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 Web: http://www.aslonline.org

ASL NEWSLETTER

September 2015

• The 2015 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, 2016. The ballot will be sent to all ASL members in mid-November. The 2015 Nominating Committee has nominated Ulrich Kohlenbach (Darmstadt) as President, Julia Knight (Notre Dame) as Vice President, Elisabeth Bouscaren (Paris-Sud) and Paolo Mancosu (Berkeley) for the Executive Committee positions, and Toshiyasu Arai (Kobe) and Justin Moore (Cornell) for the Council positions. The Nominating Committee consisted of Matthias Baaz, Xavier Caicedo, Martin Grohe, Byunghan Kim, Donald A. Martin, Richard Shore, Alex Wilkie (Chair), and Richard Zach.

Additional nominations may be made by petition signed by 20 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, 2015. In a contested election, each candidate has the opportunity to make a 100-word statement to be distributed with the ballot.

• 2015 Sacks Prize. The ASL invites nominations for the 2015 Sacks Prize for the most outstanding doctoral dissertation in mathematical logic. Nominations must be received by September 30, 2015. 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.

Anyone who wishes to make a nomination for the 2015 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, 2014, and September 30, 2015, 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 of the thesis defense, letter of recommendation from the adviser, an electronic copy of the thesis in .pdf form, or the address of a web site from which an electronic copy in .pdf form can be downloaded, and an independent second letter of recommendation. Nominations should be sent to the Committee Chair, Simon Thomas; .pdf files sent as attachments by email to sthomas@math.rutgers.edu are preferred. The form of such letters and other pertinent details can be found at the web site above, and need to be read prior to submitting a nomination. Correspondence should be addressed to Simon Thomas, Department of Mathematics, Rutgers University, Hill Center - Busch Campus, 110 Frelinghuysen Road, Piscataway, NJ 08854-8019, USA.

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

• Call for Proposals: 2018 North American Annual Meeting. The ASL Committee on Logic in North America requests proposals for the 2018 ASL North American Annual meeting, to be held sometime in the first five months of 2018. The committee seeks a university somewhere in North America and a local committee to

host the meeting and handle the local arrangements. The ASL meetings ordinarily cycle geographically in the pattern: midwest (Urbana 2015), east (Connecticut 2016), west (2017 still being finalized). Thus, for 2018 the committee seeks a location in the midwest. Any reasonable proposal, however, will be considered. For more information, interested parties should contact the Committee Chair, Reed Solomon (email: david.solomon@uconn.edu) no later than November 2, 2015.

- Call for Proposals: 2017 AMS-ASL Joint Special Session. The ASL Committee on Logic in North America requests proposals for an AMS-ASL Joint Special Session to be held at the Joint Mathematics Meetings in Atlanta, January 4–7, 2017. Proposals or requests for further information should be sent to the Committee Chair, Reed Solomon (email: david.solomon@uconn.edu). The deadline for receipt of proposals is January 4, 2016.
- Discounted Dues for New ASL Individual Members. The ASL now offers a 50% discount on dues for new individual members during each of the first two years of membership. For more information, visit http://www.aslonline.org/membership-individual.html.
- Free Individual ASL Membership Program for Individuals in Developing Economies. The ASL invites applications for an initial two-year free membership in the Association for new and lapsed members from countries classified as developing economies. The list, found at http://www.aslonline.org/worldbankeconomies.html includes Brazil, Bulgaria, China, Colombia, India, Iran, South Africa, and many other countries classified as 'upper middle income' or below on the World Bank's annual list for four of the last five years. To apply, please send an email to the ASL Committee on Membership at asl-membership@googlegroups.com. Include your name, full mailing address, and your academic affiliation. For information about the ASL and membership benefits, visit http://www.aslonline.org/membership-individual.html. After the initial two-year period new members under this program will pay the reduced membership dues, currently at US\$18, (see below) as long as their country of residence is on the ASL's list of developing economies.
- Reduced Dues for Individuals and Institutions in Developing Economies. The ASL offers reduced dues for individuals and institutions in developing economies. For 2016, the reduced dues are US\$18 for individuals and US\$130 for institutional basic membership, US\$180 for full membership. These dues apply to individuals and institutions in countries whose economies are classified as 'upper middle income' or below on the World Bank's annual list for four of the last five years. For more 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.
- Emeritus ASL Individual Membership. The ASL offers retired individual members two membership options. Emeritus membership includes all the privileges of regular individual membership and is available to retired individuals who have been members of the ASL for 15 years. The dues for Emeritus membership for 2016 are US\$47. The privileges attached to Retired membership include the ASL Newsletter and the right to vote in ASL elections, but do not include subscriptions to the ASL journals. Retired membership is offered to retired individuals who have been members of the Association for 20 years and is free. For more information about both options, visit http://www.aslonline.org/membership-individual.html.
- New ASL Books. To see new books in the ASL's *Lecture Notes in Logic* and *Perspectives in Logic* series, visit http://www.aslonline.org/books-lnl-available.html for LNL volumes and http://www.aslonline.org/books-perspectives_cup_springer.html for Perspectives volumes.
- Book and Journal Discounts for ASL Members. Several publishers now offer discounts on books and journals to ASL members. For a detailed description of these discounts, visit http://www.aslonline.org/members-discounts.html, or write to the ASL Business Office.

ASL MEETINGS

• Student Travel Awards: The 2016 ASL North American Annual Meeting, 2016 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 2016 ASL North American Annual Meeting in Storrs, Connecticut or the 2016 ASL European Summer Meeting in Leeds, England; see below for information about these meetings. Student members of the ASL also may apply for travel grants to other ASL or ASL-sponsored meetings. 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 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 is supported by a grant from the US National Science Foundation: NSF funds for meetings outside of North America 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 in accordance with the Fly America Act. Application by email is encouraged; put "ASL travel application" in the subject line of your message.

For the 2016 ASL North American Annual Meeting, applications and recommendations should be received before the deadline of March 11, 2016, by the Program Chair: Patricia Blanchette, Department of Philosophy, 100 Malloy Hall, University of Notre Dame, Notre Dame, IN 46556 USA; Fax: 574-631-0588; email: Patricia. Blanchette.1@nd.edu. Applications by email are preferred.

For the 2016 ASL European Summer Meeting, applications and recommendations should be received before the deadline of May 2, 2016, by the Organizing Committee: Logic Colloquium 2016, School of Mathematics, University of Leeds, Leeds LS2 9JT, United Kingdom; email: lc2016@leeds.ac.uk. For applications by email, please put "ASL travel application" in the subject line of your message. Applications by email are preferred.

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 start of 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.

- 2015-16 ASL Winter Meeting (with Joint Mathematics Meetings). January 8–9, 2016, Seattle, Washington. This meeting will take place in conjunction with the Joint Mathematics Meetings. The invited speakers include: D. Bartosova, N. Dobrinen, L. van den Dries, J. Freitag, C. Jockusch, B. Khoussainov, and J. Zapletal. The members of the Program Committee are C. Conley, C. Ealy, and J. Hirst (Chair). The Joint Mathematics Meetings program includes two joint AMS-ASL special sessions: Applications of Logic, Model Theory, and Theoretical Computer Science to Systems Biology, organized by J. Lynch and L. Marcus; Surreal Numbers, organized by P. Ehrlich and O. Costin. A registration form and hotel information is attached with this Newsletter mailing.
- 2016 ASL Winter Meeting (with APA). March 2–5, 2016, Chicago, Illinois. This meeting will be held jointly with the Annual Meeting of the Central Division of the American Philosophical Association. The speakers for the two invited sessions on Paradoxes, Properties, and Logicism are: G. Leach-Krouse, S. Logan, J. Payne, L. Picollo, J. Studd, and S. Walsh. The members of the Program Committee are R. Cook (Chair) and Ø. Linnebo, and M. Rossberg. 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 October 30, 2015, 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.
- 2016 ASL North American Annual Meeting. May 23–26, 2016, Storrs, Connecticut. The invited speakers include: Z. Chatzidakis, M. Kaufmann, K. Lange, I. Neeman, M. Rathjen, and S. Shapiro. Alasdair Urquhart will give an ASL retiring presidential address. Tutorials will be offered by D. Hirschfeldt and M. Malliaris. The

members of the Program Committee include: P. Blanchette (Chair), D. Dzhafarov, R. Lubarsky, A. Montalban, J. Moore, and C. Wood. The members of the Local Organizing Committee are: Jc. Beall, D. Dzhafarov, D. Ripley, M. Rossberg, and R. Solomon (Chair).

Abstracts for 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 26, 2016, 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.

 2016 ASL European Summer Meeting (Logic Colloquium '16). July 31-August 6, 2015, Leeds, England. The Program Committee members are: M. Bodirsky, S. Buss, N. Gambino, R. Iemhoff (Chair), H. Leitgeb, S. Lempp, M. Malliaris, R. Schindler, and Y. Venema. The Local Organizing Committee includes: O. Beyersdorff, S.B. Cooper, N. Gambino (Chair), I. Halupczok, H.D. Macpherson, V. Mantova, M. Rathjen, J.K. Truss, and S.S. Wainer. For further information, visit http://www.lc2016.leeds.ac.uk.

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 can be submitted at http://www.lc2016. leeds.ac.uk/submission.html; the deadline for submission is April 29, 2016.

• 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 who submitted them. Revised abstracts that follow the rules will be considered if they are received by the announced deadline.

ASL SPONSORED MEETINGS

- Model Theory and Groups, Istanbul 5. October 8-10, 2015, Istanbul, Turkey. The invited speakers include: A. Deloro, A. İlhan, G. Levitt, A. Minasyan, B. Poizat, Ç. Uyanik, and Ş. Yalçinkaya. Tutorials will be offered by M. Kuzucuoğlu and D. Macpherson. The members of the Organizing Committee are: T. Altinel, A. Berkman, and Ö. Beyarslan. For further information, visit http://math.univ-lyon1.fr/~altinel/modelsgroups.html.
- Eleventh International Conference on Computability, Complexity and Randomness (CCR 2016). January 4-8, 2016, Honolulu, Hawaii. Topics for this event include: algorithmic randomness, computability theory, computational complexity, Kolmogorov complexity, and reverse mathematics and logic. The invited speakers include: U. Andrews, A.R. Cohen, R. Kuyper, S. Nandakumar, R. Peretz, C. Rojas, D. Turetsky, and L. Westrick. A tutorial on computable economics will be offered by K. Velupillai. A more informal workshop on algorithmic randomness will be held the subsequent week, January 11-15, 2016. The Program Committee includes: L. Bienvenu, R. Downey (Co-Chair), J. Franklin, D. Hirschfeldt (Co-Chair), B. Kjos-Hanssen, J. Lutz, E. Mayordomo, J. Miller, K. Miyabe, A. Romashchenko, H. Towsner, and N. Vereshchagin. The members of the Local Organizing Committee are: B. Kjos-Hanssen (Chair), M. Khan, D. Ross, D. Pavlovic, and P.K.L. V. Nguyen. For further information, visit http://math.hawaii.edu/wordpress/ccr-2016/.
- Thirty-first Annual ACM/IEEE Symposium on Logic in Computer Science (LICS 2016). July 5-8, 2016, New York, New York. The LICS Symposium is an annual forum on theoretical and practical topics in computer science that relate to logic. This event marks the thirtieth anniversary of LICS. The Program Committee Chair is N. Shankar, the Conference Chair is E. Koskinen, and the General Chair is L. Ong. The deadline for submission of titles and short abstracts is January 11, 2016; for full papers it is January 18, 2016. The Kleene Award for the best student paper, as judged by the Program Committee, will be presented at the symposium. For more information, see http://lics.rwth-aachen.de/lics16/.

Newsletter continued on separate sheet

- IPN Conference on Set Theory and Model Theory. October 12-16, 2015, Tehran, Iran. The invited speakers include: J. Baldwin, J. Cummings, M. Golshani, D. Macpherson, S. Mohsenipour, R. Schindler, S. Solecki, and S. Todorcevic. The organizers are A. Enayat and M. Pourmahdian. For further information, visit http://math.ipm.ac.ir/conferences/2015/set_model_conf.
- Twentieth International Conference on Logic for Programming, Artificial Intelligence and Reasoning (LPAR-20). November 24–28, 2015, Suva, Fiji. This conference series provides a forum where researchers in the areas of logic, automated reasoning, computational logic, programming languages and their applications come together to discuss advances in these fields. The conference will be preceded by workshops on November 23rd. For further information, visit http://www.LPAR-20.org.
- New Challenges in Reverse Mathematics. January 3-16, 2016, Singapore. The members of the Organizing Committee for this workshop include: D. Hirschfeldt, R. Shore, S. Simpson, T.A. Slaman, F. Stephan, and Y. Yang. For further information, visit http://www2.ims.nus.edu.sg/Programs/016reverse/index.php.
- Fourteenth International Symposium on Artificial Intelligence and Mathematics (ISAIM 2016). January 4-6, 2016, Fort Lauderdale, Florida. This event is a biennial meeting that fosters interactions between mathematics, theoretical computer science, and artificial intelligence. The keynote speakers are Y. Chen, R. Dechter, and A. Procaccia. The General Chair is M. Charles Golumbic, the Conference Chair is F. Hoffman, and the Program Co-Chairs are F. Rossi and K. Brent Venable. The deadline for submission of papers is October 25, 2015. For further information, visit http://isaim2016.cs.virginia.edu.
- New Pathways Between Group Theory and Model Theory. February 1-4, 2016, Mülheim an der Ruhr, Germany. This event is the successor meeting of the 2011 "Groups and Model Theory" conference (http://www.enigma-software.de/algebra/agmt/welcome/) held in the same location. The invited speakers include: I. Dolinka, L. Fuchs, S. Kuhlmann, D. Macpherson, L. Salce, J. Trlifaj, J. Truss, and M. Ziegler. The invited young speakers are: G. Braun, A. Chernikov, K. Dupont, A. Fornasiero, K. Gong, I. Kaplan, F. Karimi, and E. Solak. The organizers are M. Droste, B. Goldsmith, and L. Strüngmann. For further information, visit http://www.enigma-software.de/algebra/agmt2.
- Tenth International Conference on Language and Automata Theory and Applications (LATA 2016). March 14–18, 2016, Prague, Czech Republic. The invited speakers include: A. Blum, M. Grohe, G. Pighizzini, J.-F. Raskin, and F. Wolter. The Chair of the Program Committee is C. Martín-Vide, and the Co-Chairs of the Organizing Committee are J. Janoušek and C. Martín-Vide. The deadline for submission of papers is October 19, 2015. For further information, visit http://grammars.grlmc.com/lata2016/.
- Special Semester on Computational Complexity and Proof Complexity. April-June 2016, St. Petersburg, Russia. This program will be hosted by the Chebyshev Laboratory at St. Petersburg State University, organized jointly with the Skolkovo Institute of Science and Technology. It will include visiting researchers, visiting Ph.D. students, and two or three workshops. Visiting researchers and students will be able to attend any time during the three month period. A workshop on *Proof Complexity* will be held on May 17-20, 2016, organized by S. Buss and P. Pudlák; the keynote speaker is J. Krajíček. A workshop on *Low-Depth Complexity* will be held May 23-25, 2016, organized by B. Rossman and R. Santhanam; the keynote speaker is R. Williams. There are funding opportunities for graduate students for either short visits or extended stays throughout the semester. There also are funding opportunities for visiting researchers and postdoctoral researchers. The Special Semester is organized jointly by S. Buss (sbuss@ucsd.edu) and E.A. Hirsch (hirsch@pdmi.ras.ru). To inquire about participation or apply for funding, please complete the form on the webpage at http://en.chebyshev. spb.ru/complexity2016 or contact the organizers directly.
- European Joint Conferences on Theory and Practice of Software (ETAPS 2016). April 2-8, 2016, Eindhoven, The Netherlands. This event is the primary European forum for academic and industrial researchers

Calendar of other meetings continued on reverse side

CALENDAR OF OTHER MEETINGS (continued)

working on topics relating to software science. The invited speakers include: A.D. Gordon, R. Majumdar, C. Lopes, O. Nierstrasz, and V. Shmatikov. The General Chair is J.F. Groote and the Tutorials and Workshops Chair is E. de Vink. The deadline for submission of abstracts is October 9, 2015. For further information, visit http://www.etaps.org.

- Thematic Program on Model Theory. June 6-24, 2016, Notre Dame, Indiana. This program consists of three components: an Undergraduate Summer School (June 6-10th), Graduate and Postdoc Mini-Courses (June 13-17th), and an International Conference on Model Theory (June 20-24th). The Undergraduate Summer School will include two courses (with lecturers in parentheses): Introduction to Model Theory I (A. Tserunyan) and Introduction to Model Theory II (G. Conant). The Graduate and Postdoc Mini-Courses are (with lecturers in parentheses): Continuous Model Theory (B. Hart); Descriptive Set Theory and Model Theory (C. Rosendal); Stability, Combinatorics, and NIP (P. Simon); and Topological Dynamics and Model Theory (K. Krupiński). The confirmed speakers for the International Conference on Model Theory include: I. Ben-Yaacov, A. Berarducci, A. Berenstein, A. Chernikov, A. Conversano, L. van den Dries, I. Farah, I. Kaplan, A. Kolesnikov, C. Laskowski, A. Macintyre, M. Malliaris, R. Moosa, L. Newelski, J. Solymosi, C. Steinhorn, F. Wagner, and B. Zilber. This program is supported by the Center for Mathematics at Notre Dame and the U.S. National Science Foundation. The organizers are I. Goldbring, A. Pillay, and S. Starchenko. For further information, visit https://www3.nd. edu/~cmnd/programs/cmnd2016/.
- Thirty-fifth ACM SIGMOD-SIGACT-SIGAI Symposium on Principles of Database Systems (PODS 2016). June 26–July 1, 2016, San Francisco, California. The PODS symposium series, held in conjunction with the SIGMOD conference series, provides an annual forum for the communication of new advances in the theoretical foundations of data management. The keynote speaker is M. Vardi. Tutorials will be offered by S. Cohen and F. Neven. The SIGMOD General Chairs are G. Koutrika and F. Ozcan, and the PODS General Chair is T. Milo. The SIGMOD Program Chair is S. Madden and the PODS Program Chair is W.-C. Tan. For further information, visit http://www.sigmod2016.org.
- North American Summer School in Logic, Language, and Information (NASSLLI 2016). July 9-16, 2016, New Brunswick, New Jersey. This event, loosely modeled on the long-running ESSLLI series in Europe (see http://www.esslli2014.de/), is a summer school that meets approximately every other summer. It is geared towards graduate students and advanced undergraduate students in fields such as Cognitive Science, Computer Science, Linguistics, and Philosophy. The featured course instructors (with the title of their courses in parentheses) are: J. van Benthem (Logic, agency, and games), M. Bittner (Dynamic semantics), R. Muskens (Multi-modal logic), U. Sattler (An introduction to description logics techniques, properties, and applications), and B. Skyrms (Evolution and learning dynamics in signaling games). The Program Committee Chairs are T. Icard and C. Potts and the Chair of the Organizing Committee is E. Lepore. The Steering Committee includes: D. Beaver, P. Kolaitis, L. Moss, V. de Paiva, S. Shieber, and M. Vardi. For more information, visit http://ruccs.rutgers.edu/nassl1i2016/index.html.
- Twenty-eighth European Summer School in Logic, Language and Information (ESSLLI-2016). August 15–26, 2016, Bolzano, Italy. The European Summer School in Logic, Language and Information brings together logicians, linguists, computer scientists, and philosophers to study language, logic and information, and their interconnections. 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. The Chair of the Program Committee is C. Gardent. ESSLLI-2016 is organized under the auspices of the European Association for Logic, Language and Information (FoLLI). For more information about ESSLLI-2016, visit http://esslli2016.unibz.it; for further information about FoLLI, visit http://www.folli.info.

The next Newsletter will be sent in November 2015. Items to be included should reach the Secretary-Treasurer before November 1, 2015.

Submitted by Charles Steinhorn, Secretary-Treasurer.