Constraints

G. Brewka (Univ. of Leipzig, DE), I. Niemelä (Helsinki Univ. of Technology, FI), T. Schaub (Univ. of Potsdam, DE), M. Truszczynski (Univ. of Kentucky, USA)

05181, 1 – 4 May 2005

Mobile Computing and Ambient Intelligence: The Challenge of Multimedia

N. Davies (Lancaster University, UK), T. Kirste (FhG IGD, Darmstadt, DE), H. Schumann (Univ. of Rostock, DE)

05191, 8 – 13 May 2005

Graph Drawing

M. Jünger (Univ. of Cologne, DE), S. Kobourov (Univ. of Arizona, USA), P. Mutzel (Univ. of Dortmund, DE)

05201, 15 – 20 May 2005

Design and Analysis of Randomized and Approximation Algorithms

M. Dyer (Univ. of Leeds, UK), M. Jerrum (Univ. of Edinburgh, UK), M. Karpinski (Univ. of Bonn, DE)

05221, 29 May – 3 June 2005

Geometric Modeling

G. Brunnett (TU of Chemnitz, DE), G. Farin (ASU, Tempe, USA), R. Goldman (Rice University, USA), S. Hahmann (LMC-IMAG, Grenoble, FR)

05231, 5 – 10 June 2005

Scientific Visualization: Challenges for the Future

T. Ertl (Univ. of Stuttgart, DE), E. Gröller (TU of Vienna, AT), K. Joy (Univ. of California at Davis, USA), G. Nielson (ASU, Tempe, USA)

05241, 12 – 17 June 2005

Synthesis and Planning

H. Kautz (Univ. of Washington, USA), W. Thomas (RWTH Aachen, DE), M. Y. Vardi (Rice University, USA)

05251, 19 – 24 June 2005

Types for Tools: Applications of Type Theoretic Techniques

F. Henglein (DIKU Copenhagen, DK), M. Odersky (EPFL, Lausanne, CH), F. Tip (IBM TJ Watson Research Center, USA), J. Vitek (Purdue University, USA)

05261, 26 June 2005 – 1 July 2005

Multi-Version Program Analysis

T. Ball (Microsoft Research, Redmond, WA, USA), S. Diehl (Saarland Univ., DE), D. Notkin (Univ. of Washington, USA), A. Zeller (Saarland Univ., DE)

05271, 3 – 8 July 2005

Semantic Grid: The Convergence of Technologies

C. Goble (Manchester Univ., UK), C. Kesselman (Univ. of Southern California, USA), Y. Sure (Univ. of Karlsruhe, DE)

05281, 10 – 15 July 2005

Simulation & Scheduling

J. Fowler (ASU, Tempe, AZ, USA), B. Nelson (NW University, Evanston, IL, USA), M. Pinedo (New York University, USA), O. Rose (TU of Dresden, DE)

05291, 17 – 22 July 2005

Sublinear Algorithms

A. Czumaj (New Jersey Inst. of Technology, USA), M. Muthukrishnan (AT&T Research, USA), R. Rubinfeld (MIT, Cambridge, MA, USA), C. Sohler (Univ. of Paderborn, DE)

05301, 24 – 29 July 2005

Exact Algorithms and Fixed-Parameter Tractability

R. Downey (Univ. of Wellington, NZ), M. Grohe (HU Berlin, DE), M. Hallett (McGill Univ., CA), G. Woeginger (Univ. of Twente, NL)

05311, 31 July – 5 August 2005

Verifying Optimizing Compilers

J. Knoop (TU of Vienna, AT), G. Necula (Univ. of California at Berkeley, USA), W. Zimmermann (Univ. of Halle-Wittenberg, DE), L. Zuck (Courant Institute, New York Univ., USA),

05321, 7 – 12 August 2005

Belief Change in Rational Agents:

J. Delgrande (Simon Fraser Univ., CA), J. Lang (IRIT, Toulouse, FR), H. Rott (Univ. of Regensburg, DE), J.-M. Tallon (Univ. of Paris I, FR)

05361, 4 – 9 September 2005

Algorithmic Aspects of Large and Complex Networks

St. Leonardi (Univ. di Roma "La Sapienza", IT), F. Meyer auf der Heide (Univ. of Paderborn, DE), D. Wagner (Univ. of Karlsruhe, DE)

05371, 11 – 16 September 2005

Principles and Practices of Semantic Web Reasoning

F. Bry (Univ. of Munich, DE), F. Fages (INRIA Rocquencourt, FR), M. Marchiori (MIT, Cambridge, MA, USA), H.-J. Ohlbach (Univ. of Munich, DE)

05381, 18 – 23 September 2005

Form and Content in Sensor Networks

L. Guibas (Stanford Univ., USA), U. D. Hanebeck (Univ. of Karlsruhe, DE), T. C. Henderson (Univ. of Utah, USA)

05382, 21 – 24 September 2005

Efficient Text Entry

K. Harbusch (Univ. of Koblenz-Landau, DE), K.-J. Raiha (Univ. of Tampere, FI), K. Tanaka-Ishii (Univ. of Tokyo, JP)

05391, 25 – 30 September 2005

Algebraic and Numerical Algorithms and Computer-assisted Proofs

B. Buchberger (Univ. of Linz, AT), S. Oishi (Waseda Univ., JP), M. Plum (Univ. of Karlsruhe, DE), S. M. Rump (TU of Hamburg-Harburg, DE)

05402, 6 – 8 October 2005

Challenges for Software Engineering Research

M. Broy (TU of Munich, DE), M. Jarke (RWTH Aachen, DE), M. Nagl (RWTH Aachen, DE), H.D. Rombach (FhG IESE, Kaiserslautern, DE)

05411, 9 – 14 October 2005

Anonymous Communication and its Applications

S. Dolev (Ben Gurion Univ., IL), R. Ostrovsky (Univ. of California at Los Angeles, USA), A. Pfitzmann (TU of Dresden, DE)

05421, 16 – 21 October 2005

Data Always and Everywhere — Management of Mobile, Ubiquitous, Pervasive, and Sensor Data

G. Alonso (ETH Zurich, CH), Ch. S. Jensen (Aalborg University, DK), B. Mitschang (Univ. of Stuttgart, DE), O. Risnes (Telenor Research and Development, NO)

05431, 23 – 28 October 2005

Deduction and Applications

F. Baader (TU of Dresden, DE), P. Baumgartner (MPI for Computer Science, DE), R. Nieuwenhuis (TU of Barcelona, ES), A. Voronkov (Manchester Univ., UK)

05441, 30 October – 4 November 2005

Managing and Mining Genome Information: Frontiers in Bioinformatics

J. Blazewicz (Politechnika Poznańska, PL), J. Ch. Freytag (HU Berlin, DE), M. Vingron (MPI for Molecular Genetics, DE)

05451, 6 – 11 November 2005

Beyond Program Slicing

D. Binkley (Loyola College, Baltimore, MD, USA), M. Harman (Brunel University, UK), J. Krinke (FernUniversität Hagen, DE)

05461, 13 – 18 November 2005

Perspektiv-Workshop zur theoretischen Informatik

W. Thomas (RWTH Aachen, DE), I. Wegener (Univ. of Dortmund, DE)

05462, 15 – 18 November 2005

Service Oriented Computing (SOC)

F. Casati (HP - Palo Alto, US), B. Krämer (FernUniversität Hagen, DE), M. P. Papazoglou (Tilburg University, NL), F. Cubera (IBM TJ Watson Research, US)

05471, 20 – 25 November 2005

Computational Proteomics

C. Huber (Saarland Univ., DE), O. Kohlbacher (Univ. of Tübingen, DE), K. Reinert (FU of Berlin, DE)

05491, 4 – 9 December 2005

Spatial Cognition: Specialization and Integration

A. G. Cohn (University of Leeds, UK), Ch. Freksa (Univ. of Bremen, DE), B. Nebel (Univ. of Freiburg, DE)

05501, 12 – 16 December 2005

Automatic Performance Analysis

H. M. Gerndt (TU of Munich, DE), A. Malony (Univ. of Oregon, USA), B. P. Miller (Univ. of Wisconsin, Madison, WI, USA), W. Nagel (TU of Dresden, DE)

2006

06011, 3 – 6 January 2006

Autonomic Networking

Georg Carle (Univ. of Tübingen, DE), Bernhard Plattner (ETH Zurich, CH), Mikhail Smirnov (FhG FOKUS, Berlin, DE)

06021, 8 – 13 January 2006

Reliable Implementation of Real Number Algorithms: Theory and Practice

P. Hertling (Univ. of Duisburg-Essen, DE), Ch. M. Hoffmann (Purdue Univ., USA), W. Luther (Univ. of Duisburg-Essen, DE), N. Revol (ENS, Lyon, FR)

06031, 15 – 20 January 2006

Organic Computing

P. Hofmann (DaimlerChrysler Research, Stuttgart, DE), Ch. Müller-Schloer (Univ. of Hannover, DE), H. Schmeck (Univ. of Karlsruhe, DE), R. Würtz (Ruhr-Univ. Bochum, DE)

06051, 29 January – 3 February 2006

Kolmogorov Complexity and Applications

Marcus Hutter (IDSIA, Lugano-Manno, CH), Wolfgang Merkle (Univ. of Heidelberg, DE), Paul Vitanyi (CWI, Amsterdam, NL)

06061, 5 – 10 February 2006

Theory of Evolutionary Algorithms

D.V. Arnold (Dalhousie Univ., CA), T. Jansen (Univ. of Dortmund, DE), J. E. Rowe (Univ. of Birmingham, UK), M.D. Vose (Univ. of Tennessee, USA)

06071, 12 – 17 February 2006

Architectures and Algorithms for Petascale Computing

U. Rde (Univ. of Erlangen-Nrnberg, DE), H. D. Simon (Lawrence Berkeley Nat. Lab, USA), P. Sloot (University of Amsterdam, NL)

06081, 19 – 24 February 2006

Software Verification: Infinite-State Model Checking and Static Program Analysis

P. A. Abdulla (University of Uppsala, SE), A. Bouajjani (LIAFA, Universit Paris VII, FR), M. Mller-Olm (FernUniversitt Hagen, DE)

06091, 26 February – 3 March 2006

Data Structures

L. Arge (BRICS, Aarhus, DK), R. Sedgewick (Princeton University, USA), D. Wagner (Univ. of Karlsruhe, DE)

06101, 5 – 10 March 2006

Spatial Data: Mining, Processing and Communicating

J.-R. Sack (Carleton Univ., Ottawa, CA), M. Sester (Univ. of Hannover, DE), M. Worboys (Univ. of Maine, USA), P. van Oosterom (TU of Delft, NL)

06111, 13 – 18 March 2006

Complexity of Boolean Functions

M. Krause (Univ. of Mannheim, DE), P. Pudlak (Czech Academy of Sciences, Prague, CZ), R. Reischuk (Univ. of Lbeck, DE), D. van Melkebeek (Univ. of Wisconsin, Madison, WI, USA)

06121, 19 – 24 March 2006

Atomicity: A Unifying Concept in Computer Science

C. B. Jones (University of Newcastle, UK), D. Lomet (Microsoft Research, Redmond, WA, USA), A. Romanovsky (University of Newcastle, UK), G. Weikum (MPI for Computer Science, DE)

06131, 26 – 29 March 2006

Peer-to-Peer Systems and Applications

A. Joseph (UC Berkeley, USA), R. Steinmetz (TU of Darmstadt, DE), I. Stoica (UC at Berkeley, USA), K. Wehrle (Univ. of Tbingen, DE)

06132, 28 – 31 March 2006

Internet Economics

M. Karsten (University of Waterloo, CA), L. McKnight (Syracuse University, USA), P. Reichl (Telecommunications R&D Center of Vienna, AT), B. Stiller (Univ. of Zrich, CH)

06141, 2 – 7 April 2006

Dynamically Reconfigurable Architectures

P. M. Athanas (Virginia Polytechnic Institute, US), J. Becker (Universitt Karlsruhe, DE), G. Brebner (Xilinx - San Jos, US), J. Teich (Universitt Erlangen, DE)

06161, 17 – 21 April 2006

Simulation and Verification of Dynamic Systems

D. M. Nicol (Univ. of Illinois, Urbana-Champaign, IL, USA), C. Priami (Univ. of Trento, IT), H. Ruess (SRI, Menlo Park, CA; USA), A. M. Uhrmacher (Univ. of Rostock, DE)

06171, 23 – 28 April 2006

Content-Based Retrieval

T. Crawford (City Univ., London, UK), R. Veltkamp (Utrecht Univ., NL), A. Zisserman (Oxford Univ., UK)

06172, 26 – 29 April 2006

Directed Model Checking

S. Edelkamp (Univ. of Dortmund, DE), S. Leue (Univ. of Konstanz, DE), A. Lluch-Lafuente (Univ. di Pisa, IT), W. Visser (NASA, USA)

06181, 1 – 6 May 2006

Latently-Typed Languages

R. Johnson (Univ. of Illinois, Urbana-Champaign, IL, USA), Sh. Krishnamurthi (Brown Univ., Providence, RI, USA), Th. Kühne (TU of Darmstadt, DE), M. Sperber (DeinProgramm, Independent Software Consultant, Tübingen, DE)

06191, 7 – 12 May 2006

Rigorous Methods for Software Construction and Analysis

J.-R. Abrial (ETH Zurich, CH), U. Glässer (SFU Burnaby, CN), E. Riccobene (Univ. di Catania, IT), P. H. Schmitt (Univ. of Karlsruhe, DE), R. Stärk (ETH Zurich, CH)

06201, 14 – 19 May 2006

Combinatorial and Algorithmic Foundations of Pattern and Association Discovery

R. Ahlswede (Univ. of Bielefeld, DE), A. Apostolico (Univ. di Padova, IT), V. I. Levenshtein (Keldysh Institute, Moscow, RU)

06221, 28 May – 2 June 2006

Computational Aesthetics in Graphics, Visualization and Imaging

B. Gooch (NW University, Evanston, IL, USA), L. Neumann (Neumann Brothers Ltd., Budapest, HU), W. Purgathofer (TU of Vienna, AT), M. Sbert (University of Girona, ES)

06231, 6 – 10 June 2006

Towards Affordance-Based Robot Control

P. Doherty (Linköping University, SE), G. Dorffner (ÖSGK, Vienna, AT), J. Hertzberg (Univ. of Osnabrück, DE), E. Rome (Fraunhofer Inst., St. Augustin, DE)

06241, 11 – 16 June 2006

**Human Motion - Understanding, Modeling, Capture and Animation.
13th Workshop "Theoretical Foundations of Computer Vision"**

R. Klette (Univ. of Auckland, NZ), D. Metaxas (Univ. of Pennsylvania, US), B. Rosenhahn (MPI Saarbrücken, DE)

06251, 18 – 23 June 2006

Multi-Robot Systems: Perception, Behaviors, Learning, and Action

H.-D. Burkhard (HU Berlin, DE), U. Schwiiegelshohn (Univ. of Dortmund, DE), M. Veloso (CMU, Pittsburgh, USA)

06261, 25 – 30 June 2006

Foundations and Practice of Programming Multi-Agent Systems

M. Dastani (Utrecht University, NL), J.-J. Meyer (Utrecht University, NL), R. Bordini (Univ. of Durham, UK)

06262, 25 – 30 June 2006

Empirical Software Engineering

V. Basili (Univ. of Maryland, USA), H.D. Rombach (FhG IESE, Kaiserslautern, DE), K. Schneider (Univ. of Hannover, DE)

06271, 2 – 7 July 2006

Challenges in Symbolic Computation Software

W. Decker (Saarland Univ., DE), M. Dewar (NAG Ltd., Oxford, UK), E. Kaltofen (North Carolina State Univ., USA), S. Watt (University of Western Ontario, CA)

06281, 9 – 14 July 2006

The Challenge of Software Verification

M. Broy (TU of Munich, DE), P. Cousot (ENS, Paris, FR), P. O'Hearn (Queen Mary College, London, UK)

06291, 16 – 21 July 2006

The Role of Business Processes in Service Oriented Architectures

F. Leymann (Univ. of Stuttgart, DE), W. Reisig (HU Berlin, DE), S. R. Thatte (Microsoft Research, Seattle, WA, USA), W. van der Aalst (TU of of Eindhoven, NL)

06301, 23 – 26 July 2006

Duplication, Redundancy, and Similarity in Software

R. Koschke (Univ. of Bremen, DE), A. Lakhotia (Univ. of Louisiana, Lafayette, LA, USA), E. Merlo (École Polytechnique de Montréal, CA), A. Walenstein (Univ. of Louisiana, Lafayette, LA, USA)

06302, 26 – 29 July 2006

Aspects For Legacy Applications

S. Clarke (Trinity College, Dublin, IE), L. Moonen (CWI, Amsterdam, NL), G. Ramalingam (IBM TJ Watson Research Center, USA)

06311, 30 July – 4 August 2006

Sensor Data and Information Fusion in Computer Vision and Medicine

J. Denzler (Univ. of Jena, DE), J. Hornegger (Univ. of Erlangen, DE), J. Kittler (Univ. of Surrey, UK), C. R. Maurer JR. (Stanford Univ., USA)

06341, 20 – 25 August 2006

Computational Structures for Modelling Space, Time and Causality

R. Kopperman (City University of New York, USA), P. Panangaden (McGill University, Montreal, CA), M. B. Smyth (Imperial College London, UK), D. Spreen (University of Cape Town, ZA), J. Webster (Imperial College London, UK)

06351, 27 August 2006 – 1 September 2006

Methods for Modelling Software Systems (MMOSS)

D. Harel (Weizmann Inst., Rehovot, IL), P. Stevens (University of Edinburgh, UK), R. Wieringa (University of Twente, NL)

06361, 3 – 8 September 2006

Computing Media and Languages for Space-Oriented Computation

A. DeHon (CalTech, Pasadena, USA), J.-L. Giavitto (Univ. of Evry, FR), F. Gruau (Univ. of Paris Sud, FR)

06371, 10 – 15 September 2006

From Security to Dependability

Ch. Cachin (IBM Research, Zürich, CH), F. C. Freiling (RWTH Aachen, DE), J.-H. Hoepman (Radboud Univ. of Nijmegen, NL)

06381, 19 – 22 September 2006

Computer Science in Sport

A. Baca (Universität Wien, AT), L. Katz (University of Calgary, CA), J. Perl (Universität Mainz, DE), O. Spaniol (RWTH Aachen, DE)

06391, 24 – 29 September 2006

Algorithms and Complexity for Continuous Problems

St. Dahlke (Univ. Marburg, DE), K. Ritter (TU Darmstadt, DE), I. H. Sloan (Univ. of New South Wales, AU), J. F. Traub (Columbia Univ., US)

06401, 1 – 6 October 2006

Complexity of Constraints

N. Creignou (Univ. de Marseille, FR), Ph. Kolaitis (Univ. of California, Santa Cruz, CA, USA), H. Vollmer (Univ. of Hannover, DE)

06411, 8 – 13 October 2006

Specification, Verification and Test of Open Systems

V. Goranko (Rand Afrikaans Univ. - Johannesburg, ZA), R. Grosu (SUNY at Stony Brook, US), S. Merz (INRIA Lorraine, FR), H. Schlingloff (Fraunhofer Institut - Berlin, DE)

06421, 15 – 20 October 2006

Robot Navigation

S. Fekete (TU of Braunschweig, DE), R. Fleischer (Fudan University, Shanghai, CN), R. Klein (Univ. of Bonn, DE), A. López-Ortiz (University of Waterloo, CA)

06431, 22 – 27 October 2006

Scalable Data Management in Evolving Networks

S. Böttcher (Univ. of Paderborn, DE), L. Gruenwald (University of Oklahoma, Norman, USA), P.J. Marrón (Univ. of Stuttgart, DE), E. Pitoura (University of Ioannina, GR)

06441, 29 October – 1 November 2006

Naming and Addressing for Next-Generation Internetworks

B. Ahlgren (SICS - Kista, SE), L. Eggert (NEC Europe - Heidelberg, DE), A. Feldmann (TU of Munich, DE), A. Gurtov (HIIT - Helsinki, FI), T. Henderson (Boeing Phantom Works - Seattle, US)

06461, 12 – 17 November 2006

Negotiation and Market Engineering

N. Jennings (Univ. of Southampton, GB), G. Kersten (Carleton University - Ottawa, CA), A. Ockenfels (Univ. of Köln, DE), C. Weinhardt (Univ. of Karlsruhe, DE)

06472, 19 – 22 November 2006

XQuery Implementation Paradigms

P. A. Boncz (CWI - Amsterdam, NL), T. Grust (TU München, DE), J. Siméon (IBM TJ Watson Research Center - Hawthorne, US), M. van Keulen (Univ. of Twente, NL)

06481, 26 November – 01 December 2006

Geometric Networks and Metric Space Embeddings

J. Gudmundsson (National ICT Australia, AU), R. Klein (Univ. Bonn, DE), G. Narasimhan (Florida Int. Univ. - Miami, US), M. Smid (Carleton Univ. - Ottawa, CA), A. Wolff (Universität Karlsruhe, DE)

06491, 3 – 8 December 2006

Digital Historical Corpora

L. Burnard (Oxford Univ. Computing Services, UK), M. Dobreva (Bulgarian Academy of Sciences, BG), N. Fuhr (Univ. Duisburg-Essen, DE), A. Lüdeling (HU Berlin, DE)

06501, 10 – 15 December 2006

Practical Approaches to Multi-Criterion Optimization

J. Branke (Univ. of Karlsruhe, DE), K. Deb (Indian Inst. of Technology - Kanpur, IN), K. Miettinen (Helsinki School of Economics, FI), R. Slowinski (Politechnika Poznanska, PL)

Status: August 2005. Current list: <http://www.dagstuhl.de/Seminars/06/>

2.2 Continuing Education/ Continuing Professional Development 2004

04222, 25 – 28 May 2004

Seminar of the German Computer Science Academy (DIA):

Usability Engineering: Development of Usable Software

W. Dzida (FhG AIS, St. Augustin, DE), R. Freitag (FhG AIS, St. Augustin, DE), T. Geis (TÜV Secure IT GmbH, Cologne, DE), W. Redtenbacher (Redtenbacher Software, Renningen, DE)

04262, 22 – 25 June 2004

**Seminar of the German Computer Science Academy (DIA):
Web Technologies & Applications**

S. Diehl (Saarland Univ.), C. Probst (University of California at Irvine, USA)

04452, 3 – 5 November 2004

**Seminar of the German Computer Science Academy (DIA):
eXtreme Programming: Agile Software Development**

M. Lippert (Univ. of Hamburg, DE), K.-H. Sylla (FhG AIS, St. Augustin, DE),
H. Wolf (Univ. of Hamburg, DE)

04483, 23 – 26 November 2004

**Seminar of the German Computer Science Academy (DIA):
Usability Engineering: Development of Usable Software**

W. Dzida (FhG AIS, St. Augustin), R. Freitag (FhG AIS, St. Augustin), T. Geis
(TÜV Secure IT GmbH, Cologne, DE), W. Redtenbacher (Redtenbacher Software,
Renningen, DE)

04192, 2 – 7 May 2004

Summer School "Foundations of Visual Modelling Techniques"

G. Engels (Univ. of Paderborn, DE), R. Heckel (Univ. of Paderborn, DE)

04382, 12 – 15 September 2004

3rd German KuVS Summer School "Mobile Computing"

S. Fischer (TU of Braunschweig, DE), S. Schmidt (TU of Braunschweig, DE)

04503, 8 – 10 December 2004

Teacher Continuing Education: Computer Science

U. Peters (LPM, Saarbrücken, DE), R. Wilhelm (Saarland Univ., DE)

04504, 8 – 10 December 2004

**Seminar of the German Computer Science Academy (DIA): Web Technologies &
Applications**

S. Diehl (Saarland University, DE), C. Probst (University of California at Irvine, USA)

2005

05153, 12 – 15 April 2005

**Seminar of the German Computer Science Academy (DIA):
Object-Oriented Design Techniques & Software Architectures**

R. Budde, K.-H. Sylla (FhG AIS, St. Augustin, DE), H. Züllighoven (Hamburg, DE)

05172, 25 – 27 April 2005

**Seminar of the German Computer Science Academy (DIA):
Usability Engineering: Development of Usable Software**

W. Dzida (FhG AIS, St. Augustin, DE), R. Freitag (FhG AIS, St. Augustin, DE), T. Geis
(TÜV Secure IT GmbH, Cologne, DE), W. Redtenbacher (Redtenbacher Software,
Renningen, DE)

05252, 19 – 23 June 2005

German National Computer Science Competition

W. Pohl (GI, Bonn, DE)

05352, 28 August – 3 September 2005

Summer School: "Wireless Sensor Networks and Smart Objects"

F. Mattern (ETH Zurich, CH), K. Römer (ETH Zurich, CH)

05423, 19 – 21 October 2005

**Seminar of the German Computer Science Academy (DIA):
Object-Oriented Design Techniques & Software Architectures**

R. Budde, K.-H. Sylla (FhG AIS, St. Augustin, DE), H. Züllighoven (Hamburg, DE)

05443, 2 – 4 November 2005

**Seminar of the German Computer Science Academy (DIA):
Usability Engineering: Development of Usable Software**

W. Dzida (FhG AIS, St. Augustin, DE), R. Freitag (FhG AIS, St. Augustin, DE), T. Geis (TÜV Secure IT GmbH, Cologne, DE), W. Redtenbacher (Redtenbacher Software, Renningen, DE)

05484, 30 November – 2 December 2005

**Seminar of the German Computer Science Academy (DIA):
Object-Oriented Design Techniques & Software Architectures**

R. Budde, K.-H. Sylla (FhG AIS, St. Augustin, DE), H. Züllighoven (Hamburg, DE)

05493, 7 – 9 December 2005

Teacher Continuing Education: Computer Science

U. Peters (LPM, Saarbrücken, DE), R. Wilhelm (Saarland Univ., DE)

Status: August 2005. Current list: <http://www.dagstuhl.de/Events/05/>

2.3 Other Events

For information on the individual events, please refer to
<http://www.dagstuhl.de/Events/04/> or [/05/](http://www.dagstuhl.de/Events/05/)

2004

04022, 4 – 9 January 2004

CGAL Design and Implementation Meeting

M. Hoffmann (ETH Zurich, CH)

04032, 12 – 15 January 2004

GI-Dagstuhl Seminar "Model-based Testing of Reactive Systems"

M. Broy (TU of Munich, DE), B. Jonsson (Uppsala Univ., SE), J.-P. Katoen (Univ. of Twente, NE), M. Leucker (Uppsala Univ., SE), A. Pretschner (TU of Munich, DE)

04042, 18 – 23 January 2004

Valkenburg Group Meeting

R. Koper (Open Univ, NL)

04052, 26 – 30 January 2004

Implementation Workshop SPP 1083 – Agent.Hospital / Agent.Enterprise

K.-H. Krempels (RWTH Aachen, DE), J. Nimis (Univ. of Karlsruhe, DE)

04053, 29 – 30 January 2004

Workshop: EU Project COLDEX

S. Diehl (CU of Eichstätt/Ingolstadt, DE)

04073, 8 – 11 February 2004

Retreat meeting "Software Systems Engineering"

K. Pohl (Univ. of Duisburg-Essen, DE)

04074, 10 – 11 February 2004

Retreat meeting "Programming Languages and Compiler Construction"

R. Wilhelm (Saarland Univ., DE)

04102, 29 February – 5 March 2004

Organizing and Accessing Intellectual Assets

G. Grieser (TU of Darmstadt, DE), Y. Tanaka (Hokkaido University, Sapporo, JP)

04112, 7 – 10 March 2004

Retreat meeting of the Karlsruhe Programming Systems Group

W. Tichy (Univ. of Karlsruhe, DE)

04113, 10 – 13 March 2004

Autonomic Networking

P. Tran-Gia (Univ. of Würzburg, DE) , K. Tutschku (Univ. of Würzburg, DE)

04132, 21 – 22 March 2004

MaTRICS Workshop

B. Steffen (Univ. of Dortmund, DE)

04133, 24 – 26 March 2004

Retreat meeting of the Telematics Working Group of the Univ. of Karlsruhe

M. Zitterbart (Univ. of Karlsruhe, DE)

04142, 28 – 30 March 2004

Retreat meeting: SNACS Working Group

S. Fischer (TU of Braunschweig, DE)

04143, 1 – 2 April 2004

Computer Science, quo vadis?

Ch. Meinel (Univ. of Trier, DE)

04152, 4 – 7 April 2004

GIBU 2004: GI Advisory Board of University Professors

B. Becker (Univ. of Freiburg, DE), D. Wagner (Univ. of Konstanz, DE)

04153, 7 – 8 April 2004

PG Kick-Off Meeting

S. Edelkamp (Univ. of Dortmund, DE)

04162, 12 – 16 April 2004

GI-Dagstuhl Seminar: Network Analysis

U. Brandes (Univ. of Passau, DE), T. Erlebach (ETH Zurich, CH)

04203, 13 – 14 May 2004

DFG Roundtable Talk on Quantum Computing

T. Beth (Univ. of Karlsruhe, DE)

04204, 9 – 11 May 2004

Retreat Meeting: AG Siekmann

J. Siekmann (Saarland Univ., DE)

04223, 23 – 25 May 2004

Implementation Workshop — Agent.Hospital / Agent.Enterprise

J. Nimis (Univ. of Karlsruhe, DE) , K.-H. Krempels (RWTH Aachen, DE)

04242, 6 – 9 June 2004

Wireless and Mobility in Next Generation Internet

O. Spaniol (RWTH Aachen, DE)

04282, 7 – 10 July 2004

STARLab Meeting

R. Meersman (V.U. Brussels, BE)

04283, 6 – 7 July 2004

Modest-Mini-Meeting

H. Hermanns (Saarland Univ., DE)

04293, 14 – 16 July 2004

APART Final Meeting

H. M. Gerndt (TU of Munich, DE)

04302, 19 – 21 July 2004

Didactic Design und Dramaturgy in e-Learning

K. Jantke (DFKI Saarbrücken, DE)

04312, 25 – 31 July 2004

EU IST-Project "CrossGrid"

R. Wismüller (Univ. of Siegen, DE)

04313, 25 – 30 July 2004

3rd "Korean" Workshop on Computational Geometry

H. Ahn (Korea Inst. of Science & Technology, Seoul, KR), C. Knauer (FU Berlin, DE), C.-S. Shin (Hankuk Univ. of Foreign Studies, KR), A. Wolff (Univ. of Karlsruhe, DE), R. van Oostrum (Utrecht Univ., NL)

04362, 29 August – 3 September 2004

GI-Dagstuhl Seminar "Game-Theory Analyses of the Internet"

M. Bläser (ETH Zurich, CH), P. Krysta (Univ. of Dortmund, DE), R. Reischuk (Univ. of Lübeck, DE) B. Vöcking (Univ. of Dortmund, DE)

04363, 29 August – 3 September 2004

Analysis of Combinatorial Algorithms and Concentration of Measure

D. Dubhashi (Chalmers, Göteborg, SE), A. Srivastav (Univ. of Kiel, DE)

04372, 5 – 8 September 2004

ARTIST Workshop

R. Wilhelm (Saarland Univ., DE)

04392, 19 – 24 September 2004

Concepts of Empirical Research and Standardization of Measurement

J. S. Magenheimer (Univ. of Paderborn, DE), S. Schubert (Univ. of Siegen, DE)

04402, 26 September – 1 October 2004

OTEC Retreat Meeting

R. Koper (Open Univ., NL)

04413, 4 – 6 October 2004

Research Exchange: Turkey – Germany

H. Akpınar (Istanbul, TR), G. Vossen (Univ. of Münster, DE)

04414, 7 – 8 October 2004

Retreat meeting of the Department of Computer Science, Technical University of Kaiserslautern

H. Hagen (TU of Kaiserslautern, DE)

04415, 6 – 8 October 2004

SNACS — Self-Organizing Networks and Adaptive Communication Systems

G. Carle (Univ. of Tübingen, DE), B. Stiller (Univ. der Bundeswehr München, DE)

04422, 10 – 12 October 2004

Challenges Posed to Software Engineering Research in Germany

M. Broy (TU of Munich, DE), M. Jarke (TU of Aachen, DE), H. D. Rombach (TU of Kaiserslautern, DE)

04423, 13 – 15 October 2004

Retreat meeting of the chair of Prof. Studer, University of Karlsruhe

R. Studer (Univ. of Karlsruhe, DE)

04442, 24 – 26 October 2004

Retreat meeting of the Chair for Software Engineering of Saarland University

A. Zeller (Saarland Univ., DE)

04443, 26 – 29 October 2004

Project Meeting: Internet Economy

M. Zitterbart (Univ. of Karlsruhe, DE)

04462, 7 – 12 November 2004

Interfaces of Computer Science

B. Schinzel (Univ. of Freiburg, DE)

04472, 14 – 17 November 2004

RNC6: 6th Conference on "Real Numbers and Computers"

P. Kornerup (Odense, DK), N. Müller (Univ. of Trier, DE)

04473, 19 – 22 November 2004

euroFORTH '04

K. Schleisiek (SEND GmbH, Hamburg, DE)

04482, 23 – 26 November 2004

DFG Priority Program "Security in Information and Communications Technology"

S. Wohlgemuth (Univ. of Freiburg, DE)

04502, 5 – 8 December 2004

Evaluation Initiative for XML Document Retrieval

N. Fuhr (Univ. of Dortmund, DE), M. Lalmas (Queen Mary University of London, UK)

2005

05022, 9 – 14 January 2005

Model-Based Development of Embedded Systems

T. Klein (Carmeq GmbH, DE), B. Rumpe (TU of Braunschweig, DE), B. Schätz (TU of Munich, DE)

05042, 23 – 28 January 2005

OTEC Retreat Meeting

R. Koper (Open Univ., NL)

05043, 23 – 26 January 2005

Colloquium of DFG Priority Program 1140: Networked Mobile Systems

M. Zitterbart (Univ. of Karlsruhe, DE), P. Baumung (Univ. of Karlsruhe, DE)

05062, 6 – 11 February 2005

International Project Meeting "Component Technology"

J. Schneider (Robert Bosch GmbH, Stuttgart, DE), P. Lutz (Robert Bosch GmbH, Frankfurt, DE)

05082, 25 – 26 February 2005

AGILE Conference

Following Dagstuhl Seminar 05081

05092, 27 February – 1 March 2005

DFG Priority Program 1083 "Intelligent Software Agents and Business Applications Scenarios"

K.-H. Krempels (RWTH-Aachen, DE)

05102, 8 – 11 March 2005

Software Libraries: Design and Evaluation

S. Schupp & T. Veldhuizen (Chalmers Univ., SE), J. Järvi (Texas A&M, Austin, TX, USA), A. Lumsdaine (Indiana Univ., Bloomington, IN, USA), D. Musser (Rensselaer Polytechnic, USA)

05112, 17 – 18 March 2005

Int'l Graduate College of the Technical University of Kaiserslautern

H. Hagen (TU of Kaiserslautern, DE)

05122, 20 – 23 March 2005

GIBU 2005: GI Advisory Board of University Professors

B. Becker (Freiburg, DE), D. Wagner (Karlsruhe, DE)

05132, 29 March – 1 April 2005

8th Int. DELOS Workshop: Future Digital Library Management Systems

H.-J. Schek (UMIT Innsbruck, AT) und Y. Ioannidis (University of Athens, GR), G. Weikum (MPI of Computer Science, Saarbrücken, DE)

05152, 9 – 12 April 2005

Peer-to-Peer Applications for Ad Hoc Networked Systems

M. Gerla (Univ. of California at Los Angeles, USA), C. Lindemann (Univ. of Dortmund, DE), A. Rowstron (Microsoft Research, UK)

05182, 1 – 6 May 2005

Federation over the Web

K. Jantke (DFKI Saarbrücken, DE), N. Spyrtos (Université Paris Sud, FR), Y. Tanaka (Hokkaido University, Sapporo, JP)

05212, 22 – 25 May 2005

Joint Workshop of the Computer Science Graduate Colleges

O. Spaniol (RWTH Aachen, DE)

05222, 29 May – 3 June 2005

OTEC Retreat Meeting

R. Koper (Open Univ., NL)

05263, 30 June – 2 July 2005

Data Management in a Connected World

T. Härder (TU Kaiserslautern, DE), Wolfgang Lehner (TU Dresden, DE)

05272, 5 – 7 July 2005

Retreat meeting of the Telematics Working Group of the Univ. of Karlsruhe

M. Schöller (Univ. Karlsruhe, DE), M. Zitterbart (Univ. Karlsruhe, DE)

05282, 12 – 15 July 2005

Language Technology & Cognitive Systems

M. W. Crocker (Univ. of Saarland, DE)

05313, 31 July – 5 August 2005

Int'l Project Meeting "Component Technology for Embedded Systems"

J. Schneider (Robert Bosch GmbH, Stuttgart, DE), P. Lutz (Robert Bosch GmbH, Frankfurt, DE)

05372, 11 – 14 September 2005

Retreat meeting "Software Systems Engineering"

K. Pohl, S. Reis (Univ. of Duisburg-Essen, DE)

05373, 14 – 17 September 2005

Int'l Graduate College of the Technical University of Kaiserslautern

H. Hagen (TU of Kaiserslautern, DE)

05383, 19 – 21 September 2005

Projektmeeting Internetökonomie

M. Schöller (Univ. Karlsruhe, DE), M. Zitterbart (Univ. Karlsruhe, DE)

05392, 26 – 28 September 2005

Prof. Studer, departmental retreat meeting

R. Studer (Univ. Karlsruhe, DE)

05403, 3 – 6 October 2005

Prof. Schmeck, departmental retreat meeting

H. Schmeck (Univ. of Karlsruhe, DE)

05412, 10 – 12 October 2005

Perspektiven im Bereich numerischer Einschliessungsverfahren

G. Bohlende and R. Klätte (Univ. Karlsruhe, DE), W. Krämer (Univ. Wuppertal, DE)

05442, 30 October – 1 November 2005

GI-Dagstuhl-Seminar: "Verlässlichkeitsmetriken"

F.C. Freiling (RWTH Aachen, DE), R. Reussner (Univ. Oldenburg, DE), I. Eusgeld (Univ. Duisburg-Essen, DE)

05462, 13 – 18 November 2005

OTEC Meeting

R. Koper (Open Univ, NL)

05473, 23 – 25 November 2005

GI-Dagstuhl Research Seminar: "Algorithms for Ad-Hoc and Sensor Networks"

D. Wagner (Univ. of Karlsruhe, DE), R. Wattenhofer (ETH Zurich, CH)

05473, 23 – 25 November 2005

GI-Dagstuhl-Seminar: "Algorithmen für Ad-Hoc und Sensornetze"

D. Wagner (Univ. Karlsruhe, DE), R. Wattenhofer (ETH Zürich, CH)

05482, 28 – 30 November 2005

Evaluation Initiative for XML Document Retrieval

N. Fuhr (Univ. of Dortmund, DE), M. Lalmas (Queen Mary University of London, UK)

05483, 30 November – 2 December 2005

DFG Priority Program "Security in Information and Communications Technology"

G. Müller (Univ. Freiburg, DE), M. Gilliot (Univ. Freiburg, DE)

Status: August 2005. Current list: <http://www.dagstuhl.de/Events/05/>

3. 2004 Dagstuhl Guests: Statistics Breakdown According to Country of Origin

Graphic: page 16

Country	A	B	C	D	Country	A	B	C	D
Germany	506	713	1219	4007	North America	294	29	323	1515
Belgium	15	17	32	122	India	5	0	5	29
Denmark	28	7	35	159	Japan	21	19	40	182
France	123	46	169	663	Other Asian countries	4	6	10	50
Greece	20	4	24	117	Asia	30	25	55	261
United Kingdom	130	23	153	672	Australia	20	5	25	108
Italy	70	19	89	397	Brazil	4	0	4	17
Netherlands	90	47	137	608	Israel	28	3	31	144
Norway	12	1	13	48	New Zealand	5	0	5	23
Austria	20	21	41	150	Other	16	19	35	147
Poland	16	18	34	182	Rest of world	73	27	100	439
Russia	10	0	10	56	Total	1589	1077	2666	10375
Sweden	22	21	43	179					
Switzerland	47	16	63	240					
Spain	20	19	39	186					
Czech Republic	11	1	12	57					
Other EU	52	23	75	317					
Europe	686	283	969	4153					
Canada	54	5	59	283					
USA	240	24	264	1232					

- A** Seminar participants
B Participants of other events
C Total guests
D Total overnight stays

4.1. Comments of Seminar Participants

*03401 "Computational Cartography and Spatial Modelling"
(28 September – 3 October 2003) (from the Summary of Organizers)*

Due to the efforts of both the presenters and the audience, the disciplinary boundaries were crossed many times and this resulted in refreshing discussions. This was directly after the presentations, but also during the breaks in the pleasant environment of the Schloss Dagstuhl, there was sufficient time to go into more detailed discussions. It has been a very fruitful meeting for all participants. The meeting place traditions (problems/ challenges sessions, ample time for questions and interactions between talks, environment: library, computer room, common rooms, etc.) indeed helped to break down barriers imposed by academic disciplines. Some of the new research results presented were obtained in collaborative projects (and cooperation's) which started after the previous Dagstuhl seminar.

*04121 "Evaluating Embodied Conversational Agents" (13 – 19 March 2004)
Zsafia Ruttkay, CWI, Amsterdam, Netherlands*

The seminar was a great success, as seen from the many positive responses we received from the participants. What people found the biggest value was the open and relaxed atmosphere, which invited them to share experience and discuss for further development of the field critical issues in detail. Usual conferences do not provide enough time and space for such activities, and also the sphere is often more competitive than co-operative. At Dagstuhl, we could have dedicated work conducted in 5 parallel working groups, set up on the basis of plenary discussions.

We appreciated the excellent organizational support before and during the conference, the technical services (like having recorded all panel sessions) and the co-operation of the personnel in organizing the non-scientific activities.

We were especially pleased that the relatively new and in CS small circles know topic of ECAs got an entrance to Dagstuhl. The by invitation participation allowed us to have a set of high-level and nicely interdisciplinary researchers, discussing issues from different points of views.

We believe that this seminar will be referred to as an important event in our research community, with much scientific impact. This can be expected already from the richness of the materials emerged from working group discussions and presented on the Friday plenary session. Several follow-up activities have been suggested, like turning this rich body of material into a (in the field very much needed) tutorial-like publication, organizing some kind of annual student ECA challenge, and last but not least, making resources and results available on a dedicated web-site. Also several people got inspired by the presentations to pursue novel research topics. We pay attention to give credit to the Dagstuhl seminar in the follow-up scientific activities and publications in the future. We will also use the facilities of the Dagstuhl Online Proceedings to spread the results.

We would like to thank you and your colleagues for the support for making it possible to have such an exciting seminar at Dagstuhl. We may wish to have a repetition in the future...

04121 "Evaluating Embodied Conversational Agents" (13 – 19 March 2004)

Justine Cassell, Northwestern Univ., Evanston, IL, USA

... based on my last stay at Dagstuhl, 2 years ago. I am very very happy to be coming back, as the last trip was magical — the environment is so beautiful, and we were so well taken-care of!...

04121 "Evaluating Embodied Conversational Agents" (13 – 19 March 2004)

Tim Barker, Staffordshire University, Staffordshire, UK

I just wanted to say a big THANK YOU to everyone there for making our stay at Dagstuhl a happy, memorable and above all productive time.

Your organisation is impeccable, the staff friendly and courteous and the facilities first class

04131 "Geometric Properties from Incomplete Data" (21 – 26 March 2004)

Ryszard Kozera, University of Western Australia, Crawley, Australia

On behalf of Organizing Committee of Seminar "Geometric Property from Incomplete Data", and on behalf of all Participants and Myself I would like to thank for the help which was provided by You and all involved staff for us to perform this successful seminar. We are now in the process of preparing the reviewing for papers in Kluwer Academic Press.

Certainly in the future we would like to organize the similar conference and will be in touch with you.

04172 "Perspectives Workshop: Visualization and Image Processing of Tensor Fields" (18 – 23 April 2004)

Alex Pang, Univ. of California, Santa Cruz, CA, USA

I would like to take a few moments to express my gratitude for the wonderful Perspectives Workshop (seminar 04172) that Professors Joachim Weickert and Hans Hagen organized. The Dagstuhl environment provided the perfect setting for a very productive meeting and exchange of ideas among experts from two different fields (visualization and image processing) working on a common theme – tensor fields. Personally, I found the workshop to provide valuable information on the state of the art in both fields, identified the hard research problems, help establish future collaboration, and simply invigorating. I hope you will continue to support such future meetings of this nature.

04172 "Perspectives Workshop: Visualization and Image Processing of Tensor Fields" (18 – 23 April 2004)

James C. Gee, Univ. of Pennsylvania Medical Center, Philadelphia, PA, USA

I am writing to congratulate you and Hans Hagen on your superb organization and conduct of the Dagstuhl Perspectives Workshop on Visualization and Image Processing of Tensor Fields. Having previously participated in a Dagstuhl seminar, I was familiar with the concept and the very special nature of these meetings, but, without exaggeration, your workshop surpassed even the very high expectations with which I had arrived at the Schloss Dagstuhl. I echo the overwhelmingly positive sentiments of the workshop participants; in particular, the astonishing success with which discussion of highly diverse topics informed one another is a tribute to the organizers' foresight and wide-ranging vision. This

was an exceptionally enjoyable and intellectually stimulating meeting, and, most important, I came away with new knowledge and prospective collaborators. What more could one possibly ask for? My experience is further affirmation of Dagstuhl's representing science at its best and the institution's singular contributions to the field of computer science. Of course, the burden rests ultimately on the shoulders of meeting organizers to perpetuate the honourable and almost formidable tradition of the Dagstuhl, and you and Hans have truly distinguished yourselves in this role.

Again, I am grateful to have had the opportunity to contribute toward a wonderful week's worth of spirited and enlightened discussion on the visualization and processing of tensor fields.

04181 "Atomicity in System Design and Execution" (25 – 30 April 2004)

Cliff Jones, Univ. of Newcastle, UK

My feeling is always of being looked after perfectly in a completely unobtrusive way — there is always help if it is needed, but first everything runs like clockwork and second the staff never intrude on the strange habits of their visitors. I love coming and find the spells there very productive.

04421 "Algebraic Methods in Computational Complexity" (10 – 15 October 2004)

Weblog of Lance Fortnow, University of Chicago, Chicago, IL, USA

I have seen Dagstuhl expand and evolve over these years and this is the first time I feel that Dagstuhl has achieved its completed state. I love coming here; Dagstuhl has a contained environment in a pretty but boring part of Germany where we complexity theorists give seminars, eat and drink together and talk science and other stuff. Politics and baseball seem to dominate the discussions this week. [...]

Is the Internet Harming Dagstuhl?

Dagstuhl was designed as a place to bring a small group of researchers to an isolated environment where they could give some talks, discuss research and otherwise socialize among themselves free from other distractions. No televisions though a radio bought to hear news during the 1991 Gulf War. We could get two-day old news from America via the Herald Tribune. While they had computer rooms, in the early days we had no world wide web and email was far less used. Instead we had rooms for coffee, rooms for beer and wine, rooms for billiards and music and rooms just to hang out. Everyone stayed on premises and we had no phones in rooms, just a couple communal phones to call home.

Although Dagstuhl has expanded, rooms not only have phones but WiFi throughout. We can answer email, read news, write weblog posts (as I am doing now) from the comfort of our own isolated desks. We're watching baseball games and the debate over the internet. But worse than being connected, the rest of the world knows we're connected. I find myself having to take time to fix problem sets for my class and deal with departmental issues as do many of my other colleagues here.

The internet has greatly helped science by bringing us closer together but also prevents us from being disconnected losing many of the advantages of these workshops. A sign here proclaims "Are you here for computer networking or human networking?" Something to remember next time you go to a conference.

04461 "Practical Approaches to Multi-Objective Optimization"

Jürgen Branke, Univ. of Karlsruhe, Germany

Aus Sicht der Organisatoren war das Seminar ein voller Erfolg. An den lebhaften Diskussionen wurde deutlich, dass unser Ziel, zwei bisher getrennt arbeitende Forschergemeinden zusammenzubringen, erreicht wurde. Die Resonanz der Teilnehmer war durchweg positiv, und in der Abschlussdiskussion wurde der einstimmige Wunsch geäußert, ein ähnliches Seminar in zwei Jahren noch einmal zu wiederholen.

4.2. Comments of the Participants of Other Events

04415 „SNACS — Self-Organizing Networks and Adaptive Communication Systems” (6 – 8 October 2004)

Jochen Schiller, Freu Univ. of Berlin, Germany

in diesem Zusammenhang möchte ich mich auch einmal ganz allgemein für die tolle Organisation in Dagstuhl durch Sie und das ganze Team bedanken. Es ist im Oktober mein 4. Dagstuhl-Aufenthalt in diesem Jahr und ich habe mich jedes Mal sehr wohl gefühlt!

04242 „Wireless and Mobility in Next Generation Internet” (6 – 9 June 2004)

Otto Spaniol, RWTH Aachen, Germany

im Nachgang zur Veranstaltung "Mobility and Wireless in Next Generation Internet" möchte ich mich nochmals dafür bedanken, dass wir den ersten größeren Workshop des EU-Projekts EURO-NGI (eines der "Networks of Excellence") in Dagstuhl ausrichten durften.

Ich glaube, wir hatten noch nie eine derart begeisterte Gruppe (nachdem sich die erste leise Kritik bzgl. der Schwierigkeit bzgl. der Anreise einmal gelegt hatte).

Ausnahmslos alle Teilnehmer waren hochgradig angetan von allen Features des Dagstuhlkonzepts. Lediglich die Organisatoren der Nachfolgeworkshops in den kommenden Jahren waren etwas traurig, weil sie in ihren jeweiligen Ländern keinerlei vergleichbare Möglichkeiten haben.

Im Vergleich zur (teuren) Organisation in Hotels oder auch gemessen an der Ausrichtung in Universitäten ist Dagstuhl unschlagbar, weil die Kombination von technischer Unterstützung sowie von sonstigen Erfordernissen (Essen, Übernachtung, sportlichen Aktivitäten,...) nirgendwo sonst gegeben ist, schon gar nicht für einen auch nur irgendwie vergleichbaren Preis.

5. Schloss Dagstuhl Computer Science Center Foundation

Articles of Incorporation

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 € 500,000.
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.