# 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

January 2008

- 2008 Karp Prize to be Awarded to Sela. The seventh Carol Karp Prize will be awarded at the ASL Annual Meeting in March to Zlil Sela for his fundamental work connecting logic with geometric group theory. Among the consequences of his work are a proof that the class of finitely generated, torsion-free hyperbolic groups is closed under elementary equivalence, and a proof that any two nonabelian free groups are elementarily equivalent. The Karp Prize, established in 1973 in memory of Professor Carol Karp, is awarded every five years. The award is made by the Association, on recommendation of the ASL Committee on Prizes and Awards, for a "connected body of research, most of which has been completed in the time since the previous prize was awarded." The winner will receive a \$5,000 cash award. A lecture on the prize-winning work will be delivered at the award ceremony.
- The 2007 Sacks Prize Awarded jointly to A. Deloro and W. Moczydlowski. The ASL Committee on Prizes and Awards has selected Adrien Deloro of Rutgers University and Wojciech Moczydlowski of Cornell University as the recipients of the 2007 Sacks Prize. The prize consists of a cash award plus five years free membership in the ASL for each awardee.

Deloro received his Ph.D. in 2007 from the Université Paris 7, under the supervision of Eric Jaligot. The Prizes and Awards Committee citation notes that his thesis, *Groupes simples connexes minimaux de type impair*, "deals with the Cherlin-Zilber conjecture, according to which every simple group of finite Morley rank is isomorphic to an algebraic group over an algebraically closed field. In particular, the thesis removes the assumption that there are no bad fields from the classification of minimal counterexamples. Deloro operates with an impressive mastery of a wide range of techniques, which must be interwoven in a very delicate way, and contributes to them in important ways. The result is significant progress on a basic open problem."

Moczydlowski received his Ph.D. in 2007 from Cornell University under the supervision of Robert Constable. The Committee cited that his thesis, *Investigations on sets and types*, "contains ground breaking results on constructive set theory and its relation to type theory. Among other things, Moczydlowski proves weak normalization for the theory  $IZF_R$ , Intuitionistic Zermelo-Fraenkel Set Theory with Replacement rather than Collection. He also introduces  $IZF_D$ , a novel combination of type theory and set theory which has the proof-theoretic power of ZFC, and proves normalization for this theory."

- The 2007 ASL Election. The ASL membership has elected Charles Steinhorn (Vassar) as Secretary-Treasurer, Mirna Džamonja (East Anglia) and Philip Scott (Ottawa) to the Executive Committee, and Verónica Becher (Buenos Aires) and Richard Zach (Calgary) to the Council. Their terms of office are for three years beginning January 1, 2008. The Nominating Committee consisted of Greg Hjorth, Phokion Kolaitis, Steffen Lempp (Chair), Paolo Mancosu, Anand Pillay, and Albert Visser.
- New Member Benefit: *The Review of Symbolic Logic*. Beginning in 2008, individual ASL members will receive the new ASL journal, *The Review of Symbolic Logic*, as an additional benefit of membership. Publication of the *RSL* by Cambridge University Press will commence in June 2008, and members should receive the first issue shortly thereafter.

Joining *The Journal of Symbolic Logic* and *The Bulletin of Symbolic Logic* as the third official organ of the Association, the *RSL* will publish research papers in: philosophical and non-classical logics and their applications; history and philosophy of logic; and philosophy and methodology of mathematics. The first heading covers all areas of philosophical logic, plus applications of these logics in such fields as computer science, linguistics, game theory and decision theory, formal epistemology, cognitive science, and artificial intelligence. The second is

intended to include the history of philosophy of logic, an area that overlaps substantially with what is often called 'history of analytic philosophy'. The third area includes both the philosophy of mathematics and methodological studies of mathematical practice, past and present.

For more information about the *RSL*, including a complete listing of its founding Editors and Advisory Board, visit http://www.aslonline.org/journals-review.html.

- ASL Newsletter via Email in September 2008. Beginning in September 2008, the ASL Newsletter will be sent by email to all members for whom the ASL has an email address and who do not specifically request to be sent the printed version. Details on how to exercise this "opt out" privilege and to verify that the email address that the ASL has is correct were distributed with the 2008 membership renewal form. An "opt out" form is included in this Newsletter mailing also.
- 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 2008, 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 2008, 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.
- Access to Current JSL and BSL for ASL Members via Project Euclid. Access to the full-text of current issues of *The Bulletin of Symbolic Logic* and *The Journal of Symbolic Logic* is available to all ASL members electronically via Project Euclid. Individual members who wish to gain access should follow these instructions: (1) go to http://projecteuclid.org; (2) click on 'Log in' in the top right-hand corner of the screen; (3) click on "create a profile here" in the center of the login page; (4) fill in at least the required fields in the top half of the form, setting Euclid ID and Password to anything you wish, but remember these for future logins; (5) go to the bottom half of the form ("Personal Subscription Registration"); (6) select the Association for Symbolic Logic Journals and in the subscriber code box enter your individual membership ID number (you will find this number on your journal mailing label); (7) at the bottom of the form, click the 'Create Profile' button, at which point users should then see a confirmation screen and should have access to full-content of the BSL and JSL. If you need help obtaining your membership ID number, contact our membership fulfillment agent at the American Mathematical Society at asl-service@ams.org. If you have any trouble using the Personal Subscription Registration form, please contact Euclid-L@cornell.edu.
- Access to JSL and BSL back issues for ASL Members via JSTOR. Access to the full-text of *The Journal of Symbolic Logic* for the years 1936–2003 and *The Bulletin of Symbolic Logic* for the years 1995–2007 is available to all ASL members via JSTOR. To obtain your temporary username and password, or if you have misplaced your account information, contact the ASL Member Service provider at the American Mathematical Society at asl-service@ams.org. To register your account, go to http://www.jstor.org/logon and enter your temporary username and password. If you need help registering, download the Individual Access Logon handout at http://www.jstor.org/about/indiv\_support/ or contact JSTOR at jstor-info@umich.edu.
- Special Book Discount Offer for ASL Members. IOS Press, the publisher of Andrzej Mostowski and Foundational Studies (A. Ehrenfeucht, V.W. Marek, and M. Srebrny, eds.; 2008, ISBN 978-1-58603-782-6), has offered a 25% discount on the list price of this volume to ASL members who order before March 15, 2008. The discount price is \$98US/75 euros/51£. To order, send an email to order@iospress.nl and mention '25% ASL Mostowski' in the subject line. For more information, visit www.iospress.nl.

#### ASL MEETINGS

• Student Travel Awards: The 2008 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 to recent Ph.D.'s so that they may attend the 2008 ASL European Summer Meeting in Bern, Switzerland; 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 2008 ASL European Summer Meeting, applications and recommendations should be received before the deadline of March 14, 2008, by the Organizing Committee: Logic Colloquium 2008, Institute of Computer Science and Applied Math., Neubrueckstrasse 10, CH-3012 Bern, Switzerland; email: lc08@iam.unibe.ch.

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.

- 2008 ASL Spring Meeting (with APA). March 20-21, 2008, Pasadena, California. This meeting will be held jointly with the Annual Meeting of the Western Division of the American Philosophical Association, March 18-23, 2008. There will be two invited sessions. For the first, a symposium on Quantifiers in Logic and Language chaired by M. Glanzberg, the speakers (with titles in parentheses) are: C. Barker ("Reasoning about Scope-Taking in a Substructural Logic"), E. Keenan ("Non-Classical Quantification in Natural Language"), and D. Westerstahl ("Quantifiers, Freezing, Compositionality, and Possessives"). The second invited session, on Foundational and Historical Perspectives on Logic and Mathematics, chaired by G. Sher, includes the following speakers (with titles in parentheses): G. Hellman ("What Can We Expect of a Foundational Framework for Mathematics?"), J. Tappenden ("Function, Thought, and Fruitfulness in Nineteenth Century Logic and Mathematics"), and E. Zalta ("Reflections on Logical Foundations for Mathematics"). The Program Committee members are M. Glanzberg and G. Sher (Chair). The ASL program and an APA registration form are enclosed in this Newsletter mailing. For more information, visit http://www.apa.udel.edu/apa/divisions/pacific/.
- 2008 ASL Annual Meeting. March 27-30, 2008, Irvine, California. The invited speakers include: S. Buss, S. Cook, J. Ferreirós, A. Lewis, D. Marker, T. Slaman, J. Tappenden, and M. VanDieren. The nineteenth annual Gödel lecture will be given by W. Hugh Woodin, and the ASL Karp Prize and Shoenfield prizes will be awarded. There also will be a tribute to the late Paul J. Cohen delivered by A. Kanamori, and S. Shelah will give a special lecture on set-theoretic algebra in honor of Paul Eklof. Special sessions are planned in computability theory and computable mathematics, logic and early analytic philosophy, logic and logical empiricism, model theory, set-theoretic algebra, and set theory. The members of the Program Committee are: M.C. Laskowski (Chair), J. Miller, T. Pitassi, E. Reck, and M. Zeman. The members of the Local Organizing Committee include: A. Antonelli (Chair), P. Eklof, M. Foreman, P. Maddy, K. Wehmeier, and M. Zeman. A program and registration form are enclosed in this Newsletter mailing. Electronic registration is available at http://www.aslonline.org/meeting\_registration.html. For further information, visit http://kleene.ss.uci.edu/~asl2008.

• 2008 ASL European Summer Meeting (Logic Colloquium '08). July 3-8, 2008, Bern, Switzerland. The invited speakers include: M. Ajtai, A. Kanamori, R. Kossak, H. Leitgeb, A. Martin-Pizarro, J.S. Miller, J. van Oosten, T. Scanlon, S.G. Simpson, L. Soukup, T. Strahm, and M. Viale. Tutorials will be offered by A. Pillay, M. Rathjen, and S. Todorcevic. Special sessions are planned on computability and arithmetic, logic and computer science, model theory, and set theory. The Program Committee includes: A. Berarducci, J. Duparc, M. Džamonja, A. Enayat, G. Jäger, P. Kowalski, J. Krajiček, D. Marker, A. Nies, W. Tait, S. Thomas, B. Velickovic, A. Visser, and A. Wilkie (Chair). The Local Organizing Committee includes: L. Alberucci, K. Brünnler, B. Choffat, G. Jäger (Chair), J. Krähenbühl, R. McKinley, D. Probst, J. Schmid, D. Spescha, T. Strahm, and T. Studer. For more information, visit http://www.lc08.iam.unibe.ch/.

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 March 28, 2008 at the official meeting address: Logic Colloquium 2008, Institute of Computer Science and Applied Math., Neubrueckstrasse 10, CH-3012 Bern, Switzerland; email: lc08@iam.unibe.ch.

- 2008-09 ASL Winter Meeting (with APA). December 27–30, 2008, Philadelphia, Pennsylvania. This meeting will be held jointly with the Annual Meeting of the Eastern Division of the American Philosophical Association. The members of the Program Committee are W. Ewald (Chair), J. Floyd, and M. Hallett.
- 2008-09 ASL Winter Meeting (with Joint Mathematics Meetings). January 5-8, 2009, Washington, DC. This meeting will take place in conjunction with the Joint Mathematics Meetings. The members of the Program Committee are A. Enayat (Chair), S. Thomas, and R. Weber.
- 2009 ASL Annual Meeting. May 20-23, 2009, Notre Dame, Indiana. The members of the Program Committee are: R. Heck, W. Henson, J. Knight, R. Moosa, A. Urquhart (Chair), and M. Zeman. The members of the Local Organizing Committee include: T. Bays, P. Blanchette, S. Buechler, P. Cholak, M. Detlefsen (Co-chair), C. Franks, J. Knight, and S. Starchenko (Co-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. The rules were recently revised and all authors who wish to submit abstracts are urged to consult the new rules. 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

- Workshop on Dependent Theories. March 25–28, 2008, Villa de Leyva, Colombia. This is the second in a series of workshops in model theory targeted towards graduate and advanced undergraduate students. The topic for this event is dependent theories. Tutorials will be offered by L. van den Dries, A. Pillay, and A. Usvyatsov; the program also includes exercise sessions. The Organizers are A. Berenstein and A. Onshuus. For further information, visit http://pentagono.uniandes.edu.co/~aberenst/dependent.htm.
- XIV Simposio Latinoamericano de Lógica Matemática (SLALM). May 11-17, 2008, Paraty-Rio de Janeiro, Brazil. This event will be held simultaneously with the Thirtieth Anniversary of the Centre for Logic, Epistemology and the History of Science, UNICAMP (CLE 30) and the Fifteenth Brazilian Logic Conference (XV EBL). The Program Committee Chair is N.C.A. da Costa and the Co-chairs of the Organizing Committee are W. Carnielli, M. Coniglio, and I. D'Ottaviano. As in previous symposia, a Logic School will precede the symposium on May 7–9, and offer the following short courses: Lógica condicional (H. Arló Costa), Intuicionismo (X. Caicedo), Semânticas de traduções possíveis (W. Carnielli), Combinações entre lógicas (M. Coniglio), Aristotle, Boole and Tarski—three philosophies of logic (J. Corcoran), and Traduções entre lógicas (I. DÓttaviano). For further information, visit http://www.cle.unicamp.br/cle30-ebl-slalm/index.php?pag=abertura.php.

#### Newsletter continued on separate sheet

- 2008 Conference on Computability, Complexity and Randomness (CCR2008). May 19-23, 2008, Nanjing, China. The invited speakers include: C.T. Chong, N. Greenberg, B. Kjos-Hanssen, S. Lempp, A. Montalban, A. Nies, J. Reimann, S. Simpson, T. Slaman, F. Stephan, and X. Zhao. The members of the Program Committee are: V. Becher, R. Downey, D. Hirschfeldt, J. Lutz, W. Merkle, J. Miller, and L. Yu. The Local Organizers are D. Ding and L. Yu. For further information, visit http://ims.nju.edu.cn/conference/randomness/.
- Computability in Europe 2008 (CiE 2008): Logic and Theory of Algorithms. June 15-20, 2008, Athens, Greece. This meeting is being organized within the network "Computability in Europe" (CiE). The particular focus of the event is on bridging the gap from the logical methods of mathematical and meta-mathematical flavor to the applied and industrial questions that are involved in devising and choosing the right algorithms and analyzing their effectiveness and efficiency. There will be tutorials on "Applied Computability: A European Perspective" (J. Tucker) and applications of logic to computer science (M. Vardi). Invited speakers include: K. Devlin, R. Iemhoff, A. Kolokolova, J. Makowsky, D. Normann, P. Panangaden, C. Papadimitriou, J. van Leeuwen, and J. Wiedermann. Special sessions are planned on Algorithmic Game Theory, Algorithms in the History of Mathematics, Biology and Computation, Formalizing Mathematics and Extracting Algorithms from Proofs, Higher-type Recursion and Applications, and Quantum Algorithms and Complexity. The Co-chairs of the Program Committee are A. Beckmann and C. Dimitracopoulos. For further information, visit http://www.cs.swansea.ac.uk/cie08/.
- Twenty-third Annual IEEE Symposium on Logic in Computer Science (LICS 2008). June 24-27, 2008, Pittsburgh, Pennsylvania. The LICS Symposium is an annual international forum on theoretical and practical topics in computer science that relate to logic in a broad sense. LICS 2008 will be co-located with the IEEE Computer Security Foundations Symposium (CSF). The LICS Program Chair is F. Pfenning, the LICS General Chair is M. Abadi, and the LICS Conference Chair is S. Brookes. For further information about LICS, visit http://www2.informatik.hu-berlin.de/lics/lics08; for additional information about CSF, visit http://www.ieee-security.org/CSFWweb/.
- Fifteenth Workshop on Logic, Language, Information and Computation (WoLLIC'2008). July 1-4, 2008, Edinburgh, Scotland. This is the fifteenth in a series of workshops intended to foster interdisciplinary research in pure and applied logic. The Chair of the Program Committee is W. Hodges. The Co-chairs of the Organizing Committee are F. Kamareddine and R. de Queiroz. The deadline for submission of papers is March 2, 2008. For further information, visit http://www.cin.ufpe.br/~wollic/wollic2008/.
- Fourth World Congress of Paraconsistency (WCP4). July 13-18, 2008, Melbourne, Australia. The members of the Organizing Committee include: R. Brady, M. Colyvan, D. Hyde E. Mares, C. Mortensen, G. Priest, G. Restall, and K. Tanaka. For further information, visit http://www.philosophy.unimelb.edu.au/wcp4/.
- Twentieth European Summer School in Logic, Language and Information (ESSLLI-2008). August 4-15, 2008, Hamburg, Germany. 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-2008 is organized under the auspices of the European Association for Logic, Language and Information (FoLLI). For more information about ESSLLI-2008, visit http: //www.illc.uva.nl/ESSLLI2008/; for further information about FoLLI, see http://www.folli.org.
- Tenth Asian Logic Conference (ALC'08). September 1–6, 2008, Kobe, Japan. Tutorials will be offered by: P. Cholak, G. Hjorth, and B. Kim. The invited plenary speakers include: J. Avigad, J. Moore, K. Terui, and Y. Yue. The members of the Program Committee are: T. Arai (Chair), J. Brendle, C. T. Chong, R. Downey,

## Calendar of sponsored meetings continued on reverse side

Q. Feng, H. Kikyo, and H. Ono. The Local Organizing Committee includes: M. Banbara, M. Kikuchi (Chair), I. Nagasaka, and A. Suzuki. For further information, visit http://kurt.scitec.kobe-u.ac.jp/ALC10/.

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

• Call for Nominations: 2008 Ackermann Award. The European Association for Computer Science Logic (EASCSL) invites submissions for its Outstanding Dissertation Award for Logic in Computer Science (Ackermann Award). To be eligible for the 2008 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, 2006 and December 31, 2007. The deadline for submission is March 15, 2008; details are available at http://www.dimi.uniud.it/~eacsl/award.html.

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

- Tenth International Conference on Relational Methods in Computer Science (RelMiCS 10) and Fifth International Conference on Applications of Kleene Algebra (AKA 5). April 7-11, 2008, Frauenwoerth, Germany. The RelMiCS meetings have been a main forum for researchers who use the calculus of relations and similar algebraic formalisms as methodological and conceptual tools. The AKA workshop series began in 2001 and has been co-organized with RelMiCS since then. The invited speakers are M. Pauly and G. Schmidt. The conference will include a Ph.D. training program. The Local Organizers are R. Berghammer and B. Möller. For more information, visit http://www.uni-augsburg.de/rel\_aka.
- Ninth International Symposium on Functional and Logic Programming (FLOPS 2008). April 14-16, 2008, Ise, Japan. This is a forum for research on functional programming and logic programming. In particular, it is intended to stimulate the cross-fertilization as well as integration of the two paradigms. Invited speakers include: P. Dybjer, N. Kobayashi, and T. Schaub. The Program Committee Co-chairs are J. Garrigue and M. Hermenegildo. For further information, visit http://www.math.nagoya-u.ac.jp/~garrigue/FLOPS2008/.
- Eleventh International Conference on Theory and Applications of Satisfiability Testing (SAT 2008). May 12-15, 2008, Guangzhou, China. This is the primary annual meeting for researchers studying the propositional satisfiability problem (SAT). The invited speakers include K. Iwama and A. Urquhart. The Conference Co-chairs are H. Büning and Z. Xishun. For further information, visit http://www.upb.de/cs/SAT08.
- SIGMOD/PODS 2008. June 9-12, 2008, Vancouver, Canada. 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. PODS provides an annual forum for the communication of new advances in the theoretical foundation of database systems; SIGMOD is an international forum for database researchers, developers, and users. The Chair of the PODS Program Committee is M. Lenzerini and the Chair of the SIGMOD Program Committee is D. Shasha. For more information, visit http://www.sigmod08.org/.
- Thirty-fifth International Colloquium on Automata, Languages and Programming (ICALP 2008). July 7-11, 2008, Reykjavik, Iceland. This event, the annual meeting of the European Association for Theoretical Computer Science (ETACS), is focused around three tracks: Algorithms, Automata, Complexity, and Games (Program Committee Chair: L.A. Goldberg); Logic, Semantics, and Theory of Programming (Program Committee Chair: I. Walukiewicz); and a special track on Security and Cryptography Foundations (Program Committee Chair: I. Damgård). Invited speakers include: R. Canetti, B. Courcelle, J. Esparza, M. Muthukrishnan, and P. Winkler. The Conference Chairs are L. Aceto, M. Halldorsson, and A. Ingolfsdottir. For more information, visit http://www.ru.is/icalp08.

The next Newsletter will be mailed in April, 2008. Items to be included should reach the Secretary-Treasurer before March 15, 2008.

Submitted by Charles Steinhorn, Secretary-Treasurer.