ASL
ASSOCIATION FOR SYMBOLIC LOGIC

ASL NEWSLETTER   April 2023

- **2023 Sacks Prize.** The ASL invites nominations for the 2023 Sacks Prize for the most outstanding doctoral dissertation in mathematical logic. Nominations must be received by September 30, 2023. 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 2023 Sacks Prize should consult the webpage `http://aslonline.org/other-information/prizes-and-awards/sacks-prize-recipients/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, 2022, and September 30, 2023, 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.

- **ASL Centennial Fellowship awarded to Joel Nagloo.** The American Mathematical Society awards one Centennial Fellowship in mathematics each year. For 2023-24, this fellowship has been awarded to Prof. Joel "Ronnie" Nagloo of the University of Illinois at Chicago. Prof. Nagloo studies model theory, with a focus on differential algebra. A full announcement from the AMS appears at `https://www.ams.org/news?news_id=7163&utm_source=Informz&utm_m?ium=email&utm_campaign=Informz%20Mailing&_zs=8O2eF1&_zl=3X137`. Congratulations to the recipient!

- **S. Barry Cooper Prize for 2023.** The Association for Computability in Europe has awarded its S. Barry Cooper Prize for the year 2023 to Prof. Rodney G. Downey, of Victoria University in Wellington, New Zealand. This award is given to a researcher who has contributed to a broad understanding and foundational study of computability. The full announcement appears at `https://www.acie.eu/2023-s-barry-cooper-prize-awarded-to-rod-g-downey/`. The prize will be formally announced at the conference CiE 2023 in Batumi, Georgia, and the award lecture will be delivered during the conference CiE 2024 in Amsterdam.

- **ASL membership renewal for 2023 is open.** Online renewal for 2023 is available at `https://www.cambridge.org/core/membership/asl`. Additionally, paper renewal forms are available at `http://aslonline.org/membership/individual-membership/`, that can be returned by snail mail or email. Members now have

the option to choose, for each of our three journals individually, whether to receive print copies or only to have online access to the journal. To make this new arrangement possible, we have reduced the number of options for the term of membership, which will now be available for either a single year or five years. For those who hold multi-year memberships and wish to confirm the expiration date, please log in to your account with Cambridge University Press or send email to `USmemberservices@cambridge.org`.

Many logicians, when becoming members of the ASL, opt out of receiving email from Cambridge U.P., which administers the membership program. In such cases, due to European Union regulations regarding opting-out, these members may not receive any electronic notification of the expiration of their memberships, and we know of cases where memberships have lapsed simply because the member was unaware of the expiration date. The ASL is working with CUP to develop a better system, still conforming to the EU regulations. In the meantime, we encourage all those whose memberships expire in 2022, especially those who may have opted out of email, to be careful to renew their memberships in a timely fashion!

- **Membership is now available to logicians in China.** The ASL is excited to announce that 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 some months during the coronavirus 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 the e-mail edition of this Newsletter includes an attachment (also available shortly at `http://aslonline.org/wp-content/uploads/2023/04/Apr2023articlelinks.pdf`) that provides titles of many articles currently in press and active links for downloading them from our journal websites.

- **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`.

- **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: 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.

  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). The deadline for the 2023 Logic Colloquium has passed. 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. 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.

ASL MEETINGS

- **ASL European Summer Meeting (Logic Colloquium)** *June 5–9, 2023, Universitá di Milano, Italy.* The Universitá 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 invited speakers are G. Binyamini, I. Carboni Oliveira, J. Franklin, N. Gambino, G. Goldberg, M. Lupini, F. Poggiolesi, V. Sofronie-Stokkermans, and Z. Vidnyánszky, with tutorials offered by I. Kaplan and F. van Doorn. Special sessions are being organized in Applied Proof Theory; Computability; Logic and Computation; Logic and Philosophy; Model Theory; and Set Theory. The Programme Committee consists of M. Aschenbrenner, P. D'Aquino (chair), J. Krajíček, A. Kwiatkowska, P. Oliva, A. Pauly, G. Primiero, and P. Welch. 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).

  The deadlines for contributed talks and student travel grant applications have passed. The deadline for registration is May 15, 2023, at the website `https://lc2023.unimi.it/`, and the deadline for early registration is May 1. All speakers must register. This meeting is entirely in-person. The organizers will attempt to accommodate any contributed talks for which the speaker cannot attend and must speak remotely, but even then, the talk will be available only to in-person participants.

- **Asian Logic Conference** *October 9–13, 2023, Nankai University, Tianjin, China.* The Asian Logic Conference, which was canceled in 2021 due to the coronavirus pandemic, will be held at Nankai University on October 9–13, 2023. The invited speakers are W. Johnson, B. Khoussainov, C. Lambie-Hanson, A. Melnikov, R. Sklinos, S. Solecki, L. Wu, J. Ye, and Y. Yang. The Program Committee includes M. Banerjee, L. Ding, S. Gao, S. Goncharov, K. Hirotaka, B. Kim, K.M. Ng, A. Nies, D. Raghavan, K. Sano, K. Yokoyama, and L. Yu. The Local Organizing Committee consists of L. Ding, S. Gao, C. Peng, M. Xiao, and Q. Zhao.

  The conference website is `https://logic.nankai.edu.cn/alc2023/`. Applications for student travel awards are due by July 9, 2023, and contributed talk abstracts should be submitted by July 17. Registration is available until September 15, but anyone requiring an invitation letter (e.g., for visa purposes) should register by August 15 and request such a letter. Visas are required for entry to China by nationals of many other countries.

- **2024 ASL Winter Meeting (with APA)** *January 15–18, 2024, New York, NY.* The 2024 ASL-APA meeting will be held in conjunction with the Eastern Division of the American Philosophical Association, at the Sheraton

New York Times Square in New York City. S. Artemov chairs the Program Committee. Abstracts for contributed talks should follow the rules found at `http://aslonline.org/rules-for-abstracts/` and should be sent to `asl@uconn.edu` by the deadline of June 1, 2023. The deadline for student travel award applications (see p. 3 above) is October 15, 2023.

ASL SPONSORED MEETINGS

- **Antalya Algebra Days XXII** *May 17–21, 2023, Şirince-Selçuk-Izmir, Turkey.* Antalya Algebra Days is an annual meeting taking place in Turkey, which serves as an international platform for exchanging ideas and establishing contacts. Each meeting has a focus: for the meeting in 2023 the focus will be model theory. Confirmed speakers include: E. Aksoy, Z. Chatzidakis, G. Conant, P. Cubides Kovacsics, M. Kamensky, U. Karhumaki, K. Krupiński, S. Moconja, D. Palacin, N. Ramsey, O. León Sánchez, and T. Zou. The Scientific Committee consists of A. Berkman, Ö. Beyarslan, P. Kowalski, A. Martin Pizarro, and A. Topuzoğlu. The deadline to apply to participate is April 30, 2023. For more information, visit `https://nesinkoyleri.org/en/events/2023-antalya-cebir-gunleri-xxii/`.

- **Second International Conference in Homotopy Type Theory** *May 22–25, 2023, Pittsburgh, PA, USA.* HoTT 2023 will be held at Carnegie Mellon University in May 2023. The invited speakers are J. Bergner, T. Coquand, A. Kovács, and A. Mörtberg, with a memorial lecture in honor of Vladimir Voevodsky to be delivered by M. Shulman. The Scientific Committee is chaired by N. Gambino, and the Local Committee is chaired by S. Awodey. For further information see `https://hott.github.io/HoTT-2023/`.

- **Young Set Theory 2023** *May 29–June 3, 2023, Münster, Germany.* This meeting is aimed at young researchers in set theory, offering tutorials by O. Ben-Neria, N. Dobrinen, V. Fischer, S. Jackson, and T. Tsankov in addition to plenary talks by W. Chan, M. Eskew, T. Gilton, Z. Kostana, and J. Zomback. The organizers are S. Hoffelner, A. Kwiatkowska, S. Müller, and F. Schlutzenberg. More information appears at `https://www.uni-muenster.de/MathematicsMuenster/de/events/2023/young_set_theory.shtml`.

- **Computability, Complexity, and Randomness 2023** *July 10–14, 2023, Kochel am See, Germany.* CCR 2023 will take place at Lake Kochel. The invited speakers will be E. Allender, G. Barmpalias, C.T. Chong, J. Franklin, J.L. Goh, S. Hirahara, T. McNicholl, and P. Shafer. The Programme Committee consists of V. Becher, J. Lutz, A. Melnikov, W. Merkle (co-chair), K. Miyabe, M. Soskova, L. Westrick (co-chair), and M. Zimand. The local organizers are V. Brattka, P. Hertling, R. Hölzl, and P. Janicki. Further details are available at `http://cca-net.de/ccr2023/`.

- **29th Workshop on Logic, Language, Information and Computation 2023** *July 11–14, 2023, Halifax, Nova Scotia, Canada.* WoLLIC is an annual international forum on inter-disciplinary research involving formal logic, computing and programming theory, and natural language and reasoning. WoLLIC 2023 will be held in-person at Dalhousie University, with a hybrid component. The seven invited talks, by T. Bolander, M. Kanazawa, M. Moortgat, M. Ortiz, A. Özgün, D. Pavlovic, and R. Zach, are all expected to be delivered in person. The Programme Committee is co-chaired by H. Hvid Hansen and A. Scedrov. The website for the conference is `https://www.mathstat.dal.ca/wollic2023/`. Notice that citizens of most nations will require a simple electronic travel authorization to enter Canada: see the website above or `https://www.canada.ca/en/immigration-refugees-citizenship/services/visit-canada/eta.html`.

- **Computability in Europe 2023** *July 24–28, 2023, Batumi, Georgia.* The nineteenth edition of the CiE meeting series will be held in Batumi, on the Black Sea coast in the nation of Georgia. The invited speakers are A. Bulatov, A. Condon, S. Dick, K. Eisenträger, N. Lutz, and M. Steedman, with tutorials offered by L. Patey and L. Perret. The Program Committee is chaired by G. Della Vedova and S. Lempp. The local organizers are D. Begashvili, A. Beridze, M. Donadze, B. Dundua (chair), T. Mikadze, M. Rukhaia (co-chair), and L. Turmanidze. The deadline for abstracts for informal presentations is June 8, 2023. Details appear at `https://www.viam.science.tsu.ge/cie2023/`.

- **International Congress on Logic, Methodology and Philosophy of Science and Technology** *July 24–29, 2023, Buenos Aires, Argentina.* The quadrennial CLMPST will take place in Buenos Aires. The plenary speakers include P. Kitcher, H. Longino, and I. d'Ottaviano. The Program Committee is chaired by A. Aliseda. For further information visit `https://clmpst2023.dc.uba.ar/`.

- **European Summer School of Logic, Language and Information** *July 31–August 11, 2023, Ljubljana, Slovenia.* The 34th edition of ESSLLI will be hosted by the Faculty of Computer and Information Science in Ljubljana. The Program Committee is chaired by J. Kontinen and K. Dobrovoljc, while the local organizing chair is S. Žitnik. Workshops and foundational, introductory, and advanced courses are planned on the interaction between logic, linguistics, and computer science, along with tutorials, lectures, and social events for participants. Please see `https://2023.esslli.eu` for more information. The deadline for early registration is May 31.

- **Model Theory in Seoul** *August 28–30, 2023, Yonsei University, Seoul, South Korea.* This meeting continues a tradition of model theory conferences in Seoul. The Programme Committee comprises J. Dobrowolski, B. Kim, J. Lee, and N. Ramsey, while the local organizers are H. Kim, J. Kim, H. Lee, and J. Lee. Registration and further information, including the list of fifteen plenary speakers, is available at `https://sites.google.com/yonsei.ac.kr/modeltheoryseoul2023`. The deadline for registration is June 15.

- **Model Theory Workshop and Conference** *September 15–23, 2023, Wrocław, Poland.* This event comprises a workshop on September 15–18 and a subsequent conference on September 19–23. Both are part of a logic semester in Poland during the autumn of 2023. The Workshop will feature tutorials by T. Kaiser, A. Pillay, and N. Ramsey. It is organized by P. Błaskiewicz, J. Gogolok, D. Hoffmann, P. Kowalski, and K. Krupiński. The conference has twenty speakers scheduled. Please see the websites `https://www.math.uni.wroc.pl/~pkowa/work23.html` (for the workshop), `https://www.math.uni.wroc.pl/~pkowa/conf23.html` (for the subsequent conference), and `https://www.math.uni.wroc.pl/~pkowa/semester.html` (for the semester program).

- **Model Theory and Groups** *September 25–29, 2023, Münster, Germany.* This conference at the University of Münster is being held in honor of Katrin Tent's 60th birthday. Registration is open at `https://www.uni-muenster.de/MathematicsMuenster/events/2023/modeltheory-groups.shtml`, which also gives the extensive list of speakers. The organizers are Z. Ghadernezhad, M. Hils, F. Jahnke,, and I. Müller.

- **Australasian Logic Colloquium** *November 6–7, 2023, Queensland, Australia.* This will be a hybrid meeting hosted by the University of Queensland at the St. Lucia Campus in Brisbane, Australia. The keynote speakers are E. Casanovas and R. Goré. For more information see `https://sites.google.com/view/australasianlogcolloquium2023/home?pli=1`.

CALENDAR OF OTHER MEETINGS

- **Computability and Combinatorics 2023** *May 15–21, 2023, Storrs, CT, USA.* This meeting at the University of Connecticut is divided into a summer school on May 15–18 and a conference on May 19–21. The Program Committee consists of P. Cholak, D. Dzhafarov, D. Hirschfeldt, M. Malliaris, A. Montalbán, T. Slaman, R. Solomon, and L.B. Westrick. For more information see `https://www.computability.org/comp2023/`.

- **MAMLS Spring Fling** *May 23–26, 2023, New Brunswick, NJ, USA.* The annual Mid-Atlantic Mathematical Logic Seminar meeting at Rutgers University returns after a hiatus, this time as a spring meeting. The local organizers are F. Calderoni, V. Gitman, G. Fuchs, and D. Sinapova. Online registration is encouraged, via the site `https://sites.math.rutgers.edu/~fc327/MAMLS2023/index.html`, which also lists the fourteen invited speakers from a broad range of disciplines in logic.

- **Journées sur les Arithmétiques Faibles** *September 25–27, 2023, Samos, Greece.* The 42nd edition of the JAF will take place in Samos in September 2023. This meeting series focuses on the logic of weak arithmetical systems. The Programme Committee includes P. Cégielski, J. Cervelle, A. Cordón-Franco, C. Dimitracopoulos, A. Enayat, A. Esbelin, and N. Thapen. The deadline for abstract submissions is June 30, 2023. More information is available at `http://mathweb.aegean.gr/jaf42/`.

IN MEMORIAM

- **Saul Kripke (1940–2022).** Saul Aaron Kripke, arguably the most influential philosopher and logician of his generation, died on September 15, 2022, at the age of 81.

    Kripke's greatest intellectual contributions were made in the area of logic-related philosophy. These concentrated around his two books *Naming and Necessity* (Harvard University Press, 1980) and *Wittgenstein on Rules and Private Language: An Elementary Exposition* (Harvard University Press, 1982). In the area of logic, he produced fundamental works on the semantics of modal and intuitionistic logic and the theory of truth.

    While still in high school, he wrote the paper "A Completeness Theorem in Modal Logic" (JSL 24.1 1959: 1-14), with a detailed exposition in *Semantical Considerations on Modal Logic* (*Acta Philosophica Fennica* 16, 1963) and in some subsequent publications. This work introduced Kripke Semantics, which remains to this day standard in the areas of modal and non-classical logic and their vast applications.

    Kripke's theory of truth, presented in "Outline of a Theory of Truth" (*The Journal of Philosophy* 72.19 1976: 690-716), opened one of the most popular avenues of research in logic and philosophy. In this work, Kripke uses the Knaster-Tarski fixed-point theorem in a most elegant and exciting way.

    Many Kripke contributions existed only as lecture notes and recordings. The Saul Kripke Center in CUNY has been systematically converting these works into conventional publications. At different periods, Saul Kripke taught at M.I.T., Rockefeller University, Princeton, and, since 2003, at the City University of New York.

    Saul Kripke is a recipient of the Rolf Schock Prize in logic and philosophy, managed by the Royal Swedish Academy of Sciences, as well as a number of honorary degrees. His only formal academic qualification was a BS degree in mathematics from Harvard.

- **Thanases Pheidas (1958–2023)** We regret to report that Prof. Thanases Pheidas passed away on March 28, 2023. A memorial will appear in a future Newsletter.

OTHER ANNOUNCEMENTS (Also see `http://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. As of January 1, 2023, Sandra Müller is the editor for this section of the *BSL*. Please visit `http://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, 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 2023, as long as their country of residence is on the ASL's list of developing economies.

The next newsletter will be mailed in September 2023. Items to be included should reach the Secretary-Treasurers or `asl@uconn.edu` by August 31, 2023.

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