



ASSOCIATION FOR SYMBOLIC LOGIC

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ASL NEWSLETTER

September 2022

- **Call for Nominations: Karp Prize.** The Karp Prize, established in 1973 in memory of Professor Carol Karp, is awarded every five years for a “connected body of research, most of which has been completed in the time since the previous prize was awarded.” The ASL invites nominations for the 2023 Karp Prize. Nominations should be submitted to Justin Moore (justin@math.cornell.edu), Chair of the ASL Committee on Prizes and Awards. The deadline for nominations is December 31, 2022.
- **2022 Sacks Prize.** The ASL invites nominations for the 2022 Sacks Prize for the most outstanding doctoral dissertation in mathematical logic. Nominations must be received by September 30, 2022. The Sacks Prize was established to honor the late 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://aslonline.org/other-information/prizes-and-awards/>. Anyone who wishes to make a nomination for the 2022 Sacks Prize should consult the webpage <http://aslonline.org/other-information/prizes-and-awards/sacks-prize-recipient/sacks-prize-nominations/> for the precise details of the application process. A brief summary of the procedure is provided here.

Students who defend their dissertations (equivalent to the American doctoral dissertation) between October 1, 2021, and September 30, 2022, 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 advisor, 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 advisor, an electronic copy of the thesis in pdf form, or the address of a website from which an electronic copy in pdf form can be downloaded, and an independent second letter of recommendation. Nominations and questions about the Prize should be sent to the Committee Chair, Justin Moore; pdf files sent as attachments by email to justin@math.cornell.edu are preferred. The form of such letters and other pertinent details can be found at the website above, and need to be read prior to submitting a nomination.

Those wishing to contribute to the Sacks Prize Fund may send contributions to the ASL Business Office (see address at the top of this Newsletter). All such contributions are tax-deductible within the USA.

- **2022 Shoenfield Prizes.** The ASL invites nominations for the Shoenfield Prizes for outstanding expository writing in the field of logic. There are two Shoenfield prizes, one for books and one for expository articles, each to be awarded simultaneously every three years; the Shoenfield Prizes were first awarded in 2007. Any book first published in the past 9 years and any article published in the past 6 years may be considered for their respective awards. Nominations should be submitted to Justin Moore (justin@math.cornell.edu), Chair of the ASL Committee on Prizes and Awards. The deadline for nominations for the 2022 Prizes is November 1, 2022.

The Shoenfield prizes were 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 ASL administers the fund on which the Prize is based and makes the award upon the recommendation of its Committee on Prizes and Awards. For general information about the Prize, see <http://aslonline.org/asl-information/prizes-and-awards/>.

- **Shaw Prize Awarded.** The 2022 Shaw Prize in Mathematical Sciences has been awarded to Noga Alon, Professor of Mathematics at the University of Princeton, and Ehud Hrushovski, Merton Professor of Mathematical Logic at the University of Oxford, for their remarkable contributions to discrete math and model theory with interaction notably with algebraic geometry, topology and computer sciences.

This prize is awarded annually by The Shaw Prize Foundation, based in Hong Kong. It honors individuals who have made outstanding contributions in academic and scientific research or applications. The full citation can be found at <https://www.shawprize.org/prizes-and-laureates/mathematical-sciences/2022/press-releases> [sic].

- **The 2022 ASL Election.** At the end of this year the ASL will elect the Secretary and Treasurer of the ASL, two at-large members of the Executive Committee, and two at-large members of the Council. All terms are for three years beginning January 1, 2023. The Nominating Committee consists of John Baldwin (University of Illinois Chicago), Michael Benedikt (University of Oxford), Vera Fischer (University of Vienna), Julia Knight (Notre Dame University), Fenrong Liu (Tsinghua University), Elaine Pimentel (University College London), and Jouko Vaananen (University of Helsinki).

Nominations for these positions, in addition to those to be made by the Committee, may be made by petition signed by 20 or more ASL members; such petitions should be received no later than November 1, 2022 by the chair Julia Knight (email knight.1@nd.edu) or at the ASL Business Office (email asl@uconn.edu or ASL, Dept. of Mathematics, Univ. of Connecticut, 341 Mansfield Road, U-1009, Storrs, CT 06269-1009, USA).

In a contested election, each candidate has the opportunity to make a 100-word statement to be distributed with the ballot.

- **Open-Access Options for ASL Journals.** Authors of research articles in logic, who may wish to consider submitting those articles to the *Bulletin of Symbolic Logic*, the *Journal of Symbolic Logic*, or the *Review of Symbolic Logic*, should be aware that these journals now offer the option of open-access publication. All three journals are now hybrid. They still accept article submissions exactly as before, and they will still publish accepted articles just as before if the author does not opt for open access. However, for authors with mandates to publish open-access articles (or who simply prefer to do so), this option is also available. Details appear at <https://www.cambridge.org/core/services/open-access-policies>.
- **Attachment: Links to Articles.** For some months during the current pandemic, Cambridge University Press was unable to maintain its usual schedule of printing and mailing ASL journals to our members. The mailing of journals has resumed and is essentially caught up. All journals remain available online to members as always, and a file available shortly at <http://aslonline.org/wp-content/uploads/2022/09/Sep2022articlelinks.pdf>) will provide titles of many articles currently in press and active links for downloading them from our journal websites.
- **ASL Sponsorship of Meetings.** The ASL often sponsors research meetings and conferences in logic, all over the world. Sponsorship is granted to those meetings that uphold high standards of scholarship and rigor and whose purpose is in concert with the mission of the ASL. Student members of the ASL may apply to the ASL for travel support to attend sponsored meetings, as described below, and a report on each sponsored meeting subsequently appears in the *Bulletin of Symbolic Logic*. Meeting organizers who are ASL members and wish to request ASL sponsorship of their meetings should do so at least six months before the beginning of the meeting, following the instructions at <http://aslonline.org/sponsorship-of-meetings/>.

STUDENT TRAVEL AWARDS

- **Student Travel Awards: ASL and ASL-Sponsored Meetings.** Student members of the ASL may apply for travel grants to ASL and ASL-sponsored meetings. These meetings are identified in the listings below. 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; and (6) (voluntary) indication of your gender and minority status. Women and members of minority groups are strongly encouraged to apply. Application by email is encouraged; put “ASL travel application” in the subject line of your message.

Special instructions for the 2023 Logic Colloquium and the 2023 North American Annual Meeting will appear in upcoming Newsletters. For all other ASL or ASL-sponsored meetings, applications (from student members of the ASL) and recommendations must be received at least three months prior to the start of the meeting. For all of these meetings, applications should be submitted via email to asl@uconn.edu or to the ASL Business Office (ASL, Dept. of Mathematics, Univ. of Connecticut, 341 Mansfield Road, U-1009, Storrs, CT 06269-1009, USA). Decisions will be communicated at least two months prior to the meeting.

ASL-sponsored meetings are listed on p. 4 below, separately from “Other Meetings.” Official ASL meetings include the Logic Colloquium, the North American Annual Meeting, the Asian Logic Conference, the Simposio Latino Americano de Lógica Matemática, the ASL Winter Meeting, and the ASL-APA annual joint meeting.

INFORMATION ON MEETINGS

- **Status of scheduled meetings.** Under the circumstances of the coronavirus pandemic, many logic meetings have been canceled or moved online. Others have been canceled as a result of the Russian invasion of Ukraine, and it remains possible that more meetings scheduled for 2022 may be canceled or postponed. Information appearing here is current as of the publication of this Newsletter, but ASL members should use the URL given in each item to confirm the status of any meeting they may consider attending. We urge all logicians to use caution and common sense in planning their schedules.
- **Online logic seminars.** Certain regular online logic seminars have sprung up to replace canceled meetings and seminars. A list of existing seminar series with talks available online appears at miguelmath.com/webminars.html. Additionally, the site lagrange.math.siu.edu/calvert/OnlineLogicSeminar.html has been created to host a new, purely online logic seminar. The site ctaseminar.computability.org hosts an online seminar entitled *Computability Theory and Applications*. The Logic Supergroup at logic.uconn.edu/supergroup/ runs an online seminar on logic across linguistics, mathematics, and philosophy. The website nylogic.github.io/ lists ongoing seminars in logic and set theory organized by the CUNY Graduate Center.
- **Call for Proposals: 2024 North American Annual Meeting.** The ASL Committee on Logic in North America requests proposals for the 2024 ASL North American Annual meeting to be held some time during the first five months of 2024. 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 between midwest (South Bend, IN 2021), east (Ithaca, NY 2022), and west (Irvine, CA 2023). Thus, for 2024, the committee seeks a location in the midwest. However, any reasonable proposal will be considered. For more information, interested parties should contact the Committee Chair, Tom Scanlon (email: scanlon@math.berkeley.edu), no later than September 30, 2022.

ASL MEETINGS

- **ASL Winter Meeting January 6–7, 2023, Boston, MA.** As usual, the ASL Winter Meeting will be held as part of the Joint Mathematics Meetings (JMM), which is scheduled as an in-person meeting on January 4–7, 2023 at the Hynes Convention Center in Boston, MA. For the Winter Meeting, the confirmed invited speakers include J. Avigad, P. Cholak, F. Jahnke, S. Müller, L. Scow, A. Shani, and E. Walsberg. The first annual ASL tutorial at the JMM will be given on January 4 by S. Anscombe (Paris Cité). The Program Committee for the ASL-JMM meeting consists of D. Bartošová, K. Eisenträger, J. Freitag (chair) and P. Hieronymi.

The JMM is now organized primarily by the American Mathematical Society. The AMS has enlisted a number of partner organizations, including the ASL, to provide mathematical content and social events at the

JMM. In addition to the ASL's own Winter Meeting on January 6–7, the JMM on January 4–5 will include the ASL Special Session *Model-theoretic and “Higher Infinite” Methods in Descriptive Set Theory and Related Areas*, organized by A. Kechris, R. Patel, A. Poveda, and A. Shani; the ASL Special Session *Tame Geometry and Applications to Analysis*, organized by A. Gorman, E. Kaplan, and D. Miller; and the AMS Special Session *Definability, Computability, and Model Theory: A Special Session dedicated to Gerald E. Sacks*, organized by N. Ackerman, T. Slaman, and C. Freer, as well as the tutorial described above.

Student travel applications for this conference are due on October 6, 2022 (see p. 2 above) and should be sent to Shannon Miller at asl@uconn.edu. For more information, see <https://www.jointmathematicsmeetings.org/jmm>. Abstracts for contributed talks in the ASL Winter Meeting should be submitted directly to the AMS, using the instructions at https://www.jointmathematicsmeetings.org/meetings/national/jmm2023/2270_abs-submit. The deadline for abstracts is September 13, 2022.

- **ASL North American Annual Meeting** *March 25–29, 2023, University of California at Irvine*. The Program Committee for this meeting consists of .M. Foreman, M. Heule, T. Kouri Kissel, T. McNicholl, and R. Moosa (chair). The members of the Organizing Committee are M. Foreman, I. Goldbring (chair), T. Meadows, K. Wehmeier, and M. Zeman. Further details will be available in subsequent Notices.
- **2023 ASL Winter Meeting (with APA)** *April 5–8, 2023, San Francisco, CA*. The 2023 ASL-APA meeting will be held in conjunction with the Western Division of the American Philosophical Association, at the Westin-St. Francis Hotel in San Francisco. The Program Committee consists of J. Avigad, P. Mancosu (chair), and R. Zach. Please see <https://www.apaonline.org/events/EventDetails.aspx?id=1256302&group=> for information. The deadline for student travel award applications (see p. 2 above) is January 5, 2023.
- **ASL European Summer Meeting (Logic Colloquium)** *June 5–9, 2023, Università di Milano, Italy*. The Università di Milano will host the 2023 Logic Colloquium, in the center city of Milano, Italy. Notice the dates, earlier in the summer than usual! The Organizing Committee includes S. Aguzzoli, M. D’Agostino, C. Fiorentini, M. Franchella, S. Ghilardi, H. Hosni, L. Luperi Baglini, V. Marra, A. Momigliano, and G. Primiero (chair).

ASL SPONSORED MEETINGS

- **28th Workshop on Logic, Language, Information and Computation 2022** *September 20–23, 2022, Iași, Romania*. WoLLIC is an annual international forum on inter-disciplinary research involving formal logic, computing and programming theory, and natural language and reasoning. WoLLIC 2022 will be held in-person at the Alexandru Ioan Cuza University in Iași. The website for the conference is <https://wollic2022.github.io/>.
- **Models and Computability: The Mathematics of Julia Knight** *September 30–October 2, 2022, South Bend, Indiana*. This meeting will be held at Notre Dame University, in honor of the work of Prof. Julia Knight. The invited speakers include V. Harizanov, M. Harrison-Trainor, T. Ho, K. Lange, A. Montalbán, and T. Slaman. The organizers are P. Cholak, A. Pillay, and S. Starchenko. Further information is available at <https://sites.nd.edu/models-computability2022/>.
- **Fourth international Autumn School and Fourth international Workshop on Proof Theory** *November 7–12, 2022, Utrecht University, Netherlands*. The Autumn School will take place on November 7–10, followed by the Workshop on November 11–12, both organized under the auspices of The Proof Society. The former, aimed at graduate students, postdocs, and advanced researchers, will consist of courses offered by U. Berger, B. Dicher, M. Girlando, R. Jalali, and M. Rathjen. Its website is <https://www.proofsociety.org/autumn-school-2022/>. The latter will include talks by B. van den Berg, M. Bilkova, S. Engqvist, S. Hetzl, H. Ishihara, and G. Jäger. Its website is <https://www.proofsociety.org/workshop-2022/>.
- **Finite Model Theory and Many-Valued Logic: Challenges and Interactions** *November 10–11, 2022, University of Queensland, Australia (online)*. This online meeting will examine interaction between many-valued logics and the model theory of finite structures. The organizers are G. Badia, Ll. Godo, and C. Noguera. For further information, including a substantial list of speakers, please see <https://sites.google.com/view/workshop-fmtmvlci/home>.

- **Model Theory Conference in Celebration of Ludomir Newelski's 60th Birthday** *December 17–21, 2022, Będlewo, Poland.* This meeting will take place at the Będlewo Conference Center of the Mathematical Institute of the Polish Academy of Sciences. Confirmed speakers include M. Bays, A. Berenstein, E. Bouscaren, A. Chernikov, J. Gismatullin, E. Hrushovski A. Ivanov, F. Jahnke, T. Kaiser, D. Macpherson, R. Moosa, L. Newelski, A. Pillay, N. Ramsey, T. Rzepecki, K. Tent, T. Tsankov, and F. Wagner.
The Program Committee consists of L. Pacholski (Honorary Chairman), Z. Chatzidakis, P. Kowalski, K. Krupiński, S. Starchenko, and B. Zilber. The Organizing Committee consists of J. Dobrowolski, J. Gismatullin, J. Gogolok, D. Hoffmann, G. Jagiella, P. Kowalski, K. Krupiński, T. Rzepecki, and R. Wencel. Information regarding registration is available at <http://www.math.uni.wroc.pl/~pkowa/registration20.html>.
- **São Paulo School of Advanced Science on Contemporary Logic, Rationality, and Information** *February 6–17, 2023, Campinas, Brasil.* This conference, known as SPLogIC, is now rescheduled after being postponed in 2020. Funded by the São Paulo Research Foundation (Fapesp), it aims to provide an overview of the state-of-the-art methodology and research on contemporary logic, especially non-classical logics, rationality, and information. The conference will comprise eight courses and nine plenary talks presented in English by experts in each topic, as well as oral presentations and a poster session. See <https://www.cle.unicamp.br/splogic/> for the extensive list of confirmed speakers and the call for applications: the event will fully fund 100 participants, with priority for those currently in graduate programs or recently graduated. The deadline for applying is October 30, 2022.
- **Young Set Theory 2023** *May 29–June 3, 2023, Münster, Germany.* This meeting is aimed at young researchers in set theory, offering five tutorials in addition to plenary talks. The organizers are S. Hoffelner, A. Kwiatkowska, S. Müller, and F. Schlutzenberg. Preliminary information appears at https://www.uni-muenster.de/MathematicsMuenster/de/events/2023/young_set_theory.shtml.

CALENDAR OF OTHER MEETINGS

- **Very Informal Gathering of Logicians at UCLA (VIG 21)** *February 10–12, 2023, Los Angeles, CA.* The 21st in a series of mostly biennial logic meetings at UCLA, this event will celebrate Tony Martin's 80th birthday. For further information about the meeting and travel grants, visit <http://www.logic.ucla.edu/>.

IN MEMORIAM

- **In memoriam: Paul Schupp (1937–2022)**

Paul E. Schupp, Professor Emeritus of Mathematics at the University of Illinois Urbana-Champaign, passed away in London on January 24, 2022. He is survived by his son, Jérôme, his daughter-in-law, Fiona, and their family.

Paul Schupp was a true mathematical Renaissance man, with his unending and active interest in a wide variety of mathematical and artistic subjects. He exerted a major influence on the birth and development of geometric group theory. His 1977 book with Roger Lyndon, *Combinatorial Group Theory*, remains a classic in the subject to this day, and it foresaw many ideas that later became central to geometric group theory. In more recent years he has played a key role in the study of algorithms which are correct with asymptotic density 1, both in group theory and in general.

Paul was born March 12, 1937, in Cleveland, Ohio. He obtained a bachelors degree at Case Western Reserve University in 1959. During his undergraduate studies Paul became interested in mathematics. He completed his Ph.D. in Mathematics in 1966 at the University of Michigan, under the direction of Roger Lyndon, and spent the 1967–1968 academic year at the University of Illinois as a visitor. He stayed at Illinois and spent his entire academic career there, except for leaves in Paris and other places. He retired in 2008 but remained mathematically active until almost the end of his life.

Most of Paul's mathematical research was in group theory. He also made fundamental contributions to computer science and complexity theory. His work in group theory has had a fundamental impact on the subject and on the transformation of combinatorial group theory into geometric group theory, which took place in late 1980's-early 1990's.

In the 1980's and 1990's, much of Paul's work turned toward computer science, exploring interactions between computer science, complexity theory, and group theory. In the early 2000's, his research focused on the study of generic properties of groups and algorithms. In 2009, he suggested to his colleague Carl Jockusch that this study should be extended from properties of groups to properties of arbitrary sets of natural numbers. It was further extended to algorithms which are correct with at least a prescribed lower density. This led to natural ways of assigning real numbers to sets which measure how well they can be approximated by computable sets, and to a natural metric on Turing degrees. Thus Paul, in work with others, brought geometric points of view and natural geometric questions into computability theory.

In addition to his strong interest in a wide variety of mathematical topics, Paul Schupp was also passionate about languages, music, travel, literature, religion, and Tai Chi, among many other areas. He maintained many deep friendships and will be greatly missed.

OTHER ANNOUNCEMENTS (Also see <http://aslonline.org/announce/>.)

- **Ph.D. Abstracts in the Bulletin of Symbolic Logic.** The *Bulletin of Symbolic Logic* publishes abstracts of recent Ph.D. theses in logic. Christian Rosendal is the editor for this section of the *BSL*. For further information, or to inform the editor of a newly completed dissertation, visit <http://aslonline.org/journals/the-bulletin-of-symbolic-logic/logic-thesis-abstracts-in-the-bulletin-of-symbolic-logic/>.
- **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://aslonline.org/membership/world-bank-list-as-of-october-2021-for-2022-memberships/> includes Brazil, Bulgaria, Colombia, India, 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. Visit <http://aslonline.org/membership/individual-membership/> for information about the ASL and membership benefits. After the initial two-year period, new members under this program pay the reduced membership dues, US\$18 for 2022, 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 2022, the reduced dues are US\$18 for individuals and US\$130 for institutional basic membership, US\$180 for institutional 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://aslonline.org/membership/individual-membership/> or contact the ASL Business Office (address in the Newsletter masthead).
- **Emeritus and Retired 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 2022 are US\$54. 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://aslonline.org/membership/>.

The next newsletter will be mailed in November 2022. Items to be included should reach the Secretary-Treasurers or asl@uconn.edu by November 4, 2022.

Submitted by Russell Miller & Reed Solomon, co-Secretary-Treasurers.