

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

November 2006

- The 2006 ASL Election. Enclosed with this Newsletter is the ballot for the 2006 election for President, 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 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. To be counted, ballots must be returned to the ASL office in Poughkeepsie by December 31, 2006. All ASL members are urged to vote.
- 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.
- Special Sale of ASL Books. For a limited time, the ASL is making available the following volumes from its book series at an additional discount.

Lecture Notes in Logic (each volume \$12 for ASL members, \$16 for non-members): LNL vol. 11, Logic Colloquium '95; Proceedings of the Annual European Summer Meeting of the Association for Symbolic Logic, held in Haifa, Israel, August 9-18, 1995; LNL vol. 12, Logic Colloquium '96; Proceedings of the Colloquium held in San Sebastian, Spain, July 9-15, 1996.

Perspectives in Logic (each volume \$18 for ASL members, \$24 for non-members): Essential Stability Theory by S. Buechler; Metamathematics of First Order Arithmetic by P. Hajek and P. Pudlak.

To order these specially discounted volumes, 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.

### 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, by the Organizing Committee: LC2007, Institute of Computer Science, Wroclaw University, ul. Joliot-Curie 15, PL-50-383 Wrocław, Poland; email: lc2007@ii.uni.wroc.pl.

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). The complete program for this meeting is 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, T. Wilke, and R. Zach. 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).

A registration form and hotel/transportation information is enclosed in this Newsletter mailing. Electronic registration is available at http://www.aslonline.org/meeting\_registration.html. For further information, visit http://www.math.ufl.edu/~jal/logicyear/asl/.

- 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 conference 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 or visit http://www2.informatik.hu-berlin.de/lics/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. For further information, visit http://july2007.ii.uni.wroc.pl/.

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 2, 2007 at the official meeting address: LC2007, Institute of Computer Science, Wroclaw University, ul. Joliot-Curie 15, PL-50-383 Wrocław, Poland; email: lc2007@ii.uni.wroc.pl.

• 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, S. Laplante, W. Maas, A. Nerode, R. Penrose, 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.
- Fourteenth Workshop on Logic, Language, Information and Computation (WoLLIC'2007). July 2–5, 2007, Rio de Janeiro, Brazil. This is the fourteenth in a series of workshops intended to foster interdisciplinary research in pure and applied logic. The Chair of the Program Committee is D. Leivant. The Co-chairs of the Organizing Committee are: R. de Queiroz and P. Viana. The deadline for submission of papers is March 2, 2007. For further information, visit http://www.cin.ufpe.br/~wollic/wollic2007.
- 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://www2.informatik.hu-berlin.de/lics/lics07/.

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

- Postdoctoral Positions in Lyon. The model theory group at the Université Claude Bernard Lyon 1 expects to offer several one- and two-year postdoctoral positions over the next four years in the area of Model Theory of Metric Structures. Candidates are sought with background either in model theory or in areas of interest to the program, such as functional analysis, probability theory or operator theory. These positions require no teaching, and could start as early as January 2007. Recent and prospective Ph.D.s with interest in these areas are invited to contact I. Ben Yaacov (http://math.univ-lyon1.fr/~begnac/) for details.
- Postdoctoral Position in Waterloo. The Department of Pure Mathematics at the University of Waterloo invites applications for a Postdoctoral Fellowship in Logic to begin on July 1, 2007. Candidates in any of the following areas will be considered: Computability Theory, Model Theory, and Universal Algebra. The position is for a term of up to two years, carries a teaching load of two semester-long courses per year, and pays an annual stipend of \$42,000 (Canadian). The review of candidates will begin on January 15, 2007. Candidates should submit a curriculum vitae and research statement, and arrange to have four letters of reference, one addressing teaching, to be sent to: Postdoctoral Fellowship in Logic Search Committee, Department of Pure Mathematics, University of Waterloo, 200 University Avenue West, Waterloo, Ontario, Canada N2L 3G1. For more information, visit http://www.math.uwaterloo.ca/PM\_Dept or contact B. Csima (csima@math.uwaterloo.ca), R. Moosa (rmoosa@math.uwaterloo.ca), or R. Willard (rdwillar@math.uwaterloo.ca).

# Newsletter continued on separate sheet

- 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 upcoming meetings, with dates in parentheses, include: 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/.
- Eleventh International Conference on Database Theory (ICDT 2007). January 10–12, 2007, Barcelona, Spain. This is a biennial conference on research on the foundations of database systems. The invited talks will be given by J. Chomicki, C. Dwork, and L. Haas. The Co-chairs of the Program Committee are T. Schwentick and D. Suciu. For further information, visit http://www.lsi.upc.edu/~icdt2007/.
- 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/.
- European Joint Conferences on Theory and Practice of Software (ETAPS 2007). March 24-April 1, 2007, Braga, Portugal. ETAPS is the primary European forum for academic and industrial researchers working on topics relating to Software Science. It is a confederation of five main annual conferences, accompanied by satellite workshops and other events, many of which are of interest to logicians. For further information, visit http://www.di.uminho.pt/etaps07/.
- First International Conference on Language and Automata Theory and Applications (LATA 2007). March 29-April 4, 2007, Tarragona, Spain. Invited tutorials by V. Diekert on "Equations: From Words to Graph Products" and by E. Graedel on "Infinite Games" are planned. The invited speakers include: N. Francez/M. Kaminski, N. Immerman, and H. Juergensen. The Co-chairs of the Program Committee are Z. Esik, C. Martin-Vide, and V. Mitrana. The Chair of the Organizing Committee is C. Martin-Vide. For further information, visit http://www.grammars.grlmc.com/LATA2007/.

Calendar of other meetings continued on reverse side

- Mathematical Foundations of Programming Semantics (MFPS XXIII). April 11–14, 2007, New Orleans, Louisiana. The invited speakers include: S. Brookes, J. Hillston, J. Mitchell, G. Plotkin, and J. Power. A tutorial on domain theory is planned for the opening day of the meeting. There also will be special sessions on: physics, information and computation; security; systems biology; and a session to honor Gordon Plotkin on his sixtieth birthday. The Chair of the Program Committee is M. Fiore, and local arrangements are being overseen by M. Mislove. The deadline for submission of papers is December 22, 2006. For further information, visit http://www.math.tulane.edu/~mfps/mfps23.htm.
- 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 include: S. Argyros, I. Farah, M. Foreman, D. Fremlin, 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 combines 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. The Chair of the PODS Program Committee is L. Libkin and the Chair of the SIGMOD Program Committee is B.C. Ooi. For more 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://www2.informatik.hu-berlin.de/lics/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 January, 2007. Items to be included should reach the Secretary-Treasurer before January 15, 2007.

Submitted by Charles Steinhorn, Secretary-Treasurer.