ASSOCIATION FOR SYMBOLIC LOGIC

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ASL NEWSLETTER September 2006

- **The 2006 ASL Election.** At the end of this year the ASL will elect a President and Vice President, two members of the Executive Committee of the Council, and two members of the Council. All terms are for three years beginning January 1, 2007. The ballot will be sent to all ASL members with the November Newsletter. The 2006 Nominating Committee has nominated Penelope Maddy (UC Irvine) as President, Alex J. Wilkie (Oxford) as Vice President, C.T. Chong (Singapore) and Jouko Väänänen (Helsinki) for the Executive Committee positions, and Jeremy Avigad (Carnegie Mellon) and Bakhadyr Khoussainov (Auckland) for the Council positions. The Nominating Committee consisted of Françoise Delon, Donald A. Martin, Yiannis Moschovakis, Toniann Pitassi, Michael Rathjen, Richard A. Shore (Chair), Albert Visser, and W. Hugh Woodin.

  Additional nominations may be made by petition signed by 10 or more ASL members; such petitions should be received by the ASL Secretary-Treasurer (email `asl@vassar.edu` or ASL, Box 742, Vassar College, 124 Raymond Ave., Poughkeepsie, N.Y. 12604, USA) no later than November 1, 2006. In a contested election, each candidate has the opportunity to make a 100-word statement to be distributed with the ballot.

- **Shoenfield Prize.** The ASL invites nominations for the inaugural Shoenfield Prize for outstanding expository writing in the field of logic. This prize, to be awarded at the 2007 ASL European Summer Meeting, has been established by the ASL to honor the late Joseph R. Shoenfield for his many outstanding contributions to logic and to the ASL. Generations of logicians have especially valued Shoenfield's expository gifts, and his writings provide models of lucidity and elegance. The fund on which the Prize is based is administered by the ASL and the award is made by the Association upon the recommendation of the ASL Committee on Prizes and Awards. For general information about the Prize, visit `http://www.aslonline.org/info-prizes.html`.

  There will be a Shoenfield Prize for a book and another one for an expository article, each to be awarded simultaneously every three years; the first Shoenfield Prize(s) will be awarded in 2007. The Shoenfield Prize for a book consists of a cash award of $1,500; the Prize for an article is a cash award of $1,000. Any book or article published during the six years prior to the award year is eligible. The deadline for nominations is March 1 of the year of the award.

  Eligible books, articles, and papers for the 2007 Shoenfield Prize are those published in the period January 1, 2001 to December 31, 2006. The deadline for nominations is March 1, 2007. Nominations should be sent to the Chair of the ASL Committee on Prizes and Awards, John Steel (email: `steel@math.berkeley.edu`).

  Those wishing to contribute to the Shoenfield 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.

- **Call for Proposals: 2008 AMS-ASL Special Session.** The ASL Committee on Meetings in North America requests proposals for an AMS-ASL Special Session to be held at the Joint Mathematics Meetings in San Diego, California, January 6–9, 2008. Proposals and requests for additional information should be be sent by email to the Committee Chair, Deirdre Haskell (email: `haskell@math.mcmaster.ca`). The deadline for receipt of proposals is January 26, 2007.

- **Reduced Dues for Individuals and Institutions in Developing Economies.** In 2003, the ASL approved a program to offer reduced dues for individual and institutional members in developing economies. For 2007, 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 2007, the reduced dues are US$38. 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.

- **Book Discounts for ASL Members.** Several publishers 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.

ASL MEETINGS

- **Student Travel Awards: The 2007 ASL Annual Meeting, 2007 ASL European Summer Meeting, and other ASL or ASL-Sponsored Meetings.** The ASL will make available modest travel awards to graduate students in logic and (for the European Summer Meeting only) to recent Ph.D.'s so that they may attend the 2007 ASL Annual Meeting in Gainesville, Florida, or the 2007 ASL European Summer Meeting in Wrocław, Poland; see below for information about these 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 2007 ASL Annual Meeting, applications and recommendations should be received before the deadline of December 22, 2006, by the Program Chair: Mirna Dzamonja, School of Mathematics, University of East Anglia, Norwich, UK, NR4 7TJ; Fax: +44 (0)1603 593868; email: M.Dzamonja@uea.ac.uk. Applications by email are preferred.

  For the 2007 ASL European Summer Meeting, applications and recommendations should be received before the deadline of March 19, 2007. The address to which applications and recommendations should be sent will be announced at http://www.aslonline.org/studenttravelawards.html.

  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.

- **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. Invited speakers include: M. Foreman, S. Gao, V. Harizanov, U. Kohlenbach, M. Rathjen, R. Solomon, and C. Wood. In addition to the ASL program, there will be a joint AMS-ASL-MAA Panel discussion on "Contemporary Perspectives on Hilbert's Second Problem and the Gödel Incompleteness Theorems," with H. Friedman, D. Marker, and M. Rathjen as panelists and A. Kanamori as the moderator. There also will be a joint AMS-ASL Special Session on "Logical Methods in Computational Mathematics," organized by S. Basu and C. Delzell. The members of the Program Committee are T. Carlson, C. Delzell, and M. Groszek (Chair). A preregistration form and hotel information for this meeting are included in this Newsletter mailing.

- **2007 ASL Annual Meeting.** *March 10–13, 2007, Gainesville, Florida.* The invited speakers include: A. Blass, M. Benedikt, N. Dobrinen, N. Greenberg, D.R. Hirschfeldt, S. Kuhlmann, H. Leitgeb, W.J. Mitchell, R. Zach, and T. Wilke. The Eighteenth Annual Gödel Lecture will be given by E. Hrushovski. Special sessions (with organizers in parentheses) are planned in computability theory (N. Greenberg), algebraic model theory (M. Aschenbrenner), logic research for undergraduates (W. White), and connections of set theory with boolean algebras and topology (M. Dzamonja and J. Larson). 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). For further information, visit `http://www.math.ufl.edu/~jal/logicyear/asl/`.

  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 December 4, 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 Spring Meeting (with APA).** *April 18–21, 2007, Chicago, Illinois.* This meeting will be held jointly with the Annual Meeting of the Central Division of the American Philosophical Association. The members of the Program Committee are D. Leivant, L. Moss, and W. Tait (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 January 12, 2007, 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 European Summer Meeting (Logic Colloquium '07).** *July 13–19, 2007, Wrocław, Poland.* This meeting will be co-located with the 2007 International Colloquium on Automata, Languages and Programming (ICALP 2007; see below and `http://www.eatcs.org/`) and the Twenty-second Annual IEEE Symposium on Logic In Computer Science (LICS 2007; see below and `http://users.comlab.ox.ac.uk/luke.ong/LICS07/`). The Program Committee includes: A. Andretta, F. Delon, U. Kohlenbach, S. Lempp (Chair), P. Maddy, J. Marcinkowski, L. Newelski, A. Pitts, P. Pudlak, S. Solecki, F. Stephan, and G. Sundholm. The Local Organizing Committee includes: J. Marcinkowski (Chair), T. Jurdzinksi, E. Kieronski, P. Kowalski, and B. Rusiecka.

  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. The address to which abstracts should be sent will be announced at `http://www.aslonline.org`.

- **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.

ASL SPONSORED MEETINGS

- **Logic, Computability and Randomness 2007.** *January 10–13, 2007, Buenos Aires, Argentina.* The theme of this conference is algorithmic randomness and related topics in logic, computability, and complexity. The program will consist of invited talks, contributed talks, and discussions. The invited speakers include: E. Allender, R. Cignoli, N. Greenberg, J. Heintz, C. Jockusch, A. Kucera, S. Lempp, W. Merkle, J.S. Miller, J.-E. Pin, J. Reimann, C.-P. Schnorr, R. Shore, T. Slaman, R. Solomonoff, S. Terwijn, and L. Yu. The Program Committee includes: V. Becher, R. Downey, and D. Hirschfeldt. For further information, visit `http://www.dc.uba.ar/people/logic2007`.

- **Computability in Europe 2007 (CiE 2007): Computation and Logic in the Real World.** *June 18–23, 2007, Siena, Italy.* 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 "Logic, Computability And Complexity In The Real World" (P. Adriaans) and Biological Computing (K. Benenson). Invited speakers include: A. Condon, S. Cook, Y. Ershov, W. Maas, S. Laplante, A. Nerode, M. Rathjen, D. Scott, R. Soare, and P. Welch. Special sessions also are planned on Approaches to Computable Mathematics, Complexity of Algorithms and Proofs, Computational Learning, Doing without Turing Machines: Constructivism and Formal Topology, Logic and New Paradigms of Computability, and Real Computation. The Co-chairs of the Program Committee are B. Cooper and A. Sorbi. The local organizers include: M. Affatato, G. Barmpalias, B. Cooper, T. Flaminio, G. Gherardi, T. Kent, A. Lewis, B. Löwe, F. Montagna, A. Sorbi, and L. Spada. For further information, visit `http://www.amsta.leeds.ac.uk/~pmt6sbc/cie07.html`.
- **Twenty-second Annual IEEE Symposium on Logic in Computer Science (LICS 2007).** *July 10–14, 2007, Wrocław, Poland.* LICS is an annual international forum on theoretical and practical topics in computer science that relate to logic in a broad sense. LICS 2007 will be co-located with the 2007 ASL European Summer Meeting (Logic Colloquium 2007; see above and `http://www.aslonline.org`) and with the 2007 International Colloquium on Automata, Languages and Programming (ICALP 2007; see below and also `http://www.eatcs.org/`). The Program Chair is L. Ong; the Conference Chair is J. Marcinkowski; and the LICS General Chair is M. Abadi. For more information, visit `http://users.comlab.ox.ac.uk/luke.ong/LICS07/`.

OTHER ANNOUNCEMENTS (Also see `http://www.aslonline.org`.)

- **Call for Nominations: 2007 Ackerman Award.** The European Association for Computer Science (EASCSL) invites submissions for its Outstanding Dissertation Award for Logic in Computer Science Logic (Ackerman Award). To be eligible for the 2007 Ackermann Award, the candidate must have completed a Ph.D. dissertation in topics specified by the EACSL and LICS conferences that was formally accepted as a Ph.D. thesis at a university or equivalent institution between January 1, 2005 and December 31, 2006. The deadline for subumission is January 31, 2007. Submission details are available at `http://www.dimi.uniud.it/~eacsl/award.html`.

NEW BOOKS AND JOURNALS (Also see `http://www.aslonline.org`.)

- **Topoi: The Categorial Analysis of Logic.** Author: Robert Goldblatt (reprint, Dover Books on Mathematics, 2006, ISBN 0486450260 (paperback)), `http://store.yahoo.com/doverpublications/0486450260.html`.
- **Special Kurt Gödel Issue of *Philosophia Mathematica*.** The June 2006 issue of the journal is devoted to "Kurt Gödel on Mathematics and Logic." Visit `http://philmat.oxfordjournals.org/cgi/issue_pdf/toc_pdf/14/2` for the table of contents.

CALENDAR OF OTHER MEETINGS (Also see `http://www.aslonline.org`.)

- **University of Florida Special Year in Logic.** *September 2006–June 2007, Gainesville, Florida.* Throughout the year there will be a series of special lectures and week-long meetings. The topics of the meetings, with dates in parentheses, include: Computability and complexity in analysis (November 1–5, 2006), Model theory and computable model theory (February 5–10, 2007), Singular cardinal combinatorics and inner models (March 5–11, 2007), and Set theory of the reals (May 5-11, 2007). Detailed information about each meeting appears below. In addition, the 2007 ASL Annual Meeting will be held on March 10–13, 2007 (see above and `http://www.aslonline.org`). For further information about the special year, visit `http://www.math.ufl.edu/~jal/logicyear/`.
- **Computability and Complexity in Analysis.** *November 1–5, 2006, Gainesville, Florida.* This event is part of the University of Florida Special Year in Logic (see above). Invited speakers include: D. Bridges, R. Downey, E. Griffor, K. Ko, and A. Nerode. The Chair of the Program Committee is K. Weihrauch, and the Chair of the

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Local Organizing Committee is D. Cenzer. For further information, visit `http://www.math.ufl.edu/%7Ecenzer/SpecialYear/CCA/cca2006.htm`.

- **International Conference on Formal Methods in Computer-Aided Design (FMCAD 2006).** *November 12–16, 2006, San Jose, California.* This event is the sixth in a series of conferences on the theory and applications of formal methods in hardware and system verification. In addition to the technical program, FMCAD will offer a full day of tutorials on model checking, theorem proving, decision procedures, and the application of such methods in industry. The Conference Chairs are A. Gupta and P. Manolios. For further information, visit `http://fmcad.org/2006`.
- **Thirteenth International Conference on Logic for Programming, Artificial Intelligence and Reasoning (LPAR-13).** *November 13–17, 2006, Phnom Penh, Cambodia.* The Conference Chair is M. Hermann and the Workshop Chair is C. Scharff. For further information, visit `http://www.lix.polytechnique.fr/~hermann/LPAR2006`.
- **Topics in Computability: A Meeting in Honor of Richard Shore.** *January 21–22, 2007, Cambridge, Massachusetts.* Invited speakers include: C. Jockusch, J. Knight, M. Lerman, A. Nerode, G. Sacks, S. Simpson, T. Slaman, and R. Soare. The organizers are B. Csima, N. Greenberg, D. Hirschfeldt, R. Miller, A. Montalban, and R. Solomon. For further information, visit `http://www.math.uwaterloo.ca/~csima/shore/`.
- **Model Theory and Computable Model Theory.** *February 5–10, 2007, Gainesville, Florida.* This event is part of the University of Florida Special Year in Logic (see above). Tutorials (with speakers in parentheses) will be offered on Computable model theory (J. Knight) and Model theory and connections to algebra (A. Pillay and T. Scanlon). The tutorials will be accessible to graduate students in logic, as well as to other interested mathematicians. Invited speakers include: M. Aschenbrenner, I. Ben-Ya'acov, O. Beyarslan, R. Bustamante, G. Cherlin, B. Csima, C. Ealy, D. Hirschfeldt, R. Jin, M.C. Laskowski, A. Martin-Pizarro, A. Morozov, S. Shlapentokh, and S. Starchenko. The members of the Organizing Committee are: V.S. Harizanov, D. Marker, and C. Wood. For further information, visit `http://www.math.ufl.edu/~jal/logicyear/mtcmt/`.
- **Twenty-fourth Symposium on Theoretical Aspects of Computer Science (STACS 2007).** *February 22–24, 2007, Aachen, Germany.* The invited speakers include: S. Abiteboul, M.Y. Vardi, and D. Wagner. The Co-chairs of the Program Committee are W. Thomas and P. Weil. The members of the Organizing Committee include: E. Grädel, C. Löding, P. Rossmanith, W. Thomas, and B. Vöcking. For further information, visit `http://www.cs.rwth-aachen.de/stacs07`.
- **Singular Cardinal Combinatorics and Inner Model Theory.** *March 5–11, 2007, Gainesville, Florida.* This event is part of the University of Florida Special Year in Logic (see above). A tutorial will be offered by A. Sharon. Invited speakers include: M. Magidor, S. Todorcevic, and H. Woodin. The members of the Organizing Committee are: M. Foreman, W. Mitchell, and J. Steel. For further information, visit `http://www.math.ufl.edu/~jal/logicyear/scim/`.
- **Second International Symposium on Fundamentals of Software Engineering (FSEN 2007).** *April 17–19, 2007, Tehran, Iran.* This event aims to bring together researchers, engineers, developers and practitioners from universities and industry working in every area of formal methods. The topics may cover any aspect in formal methods, especially those related to advancing the application of formal methods in the software industry and promoting their integration with practical engineering techniques. The General Co-chairs are A. Movaghar and J. Rutten. The Co-chairs of the Program Committee are F. Arbab and M. Sirjani. For further information, visit `http://cs.ipm.ac.ir/FSEN07`.
- **Set Theory of the Reals.** *May 5–11, 2007, Gainesville, Florida.* This event is part of the University of Florida Special Year in Logic (see above). Introductory tutorials (with speakers in parentheses) will be offered on Banach spaces (G. Godefroy), Borel equivalence relations (V. Kanovei), and Ergodic theory (B. Weiss). Invited speakers

Calendar of other meetings continued on reverse side

include: S. Argyros, I. Farah, D. Fremlin, M. Foreman, J. Moore, E. Odell, and D. Rudolph. The members of the Organizing Committee are: A. Kechris, S. Todorcevic, and J. Zapletal. For further information, visit `http://www.math.ufl.edu/~jal/logicyear/str/`.

- **SIGMOD/PODS 2007.** *June 11–14, 2007, Beijing, China.* This event brings together the annual A.C.M. Symposium on Principles of Database Systems (PODS) and the A.C.M. Special Interest Group on Management of Data (SIGMOD) conference. PODS provides a premier annual forum for the communication of new advances in the theoretical foundation of database systems. The SIGMOD conference is a leading international forum for database researchers, developers, and users to explore cutting-edge ideas and results, and to exchange techniques, tools, and experiences. The Chair of the PODS Program Committee is L. Libkin and the Chair of the SIGMOD Program Committee is B.C. Ooi. The deadline for submission of abstracts is November 12, 2006 for SIGMOD and November 28, 2006 for PODS. For further information, visit `http://sigmod07.riit.tsinghua.edu.cn`.
- **2007 International Colloquium on Automata, Languages and Programming (ICALP 2007).** *July 9–13, 2007, Wrocław, Poland.* This event is the main conference and annual meeting of the European Association for Theoretical Computer Science. It will be co-located with the 2007 ASL European Summer Meeting (Logic Colloquium 2007; see above and `http://www.aslonline.org`) and with the Twenty-second Annual IEEE Symposium on Logic In Computer Science (LICS 2007; see above and `http://users.comlab.ox.ac.uk/luke.ong/LICS07/`). For further information, visit `http://www.eatcs.org/`.
- **Ninteenth European Summer School in Logic, Language and Information (ESSLLI-2007).** *August 6–17, 2007, Dublin, Ireland.* The European Summer Schools in Logic, Language and Information focus 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. ESSLLI-2007 is organized under the auspices of the European Association for Logic, Language and Information (FoLLI). For more information about ESSLLI-2007, visit `http://folli.loria.fr/esslliyear.php?2007`; for further information about FoLLI, see `http://www.folli.org`.
- **Thirteenth International Congress of Logic, Methodology and Philosophy of Science.** *August 9–15, 2007, Beijing, China.* This event, held every four years, is the main international conference organized by the Division of Logic, Methodology and Philosophy of Science (DLMPS) of the International Union of History and Philosophy of Science (IUHPS). The program is divided into several sections under the general headings of Logic, General Philosophy of Science, Philosophical Issues of Particular Sciences, and Science and Society. The deadline for submission of contributed papers is March 10, 2007. For further information, visit `http://www.clmps2007.org`.

The next Newsletter will be mailed in November, 2006. Items to be included should reach the Secretary-Treasurer before October 31, 2006.

Submitted by Charles Steinhorn, Secretary-Treasurer.