

# Mathematics Calendar

The most comprehensive and up-to-date Mathematics Calendar information is available on e-MATH at <http://www.ams.org/mathcal/>.

## October 1998

\*8-11 **Dynamical Systems and Related Topics Workshop**, Penn State University, State College, Pennsylvania.

**Program:** A regular meeting dedicated to recent results in the theory of smooth dynamical systems, ergodic theory, symbolic dynamics, topological dynamics, Hamiltonian mechanics and related areas in differential geometry, differential equations, and Lie theory. 15-20 one-hour and 45-minute talks are expected.

**Information:** <http://www.math.psu.edu/dynsys/>; conference questions e-mail: [dswk@math.psu.edu](mailto:dswk@math.psu.edu); A. Katok, organizer, 814-865-2266. Deadline for lodging is September 4, 1998, send e-mail to: [manning@math.psu.edu](mailto:manning@math.psu.edu).

\*23-25 **The Midwest Geometry Conference**, Louisiana State University, Baton Rouge, Louisiana.

**Aim:** The Midwest Geometry Conference is an annual meeting dedicated to the dissemination of important recent advances in Differential Geometry, Geometric Analysis, and Integral Geometry to the community of Midwestern mathematicians. The aim is to create a focused environment, bringing together leading mathematicians, young professionals and students.

**Topics:** Twelve invited speakers will talk on the following topics: Integral Geometry, Geometric Inequalities, Integrable Systems, and Low Dimensional Gauge Theory.

**Speakers:** M. Adler (Brandeis Univ.), A. Ashtekar (Penn State Univ.), W. Beckner (Univ. of Texas), R. Forman (Rice Univ.), B. Hall (Univ. of California), S. Helgason (MIT), E. Lieb (Princeton), M. Loss (Georgia Tech), A. McDaniel (Georgetown Univ.), E. T. Quinto (Tufts Univ.), I. M. Singer (MIT), C.-L. Terng (Northeastern Univ.).

**Organizers:** T. Branson (Univ. of Iowa), G. Olafsson (LSU), A. Sengupta (LSU) and L. Smolinsky (LSU).

**Support:** The conference is supported by the NSF and Louisiana State University. Some partial support is available. Students, recent graduates, women and minorities are encouraged to apply. Please contact the organizers at [mgc98@math.lsu.edu](mailto:mgc98@math.lsu.edu) or by mail at Dept. of Math., Louisiana State Univ., Baton Rouge, LA 70803.

**Information:** Further information about the conference, hotels and other practical information can be found at the web site <http://math.lsu.edu/~mgc/>.

\*26-27 **NVH: Source, Path and Receiver Modeling Symposium**, Novi, Michigan.

**Description:** Noise, vibration and harshness are important design considerations

for aircraft, automobiles, home appliances and work and living spaces. This unique meeting brings together the leading experts and practitioners of NVH technology to discuss the current analysis capabilities and experimental techniques in the field.

**Topics:** Topics in this symposium include: Transfer path analysis/noise path analysis route tracking; Application of sound quality techniques in NVH design and development; Variability and statistical methods; Squeak and rattle.

**Information:** The preliminary technical program and registration form are available on SEM's Web site: <http://www.sem.org/>. Contact SEM for more information: 7 School Street, Bethel, CT 06801; tel: 203-790-6373; fax: 203-790-4472; e-mail: [meetings@sem1.com](mailto:meetings@sem1.com).

## November 1998

\*5-7 **Workshop on Geometric Scattering**, University of Aarhus, Aarhus, Denmark.

**Sponsor:** MaPhySto - Centre for Mathematical Physics and Stochastics.

**Principal Speakers:** R. Melrose (MIT), A. Vasy (Univ. of California, Berkeley) and M. Zworski (Univ. of Toronto)

**Organizers:** A. Jensen (Aalborg) and E. Skibsted (Aarhus).

**Deadline:** Registration before September

**This section** contains announcements of meetings and conferences of interest to some segment of the mathematical public, including ad hoc, local, or regional meetings, and meetings and symposia devoted to specialized topics, as well as announcements of regularly scheduled meetings of national or international mathematical organizations. A complete list of meetings of the Society can be found on the last page of each issue.

**An announcement** will be published in the *Notices* if it contains a call for papers and specifies the place, date, subject (when applicable), and the speakers; a second announcement will be published only if there are changes or necessary additional information. Once an announcement has appeared, the event will be briefly noted in every third issue until it has been held and a reference will be given in parentheses to the month, year, and page of the issue in which the complete information appeared. Asterisks (\*) mark those announcements containing new or revised information.

**In general**, announcements of meetings and conferences held in North America carry only the date, title of meeting, place of meeting, names of speakers (or sometimes a general statement on the program), deadlines for abstracts or contributed papers, and source of further information. Meetings held outside the North American area may carry more detailed information. In any case, if there is any application deadline with respect to participation in the meeting, this fact should be noted. All communications on meetings and conferences in the mathematical sciences

should be sent to the Editor of the *Notices* in care of the American Mathematical Society in Providence or electronically to [notices@ams.org](mailto:notices@ams.org) or [mathcal@ams.org](mailto:mathcal@ams.org).

**In order** to allow participants to arrange their travel plans, organizers of meetings are urged to submit information for these listings early enough to allow them to appear in more than one issue of the *Notices* prior to the meeting in question. To achieve this, listings should be received in Providence **six months** prior to the scheduled date of the meeting.

**The complete listing** of the Mathematics Calendar will be published only in the September issue of the *Notices*. The March, June, and December issues will include, along with new announcements, references to any previously announced meetings and conferences occurring within the twelve-month period following the month of those issues. New information about meetings and conferences that will occur later than the twelve-month period will be announced once in full and will not be repeated until the date of the conference or meeting falls within the twelve-month period.

**The Mathematics Calendar**, as well as Meetings and Conferences of the AMS, is now available electronically through e-MATH on the World Wide Web. To access e-MATH, use the URL: <http://e-math.ams.org/> (or <http://www.ams.org/>). (For those with VT100-type terminals or for those without WWW browsing software, connect to e-MATH via Telnet (telnet e-math.ams.org; login and password e-math) and use the Lynx option from the main menu.)

15, 1998.

**Information:** For further information see the web page located at <http://www.maphysto.dk/events/GeomScat98/>.

**December 1998**

\*17-19 **International Symposium on Recent Advances in Mathematics and Applications (ISRAMA 98)**, Calcutta, India.

**Organizers:** M. R. Adhikari and A. P. Baisnab, Calcutta Mathematical Society, AE-374, Sector 1, Saltlake City, Calcutta 700064, India.

**Scope:** The symposium will be held on occasion of the 90th Foundation Anniversary of the Calcutta Mathematical Society and 90 years of continuous publication of the Bulletin of the Calcutta Mathematical Society. The symposium will highlight the recent advances in geometry, topology and mathematical physics.

**Call for Papers:** Abstract of papers in English not exceeding 500 words should be sent to the organizers by October 15, 1998. Acceptance of the same shall be communicated to the respective author within a month from the date of their receipt.

**Registration Fee:** RS. 400.00 for each participant from India and US\$200 for each participant from other countries with a provision of 50% concession for members of the Calcutta Mathematical Society.

**Information:** Send e-mail to: H. P. Majumder at [hpm@isical.ac.in](mailto:hpm@isical.ac.in); <http://php.iupui.edu/~rgompa/israma.htm>.

**January 1999**

\*4-9 **National Academy of Sciences Colloquium on Nonlinear Partial Differential Equations**, Irvine, California.

**Organizing Committee:** H. Brezis, F. Browder, L. Nirenberg (chairman), and J. Serrin.

**Focus:** This is one of a series of colloquia in various fields of science and engineering, the second in mathematics (the first in 1996 was devoted to elliptic curves and modular forms). As contrasted with all the previous NAS colloquia, this particular meeting will also serve as a school on recent developments in the field for younger mathematicians, graduate students, and post-docs.

**Program:** The program of the meeting will consist of three expository lecture series of three lectures each, as well as eighteen one-hour research lectures. Partial support for some of the younger participants is available from a grant from the National Science Foundation. Due to relatively restricted facilities at the Beckman Center, all participants must receive invitations from the organizers.

**Applications:** To apply for an invitation and/or support, please contact [nascol@math.rutgers.edu](mailto:nascol@math.rutgers.edu) by November 15, 1998.

**Topics:** The lectures will be given in four general areas as follows: 1) PDE and geometry: R. Hamilton, R. Schoen, G. Tian, S. T. Yau; 2) PDE and material science:

F. Bethuel, H. Brezis, F. H. Lin, V. Sverak, J. Taylor; 3) Topological methods (including Hamiltonian systems and symplectic geometry): A. Ambrosetti, V. Benci, H. Hofer, Y. Y. Li, E. Zehnder; 4) Nonlinear elliptic and evolution equations: H. Berestycki, J. Bourgain, L. Caffarelli, L. C. Evans, C. Kenig, S. Klainerman, M. Struwe.

**Speakers:** The expository lecture series will be given by H. Brezis, R. Hamilton, and S. Klainerman.

**Information:** Contact [nascol@math.rutgers.edu](mailto:nascol@math.rutgers.edu).

\*7-9 **Semidefinite Programming and its Applications to Large Scale Discrete Optimization**, Computer Science Dept., Princeton University, Princeton, New Jersey.

**Sponsor:** DIMACS Center.

**Organizers:** R. J. Vanderbei (Princeton Univ.), [rjvb@princeton.edu](mailto:rjvb@princeton.edu), and Y. Ye (Univ. of Iowa), [yinyu-ye@uiowa.edu](mailto:yinyu-ye@uiowa.edu).

**Focus:** Semidefinite Programming has been a major research topic in the past several years. It was mainly a theoretical model for proving, e.g. bounds or showing desirable properties of certain mathematical problems. With the extension of the theory and practice of interior point methods from linear programming to semidefinite programming—many of these semidefinite programs exhibited desired computational complexity and tractability. This spurred interest and results in the field and development of approaches to solve large-scale semidefinite programs. It seems time to summarize all theoretical results, review various algorithmic approaches, demonstrate available implementation codes, explore important applications, and recommend future research directions of semidefinite programming. The workshop will consist of six invited presentations and about thirty talks on special issues.

**Support:** Limited support for participants is available, graduate students are particularly encouraged to participate.

**Contacts:** Y. Ye (Univ. of Iowa), [yinyu-ye@uiowa.edu](mailto:yinyu-ye@uiowa.edu).

**Local Arrangements:** S. Barbu (Princeton Univ.), [barbu@cs.princeton.edu](mailto:barbu@cs.princeton.edu), tel: 609-258-1771.

**Information:** WWW: <http://dimacs.rutgers.edu/Workshops/index.html>.

\*15-16 **ASL Winter Meeting (in conjunction with AMS annual meeting)**, San Antonio, Texas.

**Program Notes:** In the AMS meeting there will be an ASL/AMSS Special Session on Model Theory and its Applications, organized by A. Pillay. Other AMS special sessions include: Commutative Algebra and Algebraic Geometry, Computational Algebraic Geometry for Curves and Surfaces, Singularities in Algebraic and Analytic Geometry, Mathematics and Education Reform, History of Mathematics, and Mathematics Education and Mistaken Philosophies of Mathematics.

**Submission:** Abstracts of contributed papers from ASL members should be sent by

the deadline of October 9, 1998, to the ASL office.

**Local Arrangements:** Registration and hotel arrangements through the AMS.

**Information:** Association for Symbolic Logic, 1409 West Green Street, Urbana, Illinois 61801; tel: 217-244-7902; fax: 217-333-9576; e-mail: [asl@math.uiuc.edu](mailto:asl@math.uiuc.edu); <http://www.math.uiuc.edu/~asl/>.

\*18-21 **DMTCS'99, Discrete Mathematics and Theoretical Computer Science and CATS'99, Computing: The Australasian Theory Symposium**, University of Auckland and CDMTCS, Auckland, New Zealand.

**Topics:** Original papers are solicited in all areas of discrete mathematics and theoretical computer science. Typical, but not exclusive, topics of interest include: abstract data types and specification, algorithms and data structures, automata and formal languages, computability and complexity, computational algebra, biology, geometry, logic and number theory, concurrency, distributed systems and parallel computing, constructive mathematics, discrete mathematics, combinatorial computing and category theory, formal semantics, specification, synthesis and verification, hybrid systems and nonmonotonic logic.

**Call for Papers:** Authors are invited to submit papers either in hard copy by post, or electronically by e-mail, to the address below. Electronic submissions should be in PostScript format, printable in a standard Unix environment. L<sup>A</sup>T<sub>E</sub>X source of final version of accepted papers will be required. Submissions should not exceed 15 pages and include an e-mail address of the corresponding author. Joint submissions to other conferences are not permitted. At least one author of each accepted paper is expected to register by November 6, 1998 and present their work at the conference. The proceedings will be published by Springer-Verlag, Singapore, in the DMTCS Series, and will be made available during the conference. Send submissions to: DMTCS'99 + CATS'99 (Attn: M. Dinneen), Department of Computer Science, University of Auckland, Private Bag 92019, Auckland, New Zealand, e-mail: [mjd@cs.auckland.ac.nz](mailto:mjd@cs.auckland.ac.nz).

**Invited Speakers:** R. Downey (UVW, NZ), J. Goguen (UCSD, USA), A. Nerode (Cornell, USA), J. Pach (Hungarian Academy of Sciences), A. Restivo (U. Palermo, Italy), G. Walsh (U. Ottawa).

**Fee:** The registration fee is A\$400 (which includes the dinner, excursion and proceedings) or A\$100 for students (including only the proceedings).

**Information:** See the home-page of the conference <http://www.tcs.auckland.ac.nz/~acsw99/>, or contact the local chair, B. Khoussainov, e-mail: [bmik@cs.auckland.ac.nz](mailto:bmik@cs.auckland.ac.nz).

**March 1999**

\*13-15 **International Conference on Scientific Computations**, Beirut Arab University, Beirut, Lebanon.

**Organizers:** D. Callebaut(chair, Antwerp Univ.), S. Doma (Beirut Arab Univ.), S. L. Kalla (Kuwait Univ.), N. L. Tsinstadze (Tbilisi Univ.), I. Moughrabi (Lebanese American Univ.).

**Call for Papers:** We invite submissions for 30-minute presentations on any aspect of scientific computations. Deadline for submitting papers is November 31, 1998. Papers will be refereed by an international committee. The proceeding is planned to be published soon after the conference. Send submissions to A. N. El-Kassar, Faculty of Science, Beirut Arab University, P.O.Box 15-5020, Beirut, Lebanon; e-mail: Science@bau.edu.lb or fax: 961-1-818402.

**Information:** For further information call 0961-03-534843 or email and fax above.

\* 13-17 1999 **Arizona Winter School: Local-to-Global Principles in Arithmetical Algebraic Geometry**, University of Arizona, Tucson, Arizona.

**Overview:** This conference is the second Arizona Winter School on Arithmetical Algebraic Geometry.

**Topics:** Lecture series are planned on the following topics: descent, the Shafarevich-Tate group, obstructions to the Hasse Principle, and the method of Coleman and Chabauty.

**Graduate Student Sessions:** Graduate student participants will each be assigned an advisor from one of the speakers and will be expected to report on their advisor's research talk during special sessions devoted to graduate student presentations.

**Professional Development:** There will be a professional development component focusing on the use of computers to make explicit calculations.

**Organizers:** W. McCallum, W. Raskind, and D. Ulmer.

**Confirmed Speakers:** J.-L. Colliot-Thelene, J. Cremona, W. G. McCallum, K. Rubin.

**Funding:** We expect to be able to provide financial support for accommodations and airfare to approximately 30 eligible graduate students and reseachers within a few years of receiving their degrees. In any case, the workshop is open to the mathematical public, not just the funded participants.

**Applications:** Applications for funding, consisting of a CV, publication record, and (for graduate students) a letter of recommendation, should be sent by November 30, 1998, to: W. McCallum, Attn: SWCAAG Workshop, Department of Mathematics, Univ. of Arizona, Tucson, AZ 85721.

**Information:** See <http://www.math.arizona.edu/~swcenter/aws99/index.html> or send an e-mail message to [majordomo@swc.math.arizona.edu](mailto:majordomo@swc.math.arizona.edu) with "subscribe aws99" in the body.

\* 20-23 **ASL Annual Meeting**, San Diego, California.

**Program Notes:** The program will represent a broad perspective of modern logic, and will include the Tenth Annual Gödel Lecture.

**Submission:** Abstracts of contributed papers from ASL members should be sent by the deadline of January 15, 1999, to the Program Chair: S. Buss, Department of Mathematics, Univ. of California at San Diego, La Jolla, CA 92093-0112; e-mail: [sbuss@ucsd.edu](mailto:sbuss@ucsd.edu).

**Program Committee:** S. Buss (chair), B. Hart, C. G. Jockusch Jr., V. McGee, and W. H. Woodin.

**Travel Grants:** Travel grants (partly supported by an NSF grant) are available to graduate students in logic. Applications should be sent by January 15, 1999, to S. Buss at the address above.

**Information:** Association for Symbolic Logic, 1409 West Green Street, Urbana, IL 61801; tel: 217-244-7902; fax: 217-333-9576; e-mail: [asl@math.uiuc.edu](mailto:asl@math.uiuc.edu); <http://www.math.uiuc.edu/~asl/>.

\* 24-26 **DIMACS Workshop on Mobile Networks and Computing**, DIMACS Center, Rutgers University, Piscataway, New Jersey.

**Organizers:** B. R. Badrinath (Dept. of CS, Rutgers Univ.), F. Hsu (Dept. of CIS, Fordham Univ.), P. Pardalos (Univ. of Florida), and S. Rajasekaran (Univ. of Florida).

**Aim:** The new challenges in designing software systems for mobile networks include location and mobility management, channel allocation, power conservation, among some others. This workshop is aimed at bringing together researchers from academia as well as the industry who are working on various aspects of mobile computing.

**Topics:** Topics will include sensor networks, smart spaces, field computing, channel allocation, etc.

**Local Arrangements:** P. Pravato, DIMACS Center, [pravato@dimacs.rutgers.edu](mailto:pravato@dimacs.rutgers.edu), tel: 732-445-5929.

**Information:** WWW: <http://dimacs.rutgers.edu/Workshops/Mobile/index.html>. Contact [raj@cise.ufl.edu](mailto:raj@cise.ufl.edu).

\* 25-28 **International Conference on Algebra and its Applications**, Ohio University, Athens, Ohio.

**Topics:** Theory of Rings and Modules, Coding Theory, and Applied Linear Algebra.

**Invited Speakers:** R. B. Bapat, R. Brualdi, R. Calderbank, M. P. Drazin, N. V. Dung, C. Faith, K. Fuller, J. L. Gomez-Pardo, K. Goodearl, B. Huisgen-Zimmermann, C. Johnson, T. Y. Lam, L. Levy, C. Moreno, O. Moreno, M. Neumann, B. Osofsky, J. Park, V. S. Pless, L. Rowen, S. Sehgal, P. F. Smith, H. Tapia-Recillas, M. Teply, R. Wisbauer, J. Wolfmann, and J. Zelmanowitz.

**Keynote Speaker:** E. Zelmanov.

**Funding:** This conference is supported by funding from the National Security Agency and Ohio University.

**Information:** Those interested please e-mail [aAlgebra@bing.math.ohiou.edu](mailto:aAlgebra@bing.math.ohiou.edu) and send a hard copy of the abstract (if you wish to contribute) so as to reach us by November 15, 1998. For more updates and additional information, please visit

our webpage at <http://www.bing.math.ohiou.edu/~algebra>.

## April 1999

\* 6-9 **London Mathematical Society Invited Lecture Series**, University of Bath, Bath, United Kingdom.

**Topic:** Reduction methods for differential equations.

**Lecturer:** A. Mielke (Hanover).

**Forum:** Ordinary and partial differential equations near steady states can often be reduced to equivalent but more accessible problems using implicit-function-theorem-type arguments. Often reduction is to finite-dimensional problems but sometimes, as in the case of Ginzburg-Landau theory, it leads to another partial differential equation.

A. Mielke will present a unified treatment of these approaches, which include Lyapunov-Schmidt procedures, invariant manifold theory, centre manifolds and amplitude equations (as in Ginzburg-Landau theory).

**Support:** These Invited Lectures, which are open to all, will be valuable for research students, and the LMS has provided funds to help support postgraduates who attend. It intends in each case that up to half the costs can be met, and it expects that the other half should be met by the student's department from RTSG or other funds. The fund will however be administered flexibly as needs dictate.

**Information:** For further details contact J. Toland, Department of Mathematical Sciences, Univ. of Bath, Bath BA2 7AY ([jft@maths.bath.ac.uk](mailto:jft@maths.bath.ac.uk)).

## May 1999

\* 7-8 **1999 ASL Spring Meeting**, New Orleans, Louisiana (in conjunction with a meeting of the Central Division of the American Philosophical Association, May 5-8, 1999).

**Program Notes:** The APA meeting will include a symposium on Frege and Russell, with speakers P. Hylton and I. Rumfitt.

**Submission:** Abstracts of contributed papers from ASL members should be sent by the deadline of February 26, 1999, to the ASL office. For any abstract submitted before November 6, 1998, the contributed talk will be scheduled and announced in the meeting program published by the APA.

**Program Committee:** G. Forbes and C. Parsons, co-chairs.

**Local Arrangements:** Registration and hotel arrangements through APA.

**Information:** Association for Symbolic Logic, 1409 West Green Street, Urbana, IL 61801; tel: 217-244-7902; fax: 217-333-9576; e-mail: [asl@math.uiuc.edu](mailto:asl@math.uiuc.edu); WWW <http://www.math.uiuc.edu/~asl/>.

\* 26-29 **Twelfth Biennial Conference of the Association of Christians in the Mathematical Sciences**, Gordon College, Wenham, MA.

**Invited Speaker:** W. Dunham (Muhlenberg College).

**Call for Papers:** Abstract deadline is December 1, 1998.

**Information:** R. Stout, Gordon College, Wenham, MA 01984-1895; e-mail: stout@faith.gordonc.edu.

\* 27-29 **Mathematics Towards The Third Millennium**, Accademia Nazionale dei Lincei, Rome, Italy.

**Aim:** The aim of the conference is to present a wide spectrum of trends of current research that might serve as a guideline for future developments.

**Organizers:** S. Abeasis, V. Baldoni, G. M. Piacentini Cattaneo, E. Prestini, C. Rossi, E. Strickland, G. Tarantello (Dipartimento di Matematica, Univ. di Roma Tor Vergata, Italia).

**Speakers:** V. Arnold (Paris, Steklov), E. Bombieri (I.A.S.), A. Connes (College de France), C. Fefferman (Princeton Univ.), P. Griffiths (I.A.S.), M. Gromov (I.H.E.S.), M. Kontsevitch (I.H.E.S.), E. Lieb (Princeton Univ.) D. McDuff (SUNY at Stony Brook), D. Mumford (Brown Univ.), M. Talagrand (Paris 6), K. Uhlenbeck (Austin), D. Vogan (M.I.T.).

**Information:** For future information use the Web site: <http://www.mat.uniroma2.it/> and click on Scienza & Cultura.

### June 1999

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\* 7-9 **Theoretical, Experimental & Computational Mechanics**, Cincinnati, Ohio.

**Theme:** The theme for the 1999 SEM (Society for Experimental Mechanics, Inc.) Conference is the interdependence between theoretical, experimental and computational mechanics. This international conference draws attendees from around the world to participate in technical presentations, workshops, symposia, product displays and roundtable discussions on a variety of topics related to the field of experimental and applied mechanics.

**Call for Papers:** Papers are solicited for the following thematic tracks: Experimental verification of computational models; Materials behavior: Experiments and models; Verifying structural design integrity and performance; Experimental and applied mechanics.

**Submissions:** All those interested in submitting a paper to the conference are encouraged to submit via SEM's Web site: <http://www.sem.org/>. Abstracts for the conference are due by October 9, 1998.

**Information:** Conference overview, full track descriptions, important dates and location information may also be found on the SEM Web site. For more information, contact SEM at: 7 School Street, Bethel, CT 06801; tel: 203-790-6373; fax: 203-790-4472; e-mail: meetings@sem1.com.

### July 1999

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\* 13-16 **International Conference on Applied Partial Differential Equations**, Tongji University, Shanghai, China.

**Organizers:** This conference is jointly organized by Tongji Univ. and City Univ. of Hong Kong.

**Presentations:** Presentations in all areas of applied partial differential equations are welcomed.

**Information:** Details of the conference are available on the Web page: <http://www.cityu.edu.hk/ma/conference/tongji/>. For further information, please contact H. Zipping at: Department of Applied Mathematics, Tongji Univ., 200092 Shanghai, P. R. China. E-mail: hzpsyhk@online.sh.cn; fax: +86-21-65150645.

### August 1999

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\* 1-6 **1999 ASL European Summer Meeting (Logic Colloquium '99)**, Utrecht, The Netherlands.

**Program Notes:** The program will represent logic broadly; a featured topic will be computational logic. ESSLLI-99 will take place in Utrecht during the two following weeks, August 8-20, 1999.

**Submission:** Abstracts of contributed papers must be submitted by the deadline of April 2, 1999, to the Program Chair: W. Hodges, School of Mathematical Sciences, Queen Mary and Westfield College, Mile End Rd., London E1 4NS, England; e-mail: w.hodges@qmw.ac.uk.

**Program Committee:** E. Barendsen, J. van Eijck, S. Goncharov, W. Hodges (chair), D. de Jongh, A. Kechris, P. Koepke, M. Lerman, D. Marker, J. van Oosten, A. Pitts, and A. Visser.

**Local Arrangements:** P. Blok, P. Dekker, J. van Eijck (chair), M. de Rijke, and Y. Venema.

**Travel Grants:** Travel grants (partly supported by an NSF grant) are available to graduate students in logic and recent Ph.D.s. Applications should be sent by April 2, 1999, to W. Hodges at the address above.

**Information:** Association for Symbolic Logic, 1409 West Green Street, Urbana, IL 61801; tel: 217-244-7902; fax: 217-333-9576; e-mail: asl@math.uiuc.edu; WWW: <http://www.math.uiuc.edu/~asl/>.

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**The following new announcements will not be repeated until the criteria in the next to the last paragraph at the bottom of the first page of this section are met.**

### June 2000

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\* 3-7 **1999-2000 ASL Annual Meeting**, University of Illinois at Urbana-Champaign, Illinois.

**Program Notes:** The program will reflect the accomplishments and future prospects of modern logic, in recognition of the new millennium.

**Local Arrangements:** L. van den Dries, C. W. Henson, C. G. Jockusch Jr., and A. Pillay.

**Information:** Association for Symbolic Logic, 1409 West Green Street, Urbana, IL 61801;

tel: 217-244-7902; fax: 217-333-9576; e-mail: asl@math.uiuc.edu; WWW: <http://www.math.uiuc.edu/~asl/>.

### July 2000

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\* 3-7 **ANTS IV (Algorithmic Number Theory Symposium IV)**, Korteweg de Vries Institute for Mathematics, University of Amsterdam, The Netherlands.

**Organizing Committee:** W. Bosma, H.J.J. te Riele, B. de Smit, P. Stevenhagen, J. Top.

**Information:** <http://www.wins.uva.nl/research/math/ants/or> contact P. Stevenhagen, Korteweg de Vries Institute for Mathematics, Univ. of Amsterdam, Plantage Muidergracht 24, 1018 TV Amsterdam, The Netherlands; e-mail: psh@wins.uva.nl.

\* 21-31 **2000 ASL European Summer Meeting (Logic Colloquium 2000)**, Paris, France.

**Program Notes:** The program will reflect the accomplishments and future prospects of modern logic, in recognition of the new millennium.

**Program Committee:** D. Andler, C. Berline, B. Cooper, D. van Dalen, A. Kanamori, A. Razborov, H. Schwichtenberg, J. Steel, S. Todorčević, A. Wilkie, and C. Wood (chair). **Local Arrangements:** R. Cori, Z. Chatzidakis, M. Dickmann, D. Lascar, L. Pacholski, J. P. Ressayre, and B. Velickovic.

**Information:** Association for Symbolic Logic, 1409 West Green Street, Urbana, IL 61801; tel: 217-244-7902; fax: 217-333-9576; e-mail: asl@math.uiuc.edu; WWW: <http://www.math.uiuc.edu/~asl/>.