THE BULLETIN OF SYMBOLIC LOGIC
Volume 11, Number 2, June 2005

NOTICES

- THE 2004 ASL ELECTION. The ASL membership has elected Charles Steinhorn (Vassar) as Secretary-Treasurer, Mariangiola Dezani (Torino) and Jörg Flum (Freiburg) to the Executive Committee, and Qi Feng (Chinese Academy of Sciences) and Prakash Panangaden (McGill) to the Council. Their terms of office are for three years, beginning January 1, 2005. The Nominating Committee consisted of Zofia Adamowicz, Joan Bagaria, Daniel Leivant, Paolo Mancosu, Dag Normann, and Jouko Väänänen (Chair).

- PROPOSED AMENDMENT TO THE ASL CONSTITUTION. In May 2004, the ASL Executive Committee approved a proposal to amend Article IV, Section 3 of the ASL Constitution to change the required notification dates as follows: (a) the date by which the Secretary must notify members of nominations for elective offices be changed from October 15 to October 1; and (b) the date by which the Secretary must receive nominations for elective office made by petition of ten or more members be changed from November 15 to November 1. The rationale for the changes is to ensure that the annual elections can be completed by December 31, particularly if a nomination by petition is received. The ASL Constitution may be found at `http://www.aslonline.org/info-about-constitution.html`.

  According to the ASL Constitution (Article VI): Amendments may be proposed by the Executive Committee or by ten or more members. Such proposals must be filed with the Secretary before October 1, and notice of them shall be sent to members by October 15. This proposed amendment shall be adopted if, as specified by the Constitution (Article VI), it is approved by at least two-thirds of the members voting on it at the annual election to take place later this year.

- 2005 SACKS PRIZE. The ASL invites nominations for the 2005 Sacks Prize for the most outstanding doctoral dissertation in mathematical logic. Nominations must be received by September 30, 2005.

  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 2005 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, 2004, and September 30, 2005, 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, Rod Downey; .pdf or .ps files sent as attachments by email to `Rod.downey@vuw.ac.nz` 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 Rod Downey, School of Mathematical and Computing Sciences, Victoria University, PO Box 600, Wellington, New Zealand.

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.

- Reduced Dues for Individuals and Institutions in Developing Economies. The ASL recently approved a program to offer reduced dues for individual and institutional members in developing economies. For 2005, the reduced dues are US$18 for individuals and US$130 for institutional members. These dues apply to individuals and institutions residing in countries whose economies are classified as 'lower middle income' or below on the World Bank's annual list. For further information, visit `http://www.aslonline.org/membership_outreach.html` or contact the ASL Business Office: ASL, Box 742, Vassar College, 124 Raymond Avenue, Poughkeepsie, New York 12604, USA; Tel: 1-845-437-7080; Fax: 1-845-437-7830; email: `asl@vassar.edu`.
- Reduced Dues for Unemployed Members. The ASL now offers reduced dues for individual members who are unemployed. For 2005, the reduced dues are US$35. For further information, visit `http://www.aslonline.org/membership-individual.html` or contact the ASL Business Office: ASL, Box 742, Vassar College, 124 Raymond Avenue, Poughkeepsie, New York 12604, USA; Tel: 1-845-437-7080; Fax: 1-845-437-7830; email: `asl@vassar.edu`.
- Perspectives in Mathematical Logic Volumes Available. This series is now being published by the Association for Symbolic Logic, under the new name *Perspectives in Logic*. Owing to the generosity of Springer-Verlag, the former publisher of the series, the ASL has made the existing stock of certain books in the series available to the logic community at low prices, as has been done with the *Lecture Notes in Logic*. (Some books in the series will continue to be made available by Springer-Verlag and others will be reprinted by ASL.) An order form for the volumes sold by the ASL can be found online at `http://www.aslonline.org/files/Perspectivesorderform.pdf`. This form also can be obtained by writing to the ASL Business Office.
- Book Discounts for ASL Members. Several publishers now offer discounts on books to ASL members. For a detailed description of these discounts, visit `http://www.aslonline.org/books-discounts.html` on the ASL website, or write to the ASL Business Office.
- Student Travel Awards: The 2006 ASL Annual Meeting and other ASL or ASL-Sponsored Meetings. The ASL will make available modest travel awards to graduate students in logic so that they may attend the 2006 ASL Annual Meeting in Montreal, Canada; see below for information about this meeting. Student members of the ASL also may apply for travel grants to other 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 USA 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 the 2006 ASL Annual Meeting, applications and recommendations should be received before the deadline of March 4, 2006, by the Program Chair: Matt Valeriote, Department of Mathematics & Statistics, Hamilton Hall, McMaster University, Hamilton, Ontario CANADA L8S 4K1; Fax: (905) 522-0935; email: `matt@math.mcmaster.ca`.

For ASL student member travel grants to other ASL or ASL-sponsored meetings, 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.

- 2005 ASL EUROPEAN SUMMER MEETING (LOGIC COLLOQUIUM '05). *July 28–August 3, 2005, Athens, Greece.* Invited speakers include: J. Bergstra, S. Goncharov, D. Haskell, E. Jaligot, J. Moore, A. Nies, C. Parsons, H. Schwichtenberg, M. Sheard, S. Tupailo, K. Weihrauch, and J. Zapletal. The following short courses will be offered (with speakers in parentheses): computer science logic (P. Kolaitis), model theory (I. Ben-Yaacov), philosophy of logic (G. Restall), and proof theory and constructivity (P. Aczel). The members of the Program Committee are: C.T. Chong, C. Dimitracopoulos, H. Field, G. Jaeger, G. Metakides, L. Newelski, D. Normann, R. Parikh, J. Steel, S. Todorcevic, J. Tucker, F. Wagner, and S. Wainer (Chair). The Local Organizing Committee includes: D. Anapolitanos, C. Dimitracopoulos (Chair), L. Kirousis, G. Koletsos, M. Mytilinaios, S. Papastavridis, Th. Pheidas, P. Rondogiannis, G. Stavrinos, A. Synachopoulos, and A. Tzouvaras. For further information visit `http://math.uoa.gr/~lc2005/`.
- 2005-06 ASL WINTER MEETING (WITH APA). *December 27–30, 2005, New York, New York.* The members of the Program Committee are M. Fitting, H. Gaifman (Chair), and A. Urquhart. 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 9, 2005, 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`.
- 2005-06 ASL WINTER MEETING (WITH JOINT MATHEMATICS MEETINGS). *January 14–15, 2006, San Antonio, Texas.* This meeting will take place in conjunction with the Joint Mathematics Meetings, which will be held January 12–15, 2006. The members of the Program Committee are S. Gao, V. Harizanov (Chair), and C. Miller. 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 16, 2005, 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`.
- 2006 ASL ANNUAL MEETING. *May 17–21, 2006, Montreal, Canada.* 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.

  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 February 10, 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.

- Rules for Abstracts. The rules for abstracts of contributed talks at ASL meetings (including those submitted "by title") may be found at the website 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.

- Computational Prospects of Infinity. *June 20–July 16, 2005 and July 18–August 15, 2005, Singapore, Republic of Singapore.* This program, supported by the Institute of Mathematical Sciences at the National University of Singapore, will focus on recent developments in set theory and recursion theory. The program will include two workshops. The first, on set theory, will be held June 20–July 16, 2005; tutorials will be offered by J. Steel and H. Woodin. The second workshop, on recursion theory/computability theory, will take place on July 18–August 15, 2005, with tutorials given by R. Downey and T. Slaman. There will be invited lectures and regular talks arranged throughout the duration of the program. The organizers are: C. Chong, Q. Feng, T. Slaman, H. Woodin, and Y. Yang. Limited funds to cover travel and living expenses are available for young scientists. For further information, visit http://www.ims.nus.edu.sg/Programs/infinity/index.htm. (ASL Sponsored Meeting.)

- Twentieth IEEE Symposium on Logic In Computer Science (LICS 2005). *June 26–29, 2005, Chicago, Illinois.* The LICS Symposium is an annual international forum on theoretical and practical topics in computer science that relate to logic broadly construed. The LICS General Chair is P. Kolaitis (email: kolaitis@cs.ucsc.edu); the LICS 2005 Program Chair is P. Panangaden (email: prakash@cs.mcgill.ca). Workshops are planned for June 25, June 30, and July 1. For further information, visit http://www.lfcs.informatics.ed.ac.uk/lics/. (ASL Sponsored Meeting.)

- Twelfth Workshop on Logic, Language, Information and Computation (WoLLIC'2005). *July 19–22, 2005, Florianópolis (Santa Catarina), Brazil.* This is the twelfth in a series of workshops intended to foster interdisciplinary research in pure and applied logic. The Program Committee includes: E. Allender, S. Basu, P. Clote, J. Flum, D. Galmiche, A. Herzig, J.-B. Joinet, M. Kanazawa, Y. Kohayakawa, A. Macintyre, L.C. Pereira, H. Rott, R. Thomason, Y. Venema, A. Voronkov and M. Zaionc. The Co-Chairs of the Organizing Committee are G. Bittencourt and R. de Queiroz. For further information, visit http://www.cin.ufpe.br/~wollic/wollic2005/. (ASL Sponsored Meeting.)

- Logic in Hungary, 2005. *August 5–11, 2005, Budapest, Hungary.* This event, organized by the Janos Bolyai Mathematical Society, celebrates the centenary of the birth of two great Hungarian logicians, L. Kalmar and R. Peter. The main topics of the conference are algebraic logic, foundations of space-time, and set theory. Confirmed invited speakers include: J. van Benthem, N. Belnap, Gy. David, J. Earman, M. Foreman, H. Friedman, S. Friedman, M. Gitik, J. Hintikka, R. Hirsch, I. Hodkinson, M. Hogarth, T. Jech, P. Koepke, K. Kunen, J. Madarász, M. Makkai, D. Monk, V. Pambuccian, N. Sauer, P. Suppes, S. Todorcevic, B. Velickovic, and C. Wüthrich. The members of the organizing committee include: A. Hajnal and J. Suranyi (Honorary Chairs); H. Andreka, I. Juhasz, P. Komjath, and I. Nemeti (Co-chairs); and L. Csirmaz, M. Ferenczi, M. Redei, G. Sagi, I. Sain, and L. Soukup. For further information, visit http://www.renyi.hu/lh05. (ASL Sponsored Meeting.)

- Ninth Asian Logic Conference. *August 16–19, 2005, Novosibirsk, Russia.* The invited speakers tentatively include: P. Alaev, L. Beklemishev, Yu. Ershov, S. Gao, S. Jain, V. Kanovei, V. Khoussainov, A. Mantsivoda, J. Miller, H. Ono, V.V. Rybakov, M. Sato, M. Vardi, A. Voronkov, and X. Zhao. The Chair of the Program Committee is S. Goncharov and the

Chair of the Organizing Committee is S. Odintsov. For further information, visit http://www.sbras.ru/ws/ALC-9/index.en.html. (ASL Sponsored Meeting.)

- 2005 Australasian Association for Logic Meeting. *September 24–25, 2005, Perth, Western Australia.* The principal organizer of this conference is Hartley Slater (email: slaterbh@cyllene.uwa.edu.au), who is currently President of the Association. Papers on all aspects of logic are welcome, with the deadline for their submission being June 24, 2005. The meeting will be held immediately prior to the annual meeting of the Australasian Mathematics Society on September 26-30, 2005, which also will take place in Perth (for more information about this meeting, visit http://www.maths.uwa.edu.au/%7Eaustms05/index.html). There will be a special plenary session during the A.M.S. conference, featuring a sponsored 'Association for Symbolic Logic Lecture.' Further information may be found at http://www.philosophy.uwa.edu.au/aal_conference_2005. (ASL Sponsored Meeting.)
- Twelfth International Symposium on Temporal Representation and Reasoning (TIME 2005). *June 23–25, 2005, Burlington, Vermont.* This conference focuses on research on time-related problems within areas such as artificial intelligence, databases, and logic and computer-aided verification. The invited speakers are P. Godefroid and B. Salzberg. The General Chair is P. Wolper, and the Program Co-Chairs are J. Chomicki and D. Toman. For further information, visit http://time2005.cse.buffalo.edu/.
- Seventh International Workshop on Logic and Computational Complexity (LCC'05). *June 24–25, 2005, Chicago, Illinois.* This event concerns topics that connect the complexity theoretic and logic-based sides of computer science theory and practice. Confirmed invited speakers include A. Blass and C. Koch. The Program Chairs are S. Abramsky and L. Libkin. For further information, visit http://www.cis.syr.edu/~royer/lcc/LCC05/.
- Workshop on Pure Model Theory. *July 4–8, 2005, Norwich, England.* This is a satellite meeting of the Isaac Newton Institute Program, "Model theory and applications in algebra and analysis." The themes of the workshop include: forking and simple theories; Hrushovski constructions; non-elementary classes; topological methods in model theory; and, independence in unstable structures. Tutorials will be given by: I. Ben Yaacov, L. Newelski, and B. Poizat. Plenary speakers include: J. Baldwin, E. Bouscaren, B. Kim, C. Laskowski, K. Peterzil, M. Prest, B. Zilber, and M. Ziegler. For further information, visit http://www.mth.uea.ac.uk/~h120/PureMod.html.
- Eighth European Conference on Symbolic and Quantitative Approaches to Reasoning with Uncertainty (ECSQARU-2005). *July 6–9, 2005, Barcelona, Spain.* This biannual event is a major forum for advances in the theory and practice of reasoning under uncertainty. Contributors are expected to include both researchers interested in advancing the technology and practitioners who are using uncertainty techniques in applications. The Conference Chair is L. Godo. For further information, visit http://www.ecsqaru.org/ECSQARU2005.
- Seventeenth International Conference on Computer Aided Verification (CAV 2005). *July 6–10, 2005, Edinburgh, Scotland.* This series is dedicated to the advancement of the theory and practice of computer-assisted formal analysis methods for software and hardware systems. Invited speakers include: B. Bentley, B. Mishra, and G. Necula. Tutorials on automated abstraction refinement and the theory and practice of decision procedures for combinations of (first-order) theories will be presented. The Co-chairs of the Program Committee are K. Etessami and S. Rajamani. For further information, visit http://www.cav2005.inf.ed.ac.uk/.
- Model Theory, Algebraic and Analytic Geometry. *July 11–15, 2005, Cambridge, England.* This Euro Conference is supported by the European Commission in association with the Newton Institute program on Model Theory and Applications to Algebra and Analysis.

Confirmed invited speakers include: M. Aschenbrenner, F. Cano, J. Denef, L. van den Dries, A. Gabrielov, J. Gordon, E. Hrushovski, E. Jaligot, P. Koiran, J.-M. Lion, L. Lipshitz, R. Moosa, R. Moussu, M. Otero, R. Pink, B. Poonen, F. Pop, Z. Robinson, J.-P. Rolin, T. Scanlon, S. Starchenko, K. Tent, N. Vorobjov, and F. Wagner. The organizers are: A. Macintyre, D. Marker, A. Wilkie (Chair), and C. Wood. For further information, visit `http://www.newton.cam.ac.uk/programmes/MAA/maaw03.html`.

- TWENTIETH INTERNATIONAL CONFERENCE ON AUTOMATED DEDUCTION (CADE-20). *July 22–27, 2005, Tallinn, Estonia.* This event is the major forum for the presentation of research in all aspects of automated deduction. Invited speakers include: R. Bryant, G. Dowek, and F. Wolter. The Program Chair is R. Nieuwenhuis and the Organizing Chair is T. Tammet. For further information, visit `http://sise.ttu.ee/it/cade`.
- INTERNATIONAL SYMPOSIUM ON SYMBOLIC AND ALGEBRAIC COMPUTATION (ISSAC2005). *July 24–27, 2005, Beijing, China.* Invited speakers include: B. Buchberger, B. Salvy, and W.-T. Wu. Tutorials will be offered by E. Hubert, A. Tisserand, and J. Verschelde. The Chair of the Program Committee is P. Paule. For further information, visit `http://www.mmrc.iss.ac.cn/~issac2005/`.
- FIFTH PANHELLENIC LOGIC SYMPOSIUM. *July 25–28, 2005, Athens, Greece.* This event will honor Y.N. Moschovakis upon his retirement from the University of Athens. Invited speakers include: K. Apt, O. Belegradek, M. Fitting, A. Kechris, L. Kirousis, Ph. Kolaitis, E. Kranakis, Z. Petric, I. Pratt-Hartmann, and D. Skordev. The Chair of the Program Committee is C. Dimitracopoulos, and the Organizing Committee Chair is P. Rondogiannis. For more information, visit `http://www.di.uoa.gr/~pls5`.
- SEVENTEENTH EUROPEAN SUMMER SCHOOL IN LOGIC, LANGUAGE AND INFORMATION (ESSLLI-2005). *August 8–19, 2005, Edinburgh, United Kingdom.* The main focus of the European Summer Schools in Logic, Language and Information is on the interface between linguistics, logic and computation. Foundational, introductory, and advanced courses together with workshops cover a wide variety of topics within the three areas of interest: Language and Computation, Language and Logic, and Logic and Computation. For further information, visit `http://www.macs.hw.ac.uk/esslli05/`.
- MODEL THEORY IN BOGOTA. *August 10–19, 2005, Bogota, Colombia.* This event includes sessions devoted to logic and model theory at the Colombian Mathematical Congress and the third Bogota Model Theory Summer Meeting. For more information, visit `http://www.math.uiuc.edu/~jamoreno/MTBogota2005/`, or contact A. Onshuus (`onshuus@gmail.edu`) or L.J. Corredor (`lcorredo@uniandes.edu.co`).
- AUTOMATED REASONING WITH ANALYTIC TABLEAUX AND RELATED METHODS (TABLEAUX 2005). *September 14–17, 2005, Koblenz, Germany.* This event, co-located with the International Workshop on First-Order Theorem Proving (FTP 2005), see below, brings together researchers interested in all aspects—theoretical foundations, implementation techniques, systems development and applications—of the mechanization of reasoning with tableaux and related methods. The Chair of the Program Committee is B. Beckert. For further information, visit `http://tableaux2005.uni-koblenz.de/`.
- INTERNATIONAL WORKSHOP ON FIRST-ORDER THEOREM PROVING (FTP 2005). *September 14–17, 2005, Koblenz, Germany.* This meeting is the seventh in a series of workshops intended to focus effort on first-order theorem proving as a core theme of automated deduction, and to provide a forum for presentation of recent work and discussion of research in progress. It is co-located this year with the Automated Reasoning with Analytic Tableaux and Related Methods (TABLEAUX 2005) conference; see above. The Chair of the Program Committee is R. Letz. For further information, visit `http://ftp2005.uni-koblenz.de`.