



ASSOCIATION FOR SYMBOLIC LOGIC

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ASL NEWSLETTER

April 2024

- **2024 Sacks Prize.** The ASL invites nominations for the 2024 Sacks Prize for the most outstanding doctoral dissertation in mathematical logic. Nominations must be received by September 30, 2024. 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 2024 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, 2023, and September 30, 2024, 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, Jouko Väänänen; pdf files sent as attachments by email to jouko.vaananen@helsinki.fi 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.

- **Membership is now available to logicians in China.** The ASL continues to remind logicians that as of 2023 we can once again accept members from the People's Republic of China. Under PRC regulations we remain prohibited from mailing journals to members in China. However, we now can offer online access to the ASL journals through Cambridge University Press for members in China. Logicians employed in China who are interested in joining the ASL as new members are encouraged to apply to the ASL Committee on Membership for a free initial two-year outreach membership by emailing their mailing address and professional affiliation to asl-membership@googlegroups.com. After two years, outreach members should contact Shannon Miller at asl@uconn.edu to pay for continued outreach membership at USD 18 per year. Details are available at <https://aslonline.org/membership/individual-membership/>. Questions about this arrangement can be directed to Shannon Miller, Russell Miller or Reed Solomon.

Logicians in China, not being on the current membership list, may not see this Newsletter. We therefore encourage all ASL members to spread the news of this welcome change, especially to colleagues based in China.

- **Attachment: Links to Articles.** For the convenience of our members, the e-mail edition of this Newsletter includes an attachment that provides titles of many articles currently in press and active links for downloading them from our journal websites. This attachment is also available at <https://aslonline.org/other-information/617-2/>.

- **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. Indeed, many universities now have contracts with Cambridge University Press, our publisher, that allow their researchers to publish open-access articles at no charge. These are often called *read-and-publish* or *transformative agreements*.

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>. To ascertain whether your university is among those with an agreement as described above, use <https://www.cambridge.org/core/services/open-access-policies/read-and-publish-agreements>.

- **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 five months before the beginning of the meeting, following the instructions at <http://aslonline.org/sponsorship-of-meetings/>.
- **Call for Conference Proposals.** The ASL Committee on Logic in North America requests proposals for the 2025 ASL North American Annual Meeting, to be held some time during the first five months of 2025. The committee seeks a university somewhere in North America and a local committee to host the meeting and handle the local arrangements. For more information, interested parties should contact Dima Sinapova, the Committee Chair (email: dima.sinapova@rutgers.edu), ideally no later than April 30, 2024.

The Committee on Logic in Europe seeks proposals for hosting the Logic Colloquium during the summer of 2025. Inquiries should be sent promptly to the chair Andrew Arana (andrew.arana@univ-lorraine.fr).

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, as 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.

The deadlines for the 2024 Logic Colloquium and the 2024 North American Annual Meeting have passed. For all other meetings, applications and recommendations 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). They must be received at least three months prior to the start of the meeting, and membership in the ASL is required. Decisions will be communicated at least two months prior to the meeting.

Official ASL meetings include the Logic Colloquium, the North American Annual Meeting, the Simposio Latino Americano de Lógica Matemática (SLALM), the Asian Logic Conference (ALC), the ASL Winter Meeting, and the ASL-APA annual joint meeting. Many other logic meetings are sponsored by the ASL; these are identified as such in the list of upcoming meetings that appears below.

The ASL has received a grant from the US government's National Science Foundation, to support US-based researchers (including students) travelling to the 2024 SLALM in Piriapolis, Uruguay (see page 3). Anyone who

is interested in this funding should promptly send an email to Russell.Miller@qc.cuny.edu to indicate their interest, if they have not already done so. ASL membership is not required.

ASL MEETINGS

- **2024 ASL North American Meeting** *May 14–17, 2024, Ames, IA*. The 2024 ASL North American Meeting will take place at Iowa State University. The plenary speakers include M. Eskew (Vienna), K. Kosaian (Iowa), P. Kolaitis (Santa Cruz), T. Moraschini (Barcelona), R. Nagloo (UIC) and H. Towsner (Penn). Tutorials will be given by A. Tserunyan (McGill) and R. Willard (Waterloo). J. Steel will receive the 10th Carol Karp Prize for his work in set theory, especially in *A Companion Process for Mouse Pairs*, and G. Sargsyan will give a lecture on Professor Steel’s work. There will be special sessions on Algebraic Logic (organized by G. Bezhnashvili and J. Gil-Ferez), Computability Theory (R. Alvir and S. Lempp), Logic in Computer Science (L. Moss and S. Weinstein), Model Theory (M.C. Laskowski and A. Padgett), Set Theory (C. Conley and N. Trang), and Universal Algebra (C. Aten and K. Kearnes). Attached to electronic copies of this Newsletter is the meeting program, with abstracts of all talks, and a poster advertising this meeting, which may be printed out and posted to help publicize it. Further information is available at <https://asl2024.sites.iastate.edu/>.

The program committee consists of B. Csima (chair), N. Galatos, A. Kruckman, T. McNicholl and I. Neeman. The local organizing committee consists of S. Basu, T. McNicholl (chair), K. Slutsky, E. Weber and K. Yvonne-Rozier. The deadlines for abstract submission and travel grant applications have passed.

- **2024 Logic Colloquium (European Summer Meeting)** *June 24–28, 2024, Gothenburg, Sweden*. The 2024 Logic Colloquium will be hosted by the University of Gothenburg. T. Scanlon will deliver the 2024 Gödel Lecture. Tutorials will be presented by A. Dawar, A. Marcone, and A. Sipoş, and the plenary speakers include D. Bekki, J. Franklin, J. Freitag, M. Girlando, S. Jackson, L. Kołodziejczyk, and P.-A. Melliès. Special sessions (with organizers in parentheses) are planned in Applied Model Theory (G. Jones & T. Servi); Computable Structures (U. Andrews & J. Knight); Logic, Language, and Computation (R. Cooper & S. Chatzikiyriakidis); Logic in Philosophy (V. Halbach & H. Wansing); Proof Theory (A. Freund & S. Marin); and Set Theory (D. Bartošová & S. Solecki). A pdf file of a poster for this meeting, which may be displayed around your department, is attached to electronic copies of this Newsletter.

The conference website is 1c2024.se/. The members of the Programme Committee are B. Afshari (Gothenburg), G. Binyamini (Jerusalem, Israel), N. Dobrinen (Notre Dame, USA), U. Kohlenbach (chair; Darmstadt, Germany), K.M. Ng (Singapore), F. Poggiolesi (Paris, France), M. Sadrazadeh (London, UK), R. Solomon (Connecticut, USA), and S. Toruńczyk (Warsaw, Poland). The local organizing committee includes B. Afshari, G. Barlucchi, R. Blanck, G. Curzi, F. Engström, T. Fokkens, M. Granberg Olsson, M. Kasá, G. Leigh, I. Di Liberti, O.L. Olsson, and D. Wehr.

- **2024 Simposio Latino Americano de Lógica Matemática** *July 1-5, 2024, Piriapolis, Uruguay*. The twentieth SLALM will take place in Piriapolis, on the coast of Uruguay, near the capital Montevideo. The plenary speakers are A. Diaz-Caro, C. Di Prisco, I. d’Ottaviano, A. Miquel, S. Montenegro, D. Sangiorgi, and P. Selinger, with tutorials offered by N. Dobrinen, N. Hempel, and M. Silva. There will be five special sessions, entitled Logic in CS and Computability; Model Theory; Non-classical Logics; Philosophical Logic; and Set Theory. The members of the Program Committee are C. Brech, M. Busaniche, A. Caicedo, X. Caicedo Ferrer, L. Carlos, L. del Carmen González Huesca, D. Haskell, O. Malherbe, R. Miller, A. Montalbán (chair), A. Onshuus, and E. Pimentel. The local organizers are W. Ferrer, J.P. García, M. Guillermo, O. Malherbe, and A. Pardo.

As mentioned earlier, the ASL has received a grant from the US government’s National Science Foundation, to support US-based researchers (including students) travelling to the 2024 SLALM. See the instructions above (p. 2 : Student Travel Awards) for further information.

- **Rules for Abstracts.** The rules for abstracts of contributed talks at ASL meetings (including those submitted “by title”) may be found at aslonline.org/rules-for-abstracts/. 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

- **Proofs, Rules, and Models** *April 11-12, 2024, St Andrews, Scotland.* This meeting, organized by the Metaphysics and Logic Research Group and the Medieval Logic Research Group at the Arché Philosophical Research Centre in St Andrews, will explore the relationship between proofs, rules, and meanings through the lens of proof-theoretic semantics. More details are available at <https://www.st-andrews.ac.uk/arche/event/workshop-proofs-rules-and-meanings/>.
- **30th Workshop on Logic, Language, Information and Computation** *June 10-13, 2024, Bern, Switzerland.* WoLLIC is an annual international forum on inter-disciplinary research involving formal logic, computing and programming theory, and natural language and reasoning. WoLLIC 2024 will be held in-person, organized by the Mathematical Institute and Institute for Computer Science of the University of Bern. More information will be available through www.wollic.org.
- **Reykjavik Summer of Cool Logic** *June 10-20, 2024, Reykjavik, Iceland.* Three events will occur consecutively at Reykjavik University: the Nordic Logic Summer School on June 10-13, the Scandinavian Logic Symposium on June 14-16, and a symposium on Games, Automata, Logics, and Formal Verification on June 18-20. More information is available at icetcs.ru.is/reykjavik-logic-2024/.
- **Topology, Algebra, and Categories in Logic** *June 25 - July 5, 2024, Barcelona, Spain.* TACL 2024 will be organized by the University of Barcelona and CSIC. The conference on July 1-5 will be preceded by a summer school on June 25-28. Further information, including the invited speakers for the conference, is available at <https://iia.csic.es/tac12024/>.
- **Panhellenic Logic Symposium** *July 1-5, 2024, Thessaloniki, Greece.* This is the fourteenth meeting in a series that aims to promote interaction and cross-fertilization among different areas of logic. The symposium is open to researchers worldwide who work in logic, broadly conceived. The invited speakers include I. Adler, D. Aspero, A. Das, P. Levy, A. Panagiotopoulos, and C. Vassilakopoulou, with tutorials by T. Kihara and A. Koutsoukou-Argraki. There is a special provision for abstracts of work in progress by early-career researchers: such abstracts must be submitted by May 29, 2024, and the presenters may then receive mentoring from senior scholars. For details please see panhellenic-logic-symposium.org/14/.
- **Leeds Computability Days** *July 2-5, 2024, Leeds, UK.* The theme of this meeting, organized by P. Shafer and sponsored by the University of Leeds, is *Computability, Reverse Mathematics, and Topology*. The extensive list of invited speakers is available at <https://www.computability.org/lcd2024/>. Registration is required by the deadline of June 21, 2024.
- **Computability in Europe** *July 8-12, 2024, Amsterdam, the Netherlands.* The twentieth edition of CiE is entitled *Twenty Years of Theoretical and Practical Synergies*. The invited speakers include A. Beckmann, R. Downey, E. Mayordomo, A. Miquel, M. Seisenberger, and M. Soskova, with tutorials offered by M. Harrison-Trainer and S. Smets. The deadline for submissions to the proceedings volume has passed, but short abstracts for “informal presentations” (which are essentially contributed talks) is May 15, 2024. The conference website is <https://events.illc.uva.nl/CiE/CiE2024/Main/>.
- **Beijing Model Theory Conference** *July 8-12, 2024, Beijing, China.* This meeting will bring together groups working on model theory and its applications to various fields, such as hyperbolic groups, combinatorics, differential and difference algebra, neostability and continuous logic. It is organized by the Academy of Mathematics and Science Systems and sponsored by the National Natural Science Foundation of China. For the extensive list of confirmed speakers, please visit mmrc.iss.ac.cn/~weili/bmtc/index.html.
- **CCA 2024** *July 15–18, 2024, Swansea, Wales, UK.* The Twenty-First International Conference on Computability and Complexity in Analysis will be hosted by Swansea University. It focuses on the theory of computability

and complexity over real-valued data. The Scientific Programme Committee is chaired by Z. Iljazović, and the Organizing Committee by E. Neumann. The Programme Committee invites abstracts of up to two pages, to be submitted by April 29, 2024 following the instructions at cca-net.de/cca2024/.

- **Workshop on Proof Mining 2024** *September 4-6, 2024, Darmstadt, Germany.* This workshop, specifically dedicated to proof mining, will include talks on the underlying methods from proof theory, in particular proof interpretations and finite type arithmetic, as well as applications in various forms. Please notice that the meeting dates have changed since the initial announcement. The local organizers are U. Kohlenbach, P. Pinto, and N. Pischke, and the conference website is sites.google.com/view/wpm24.

CALENDAR OF OTHER MEETINGS

- **Northeast Model Theory Day** *May 4, 2024, Middletown, CT.* This one-day meeting, hosted at Wesleyan University, is the first in what is hoped to become an annual series. The invited speakers are P. Baginski, A. Chernikov, A. Dolich, and A. Kolesnikov. Some travel support is available through the MAMLS NSF grant. For registration and more information, please visit <https://nemtd24.wescreates.wesleyan.edu>.
- **Equivalences, Numberings, Reducibilities 2024** *May 20-24, 2024, Astana, Kazakhstan.* ENR-2024, the successor to the ENR workshop in Udine in 2021, will take place in a hybrid format in Astana, co-sponsored by the host Nazarbayev University and by the Mathematical Center in Akademgorodok. The invited speakers include S. Badaev, S. Goncharov, M. Hoyrup, I. Kalimullin, L. San Mauro, V. Selivanov, and G. Wu. Abstracts for contributed talks (which must be presented in-person) are due by May 1, 2024. For more information and to register, please visit the website sites.google.com/nu.edu.kz/enr2024/home.
- **Young Set Theory 2024** *June 17-21, 2024, Budapest, Hungary.* The annual Young Set Theory schools and workshops bring together young mathematicians, providing in depth introductions to various topics in set theory. This year's edition will include tutorials by M. Magidor, J. Steel, A. Tserunyan, B. Veličković, and J. Zapletal, along with invited talks by T. Benhamou, M. Bowen, A. Lietz, M. Poór, and J. Schilhan. The deadline for registration is May 31, 2024. For further information, please see <https://erdoscenter.renyi.hu/events/young-set-theory-workshop>.
- **Algebra and Mathematical Logic: Theory and Applications** *June 27 - July 1, 2024, Kazan, Russia.* Kazan Federal University will host this conference, which is dedicated to the 130th birthday of Nikolai Chebotarev and the 80th birthday of the department chair Prof. Marat Arslanov. Topics of the meeting include Lie algebras, groups, rings, algebraic geometry, universal algebra, model theory, computability theory, and logical methods in programming. The Program Committee is chaired by Yu. Ershov and co-chaired by I. Kalimullin, while M. Faizrahmanov chairs the Organizing Committee. The deadline for abstract submission is April 30, 2024, using the website https://mathcenter.kpfu.ru/algmthlog_en.
- **Problems Allied to Model Theory and Universal Algebra** *July 8-13, 2024, Novosibirsk, Russia.* This, the 16th International Summer School-Conference in the Erlagol series, will be held in a mixed format, hosted by the Sobolev Institute of Mathematics and co-organized by the Chair of Algebra and Mathematical Logic of Novosibirsk State Technical University. Information about submission and further details are available at erlagol.ru.
- **Computable Structure Theory and Interactions** *July 15-17, 2024, Vienna, Austria.* This workshop will be hosted by the Technische Universität Wien, organized by V. Cipriani, D. Dzhabarov, E. Fokina, and D. Rossegger. Its focus is computable structure theory, with an eye to the interplay between this topic and other branches of mathematics. The list of invited speakers is available at www.computability.org/csti2024/.
- **Incontro di Logica AILA** *September 3-6, 2024, Udine, Italy.* This meeting, organized by the Italian Association for Logic and its Application (AILA), aims to convene most Italian researchers studying mathematical, philosophical or computer-science-related aspects of logic. The confirmed plenary speakers include I. Ciardelli, T. Ehrhard, E. Mayordomo, F. Gallinaro, M. Gehrke, and S. Müller, and several AILA awards will be presented.

Contributed talks (from logicians of all nationalities) are welcome: abstracts should be submitted by April 30, 2024 through the conference website <https://ailameeting24.uniud.it>.

- **Journées sur les Arithmétiques Faibles** *September 9-11, 2024, Passau, Germany*. The 43rd edition of JAF is tentatively scheduled for September 9–11 at the IT-Zentrum in Passau, bringing together researchers who study weak arithmetics in various contexts. The Programme Committee includes P. Cégielski, J. Cervelle, A. Córdon-Franco, C. Dimitracopoulos, A. Enayat, A. Esbelin, and N. Thapen, and the Organizing Committee is chaired by A. Gaysin. Papers for this meeting may be submitted until June 2, 2024, following the directions at <https://www.uni-passau.de/en/jaf>.

OTHER ANNOUNCEMENTS (Also see aslonline.org/announce/.)

- **Ph.D. Abstracts in the *Bulletin of Symbolic Logic***. Since 2018, the *Bulletin of Symbolic Logic* has published abstracts of recent Ph.D. theses in logic. Sandra Müller is the editor for this section of the *BSL*. Please visit aslonline.org/journals/the-bulletin-of-symbolic-logic/logic-thesis-abstracts-in-the-bulletin-of-symbolic-logic/ for further information or to inform the editor of a newly completed dissertation.
- **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 <https://aslonline.org/membership/world-bank-list/>, includes Brazil, Bulgaria, China (see p. 1), 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 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 2024, 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 2024, 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 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 2024 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 aslonline.org/membership/.

The next newsletter will be mailed in September 2024. Items to be included should reach the Secretary-Treasurers or asl@uconn.edu by August 31, 2024.

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