ASL
Association for Symbolic Logic

Business Office: Box 742, Vassar College
124 Raymond Avenue, Poughkeepsie, New York 12604, USA
Fax: 1-845-437-7830; email: asl@vassar.edu
WWW: http://www.aslonline.org

ASL NEWSLETTER   April 2006

- **2006 Sacks Prize.** The ASL invites nominations for the 2006 Sacks Prize for the most outstanding doctoral dissertation in mathematical logic. Nominations must be received by September 30, 2006. The Sacks Prize was established to honor Professor Gerald Sacks of MIT and Harvard for his unique contribution to mathematical logic, particularly as adviser to a large number of excellent Ph.D. students. The Prize was first awarded in 1994 and became an ASL Prize in 1999. The Fund on which the Prize is based is now administered by the ASL and the selection of the recipient is made by the ASL Committee on Prizes and Awards. The Sacks Prize will consist of a cash award plus five years free membership in the ASL. For general information about the Prize, visit `http://www.aslonline.org/info-prizes.html`.

  In 2004 the Association made several changes to the application procedure. Anyone who wishes to make a nomination for the 2006 Sacks Prize should consult the webpage `http://www.aslonline.org/Sacks_nominations.html` for the precise details of the application process. A brief summary of the procedure is provided below.

  Students who defend their dissertations (equivalent to the American doctoral dissertation) between October 1, 2005, and September 30, 2006, are eligible for the Prize this year. This is an international prize, with no restriction on the nationality of the candidate or the university where the doctorate is granted. Nominations should be made by the thesis adviser, and consist of: name of student, title and 1–2 page description of dissertation, date and location where the doctorate was awarded, letter of recommendation from the adviser, and an electronic copy of the thesis in .pdf or .ps form, or the address of a web site from which an electronic copy in .pdf or .ps form can be downloaded. An independent second letter of recommendation is strongly encouraged. Nominations should be sent to the Committee Chair, John Steel; .pdf or .ps files sent as attachments by email to `steel@math.berkeley.edu` are preferred. The form of such letters and other pertinent details can be found at the web site above, and need to be read prior to submitting a nomination. Correspondence should be addressed to John Steel, Department of Mathematics, University of California, Berkeley, 970 Evans Hall #3840, Berkeley, CA 94720-3840 USA.

  Those wishing to contribute to the Sacks Prize Fund may send contributions to the ASL office (ASL, Box 742, Vassar College, 124 Raymond Avenue, Poughkeepsie, New York 12604). All such contributions are tax-deductible within the USA.

ASL MEETINGS

- **Student Travel Awards: ASL or ASL-Sponsored Meetings.** The ASL will make available modest travel awards to graduate students in logic to attend ASL or ASL-sponsored meetings. To be considered for a Travel Award, please (1) send a letter of application, and (2) ask your thesis supervisor to send a brief recommendation letter. The application letter should be brief (preferably one page) and should include: (1) your name; (2) your home institution; (3) your thesis supervisor's name; (4) a one-paragraph description of your studies and work in logic, *and, in the case of an ASL student member application to attend an ASL or ASL-sponsored meeting other than the Annual Meeting or European Summer Meeting*, a paragraph indicating why it is important to attend the meeting; (5) your estimate of the travel expenses you will incur; (6) (for citizens or residents of the USA) citizenship or visa status; and (7) (voluntary) indication of your gender and minority status. Women and members of minority groups are strongly encouraged to apply. In addition to funds provided by the ASL, the program of travel grants to the ASL Annual Meeting and the European Summer Meeting is supported by a grant

from the US National Science Foundation; NSF funds may be awarded only to students at US universities and to citizens and permanent residents of the USA. Air travel paid for using NSF funds must be on a US flag carrier. Application by email is encouraged; put "ASL travel application" in the subject line of your message.

For ASL student member travel grants to ASL or ASL-sponsored meetings (other than the Annual Meeting and European Summer Meeting, details for which are announced separately), applications and recommendations should be received at least three months prior to the meeting at the ASL Business Office: ASL, Box 742, Vassar College, 124 Raymond Avenue, Poughkeepsie, New York 12604, USA; Fax: 1-845-437-7830; email: `asl@vassar.edu`. Decisions will be communicated at least two months prior to the meeting.

- **2006 ASL Annual Meeting.** *May 17–21, 2006, Montreal, Canada.* The registration form and program for this meeting are enclosed in this Newsletter mailing. Electronic registration is available at `http://www.aslonline.org/meeting_registration.html`. The members of the Program Committee are: S. Feferman, S. Kuhlmann, D.A. Martin, P. Panangaden, S. Simpson, and M. Valeriote (Chair). The members of the Local Organizing Committee include: L. Bélair, F. Lepage, M. Marion (Chair), and P. Panangaden. For additional information, visit `http://asl2006.uqam.ca`.

- **2006 ASL European Summer Meeting (Logic Colloquium '06).** *July 27–August 2, 2006, Nijmegen, The Netherlands.* An informational brochure about this meeting, including a registration form, is enclosed in this Newsletter mailing. The invited speakers include: S. Abramsky, M. Arslanov, H. Friedman, M. Goldstern, E. Hrushovski, J. Koenigsmann, A. Lewis, A. Montalban, E. Palmgren, W. Pohlers, E. Schimmerling, J. Steel, W. Tait, and F. Wagner. Tutorials will be offered by R. Downey on algorithmic randomness and computability, I. Moerdijk on an introduction to algebraic set theory, and B. Velickovic on forcing axioms. On the occasion of the centennial of the birth of Kurt Gödel, a plenary discussion on Gödel's legacy in logic is planned. Special sessions on computability theory, computer science logic, model theory, proof theory and type theory, and set theory also will be held. The Program Committee includes: B. Cooper, S. Friedman, H. Geuvers, D. Macpherson, G. Mints, A. Pillay, M. Rathjen, R. Schindler, H. Schwichtenberg (Chair), R. Shore, W. Sieg, G. Sundholm, and J. Väänänen. The Local Organizing Committee includes: H. Geuvers (Chair), N. Messink, B. Spitters, and F. Wiedijk. For further information, visit `http://www.cs.ru.nl/lc2006/`.

  Abstracts of contributed talks submitted by ASL members will be published in *The Bulletin of Symbolic Logic* if they satisfy the Rules for Abstracts (see below). Abstracts—hard copy or email—should be received before the deadline of April 17, 2006 at the official meeting address: Logic Colloquium 2006, ICIS Faculty of Science, Radboud University Nijmegen, P.O. Box 9010, 6500 GL Nijmegen, The Netherlands; email: `lc2006@cs.ru.nl`.

- **2006-07 ASL Winter Meeting (with Joint Mathematics Meetings).** *January 7–8, 2007, New Orleans, Louisiana.* This meeting will take place in conjunction with the Joint Mathematics Meetings, which will be held January 5–8, 2007. In addition to the ASL program, there will be a joint AMS/ASL/MAA Panel discussion on Hilbert's Second Problem. The members of the Program Committee are T. Carlson, C. Delzell, and M. Groszek (Chair). Abstracts of contributed talks submitted by ASL members will be published in *The Bulletin of Symbolic Logic* if they satisfy the Rules for Abstracts (see below). Abstracts must be received by the deadline of September 15, 2006, at the ASL Business Office: ASL, Box 742, Vassar College, 124 Raymond Avenue, Poughkeepsie, New York 12604, USA; Fax: 1-845-437-7830; email: `asl@vassar.edu`.

- **2007 ASL Annual Meeting.** *March 10–13, 2007, Gainesville, Florida.* The Program Committee members are: M. Aschenbrenner, M. Dzamonja (Chair), N. Immerman, J. Larson, J. Miller, and J. Tappenden. The members of the Local Organizing Committee include: D. Cenzer, G. Emch, W. Mitchell, G. Ray, M. Sitharam, and J. Zapletal (Chair).

- **Rules for Abstracts.** The rules for abstracts of contributed talks at ASL meetings (including those submitted "by title") may be found at `http://www.aslonline.org/rules_abstracts.html`. Please note that abstracts *must* follow the rules as set forth there; those which do not conform to the requirements will be returned immediately to the authors submitting them. Revised abstracts that follow the rules will be considered if they are received by the announced deadline.

- **XIV Brazilian Logic Conference.** *April 24–28, 2006, Itatiaia, Rio de Janeiro, Brazil.* Topics for this meeting include: algebraic logic, logic and computation, history of logic, logic and education, model theory, non-classical logics, philosophy of formal sciences, and set theory. This event will also celebrate the centennial of the birth of Kurt Gödel. The members of the Program Committee are: X. Caicedo, W. Carnielli, O. Chateaubriand, J.C. Cifuentes, R. Cignoli, M.E. Coniglio, N. da Costa, J.J. da Silva, I.L. D'Ottaviano, C. Di Prisco, N.G. Gomes, D. Krause, R. Lewin, T. Pequeno, R. de Queiroz, M. Ruffino, and P. Veloso. The members of the Organizing Committee include: O. Chateaubriand (Chair), M. Correa, E.H. Haeusler, G. Hamazaki, and L.C. Pereira. For further information, send email to `XIVEBL@inf.puc-rio.br`, or visit `http://XIVEBL.inf.puc-rio.br/`.

- **Computability in Europe 2006 (CiE 2006): Logical Approaches to Computational Barriers.** *June 30–July 5, 2006, Swansea, Wales.* This meeting is being organized within the network "Computability in Europe" (CiE). The particular focus of the event is on aspects of logical approaches to computational barriers. There will be tutorials on Logical Approaches to the P vs. NP problem (S. Buss) and "Quantum Algorithms: Standard Tools and New Models" (J. Kempe). Invited speakers include: J. Bergstra, L. Cardelli, J.W. Dawson, J. Krajíček, E. Mayordomo Cámara, I. Németi, H. Schwichtenberg, and A. Weiermann. Special sessions also are planned on Challenges in Complexity, Computable Analysis, Foundations of Programming, Gödel Centenary: His Legacy for Computing, Mathematical Models of Computers and Hypercomputers, and Proofs and Computation. The Co-chairs of the Program Committee are A. Beckmann and J. Tucker. The Organizers are: A. Beckmann (Chair), U. Berger, B. Cooper, P. Grant, O. Kullmann, B. Löwe, M. Seisenberger, A. Setzer, and J. Tucker. For further information, visit `http://www.cs.swansea.ac.uk/cie06/`.

- **Thirteenth Workshop on Logic, Language, Information and Computation (WoLLIC'2006).** *July 18–21, 2006, Stanford, California.* This is the thirteenth in a series of workshops intended to foster interdisciplinary research in pure and applied logic. The Program Committee includes: J. Avigad, J. van Benthem, M. Davis, K. Devlin, E. Hirsch, G. Hjorth, D. Israel, V. Kreinovich, G. Mints, I. Neeman, H. Ono, W. Pohlers, V. Pratt, and T. Scanlon. The members of the Organizing Committee are: A.G. de Oliveira, V. de Paiva, M. Pauly, and R. de Queiroz. For further information, visit `http://www.cin.ufpe.br/~wollic/wollic2006/`.

- **XIII Simposio Latinoamericano de Lógica Matemática (SLALM).** *August 7–12, 2006, Oaxaca, Mexico.* The Program Committee members are: C. DiPrisco (Chair), J. Flum, J. Larson, A. Llera, P. Mancosu, R. Matthes, A. Maynes, E. Pimentel, M. Rathjen, J. Truss, and A. Villaveces. The Organizing Committee includes: C. Alcaraz, G. Arena, M. de Castro, J. Cuevas, J. Montaño, F. Perea, D. Rebolledo, L. Silva, and J. Valencia. As in previous symposia, a School in Mathematical Logic will precede the symposium on August 1–5, and offer the following short courses: Infinite Combinatorics and Ramsey's Theory (C. DiPrisco), Set Theory and its Applications (J. Larson), Tarski's Work (P. Mancosu), and Model Theory (J. Truss). For further information, visit `http://slalm.izt.uam.mx/`.

- **Twenty-first Annual IEEE Symposium on Logic in Computer Science (LICS 2006).** *August 12–15, 2006, Seattle, Washington.* LICS is an annual international forum on theoretical and practical topics in computer science that relate to logic in a broad sense. LICS 2006 will be held as part of the Fourth Federated Logic Conference (FLoC'06). The invited speakers include: A. Blass, A. Gordon, and O. Kupferman. There also will be a joint LICS/RTA/SAT plenary lecture given by R. Bryant. The LICS Program Chair is R. Alur; the LICS General Chair is P. Kolaitis. For more information about LICS, visit `http://www.lfcs.informatics.ed.ac.uk/lics`; for further information about FLoC'06, see `http://research.microsoft.com/floc06/`.

- **2006 Australasian Association for Logic Meeting.** *September 23–24, 2006, Noosa, Queensland, Australia.* This event will take place immediately prior to the Advances in Modal Logic '06 Conference (AiML'06); see below. The program of the meeting includes an invited talk by Y. Venema. The deadline for submission of abstracts of contributed talks is June 30, 2006; abstracts should conform to the ASL rules for abstracts (see above). For further information contact G. Governatori (email: `guido@itee.uq.edu.au`) or visit `http://www.itee.uq.edu.au/~guido/AAL06`.

- **Horizons of Truth: Gödel Centenary 2006.** *April 27–29, 2006, Vienna, Austria.* This international symposium will celebrate the one-hundredth birthday of Kurt Gödel. The program includes more than twenty lectures by eminent scientists in the fields of logic, mathematics, philosophy, physics, cosmology, and theology. A young researcher's competition also is planned, with a 20,000 euro prize for the best project. The Honorary Chair of the event is G. Takeuti, President of the Kurt Gödel Society. The members of the Program Committee include: M. Baaz (Chair), H. Choi, S.D. Friedman, G. Gottlob, C. Harper, A. Leitsch, K. Sigmund, F. Stadler, and A. Zeilinger. For further information, visit `http://www.logic.at/goedel2006/`.

- **Constraints and Verification.** *May 8–12, 2006, Cambridge, England.* This is a workshop of the Spring 2006 program on "Logic and Algorithms" at the Isaac Newton Institute for Mathematical Sciences. In recent years there has been an increasing interest in the application of constraint-programming and constraint-solving technology to the verification of hardware and software systems. This workshop aims to bring together researchers working in constraints and verification and to investigate the theoretical foundations, new applications, and future developments in this area. The invited speakers include: E. Clarke, P. Cousot, E. Giunchiglia, Z. Hanna, M. Kwiatkowska, Z. Manna, K. McMillan, Y. Naveh, J.-F. Puget, and P. Wolper. The Organizers are A. Podelski and M. Vardi. For further information, visit `http://www.newton.cam.ac.uk/programmes/LAA/laaw05.html`.

- **2006 Greater Boston Logic Conference.** *May 12–14, 2006, Cambridge, Massachusetts.* The invited speakers include: P. Cholak, B. Csima, M. Dzamonja, H. Mildenberger, J. Millar, B. Miller, J. Miller, A. Montalbán, R. Moosa, and R. Weber. The members of the Organizing Committee are A. Chan, P. Fejer, C. Goddard, A. Kanamori, and G. Sacks (Chair). Financial support for graduate students and postdoctoral researchers is anticipated. For further information, visit `http://www-math.mit.edu/conferences/logic/`.

- **Mathematical Foundations of Programming Semantics (MFPS XXII).** *May 24–27, 2006, Genova, Italy.* The invited speakers include: M. Fiore, E. Moggi, P. Panangaden, D. Sangiorgi, P. Selinger, and S. Zdancewic. There also will be special sessions on quantum computing, security, and timed systems. The Co-chairs of the Program Committee are S. Brookes and M. Mislove. For further information, visit `http://www.math.tulane.edu/~mfps/mfps22.htm`.

- **NonStandard Methods and Applications in Mathematics (NSM 2006).** *May 25–31, 2006, Pisa, Italy.* This biennial event focuses on the application of nonstandard methods in a broad range of fields. The members of the Scientific Committee are: V. Benci, N.J. Cutland, H.J. Keisler, D.A. Ross, and Y. Sun. The Chair of