



ASSOCIATION FOR SYMBOLIC LOGIC

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ASL NEWSLETTER

January 2022

- **The 2021 ASL Election.** In the 2021 election, the members of the ASL elected Phokion Kolaitis (Santa Cruz), the former Vice President, as President; Natasha Dobrinen (Denver) as Vice President; Christina Brech (São Paulo) and Valentina Harizanov (George Washington University) as at-large members of the Executive Committee; and Bahareh Afshari (Gothenburg/Amsterdam) and Martin Ziegler (KAIST, South Korea) as at-large members of the ASL Council. All terms are for three years beginning January 1, 2022. Many thanks to all those who voted.
- **ASL membership renewal for 2022 is open.** Online renewal for 2022 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 expired in 2021, especially those who may have opted out of email, to be careful to renew their memberships in a timely fashion!

- **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 may be considered for the book award. Any article published in the past 6 years may be considered for the article award. 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/>.

- **Call for Proposals: 2023 JMM Special Session.** The ASL Committee on Logic in North America seeks proposals for an ASL Special Session to be held at the Joint Mathematics Meetings in Boston, Massachusetts, January 4–7, 2023. Proposals or requests for information should be sent to the Committee Chair, Tom Scanlon (scanlon@math.berkeley.edu). The deadline for receipt of proposals is March 1, 2022.
- **New ASL Journal Policies.** The ASL Committee on Publications and the ASL Publisher have prepared new guidelines for authors submitting papers to each of the ASL journals. These guidelines will be posted at the

ASL website: JSL Submission Guidelines, BSL Submission Guidelines and RSL Submission Guidelines. A new version of the Publications Ethics Policy will also be posted. All authors are expected to be familiar with, and to follow, these guidelines. These new guidelines incorporate changes in the editorial management system (now with EditFlow) as well as several items to reflect changes in the general publishing world. These include requirements for abstracts and AMS classification numbers (MSC 2020) as well as recommendations for other metadata, such as ACM CCS designators and ORCID identifiers for authors. Several major changes come in response to the need to implement forms of open access. All ASL journals have become hybrid, i.e., papers will be published in the traditional way but also open access publishing will be allowed when supported by authors' funders or institutions in any of several ways. Thus copyrights will be left with authors but appropriate licence-to-publish agreements will be required instead of copyright transfers. The Publication Ethics Policy has been extended to include procedures that reflect expectations about such issues as discrimination, harassment and the like as well as developments in the legal requirements in these areas and in those of economic and trade sanctions.

The ASL Committee on Publications has also adopted a new policy to the effect that all submissions to ASL journals must be written in English. This new policy will take effect on January 1, 2023, i.e., all new submissions to ASL journals on or after that date must be written in English.

- **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 nearly caught up. All journals remain available online to members as always, and the e-mail edition of this Newsletter will include an attachment (also available at <http://aslonline.org/wp-content/uploads/2022/01/Jan2022articlelinks.pdf>) in which we provide titles of many articles currently in press and active links for downloading them from our journal websites. CUP has apologized to the ASL Publisher for the delays, and requests that we all recognize the significant challenges posed by the pandemic.
- **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. 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. Application by email is encouraged; put "ASL travel application" in the subject line of your message.

For the 2022 European Summer Meeting (Logic Colloquium), travel grant applications are accepted from students and also from recent Ph.D. recipients, until the deadline of March 24, 2022, and ASL membership is not required. 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 (address at the top of this Newsletter). Decisions will be communicated at least two months prior to the meeting.

Extra support for US-based students may be available for the 2022 Simposio Latino Americano de Lógica Matemática in Costa Rica. For details, see the description of this meeting (under “ASL MEETINGS”) below.

INFORMATION ON MEETINGS

- **Status of scheduled meetings.** Under the extraordinary circumstances of the coronavirus and the measures in place to combat it, many logic meetings have been canceled or moved online, and it remains possible that meetings in 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.** To replace canceled meetings and seminars, certain regular online logic seminars have sprung up. 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.

ASL MEETINGS

- **2022 ASL Winter Meeting (with APA)** *February 23-26, 2022, Chicago, IL.* The 2022 ASL-APA meeting will be held in conjunction with the Central Division of the APA, which is planned as an in-person meeting at the Palmer House Hilton in Chicago, IL. A preliminary program for this meeting is available at www.aslonline.org/wp-content/uploads/2021/11/APALongProgram2022.pdf. The invited speakers for the ASL-APA meeting include T. Bays (Notre Dame), R. Cook (Minnesota), S. Ebels-Duggan (Northwestern), E. Nutting (Kansas), S. Shin (Yale) and M. Titelbaum (Wisconsin). The Program Committee consists of M. Rossberg and G. Sher (chair). Website: <https://www.apaonline.org/events/EventDetails.aspx?id=1256298&group=>.
- **ASL Special Session on the Model Theoretic Classification Program** *April 6, 2022, Seattle, WA (online).* The 2022 Joint Mathematics Meetings, scheduled for January, were postponed on account of the current wave of the coronavirus pandemic, and have been rescheduled as an online meeting on April 6-9, 2022. Since these dates overlap with the ASL North American Annual Meeting, the ASL Winter Meeting has been canceled. However, the online JMM will still include the ASL Special Session on the Model Theoretic Classification Program, organized by A. Chernikov (UCLA) and N. Ramsey (UCLA), to be held in two sessions on April 6, the day before the North American Annual Meeting begins. As more details are confirmed, they will be available at <https://www.jointmathematicsmeetings.org//jmm>.

The ASL apologizes to those who hoped to attend the Winter Meeting in person, and particularly to the speakers slated for that meeting. The ASL objected strongly, in advance, to the new dates of the online JMM, but the American Mathematical Society chose those dates and could not be dissuaded. We expect that the program for the canceled Winter Meeting will be revived, more or less intact, as the program for the 2023 Winter Meeting, planned for January 4–7, 2023 in Boston, MA. (Several contributed talks from the canceled Winter Meeting program are now planned for the North American Annual Meeting in April 2022 instead, and there will be a new call for contributed talks for the 2023 Winter Meeting.)

- **2022 ASL North American Annual Meeting.** *April 7–10, 2022, Cornell University, Ithaca, NY.* The 2022 North American ASL meeting is planned as an in-person meeting at Cornell University. The plenary speakers include W. Boney (Texas State), J. Floyd (Boston University), T. Ho (Cal State Northridge), M. Hrusak (UNAM), J. Keisler (Wisconsin), A. Razborov (Chicago), R. Tucker-Drob (Florida), and A. Wigderson (IAS). J. Knight (Notre Dame) will give her Retiring Presidential Address. The tutorial will be given by I. Goldbring (UC Irvine), and a panel discussion entitled “Mathematical logic in the pandemic era” will be moderated by J. Franklin (Hofstra) and D. Haskell (McMaster). There will be special sessions (listed with organizers) in Aspects of Logic and Machine Learning (J. Freitag and V. Harizanov), Computability Theory (A. Montalbán), Homotopy Type Theory (E. Riehl), Models of PA (R. Kossak), Philosophy (L. Patton), and Set Theory (S. Solecki).

The Program Committee consists of W. Calvert, V. Kabanets, J. Moore, R. Patel, S. Shieh, and J. Zapletal (chair), while the Organizing Committee consists of R. Constable, H. Hodes, A. Kocurkek, D. Kozen, J. Moore (chair), A. Nerode and S. Solecki. Attached to electronic versions of this Newsletter is a pdf file of the program for this meeting, which is also available at <http://aslonline.org/meet/>.

- **2022 Logic Colloquium (ASL European Summer Meeting).** *June 27 – July 1, 2022, Reykjavik, Iceland.* Logic Colloquium 2022 is planned as a hybrid meeting with substantial in-person attendance, hosted by the Department of Computer Science of Reykjavik University. The Program Committee consists of A. Achilleos, A. Berkman, Z. Chatzidakis, E. Fokina, B. Halimi, E. Jeřábek, R. Miller, M. Rathjen, R. Schindler, and A. Sorbi (chair). The Organizing Committee includes of L. Aceto, A. Achilleos, A. Ingólfssdóttir, and T. Uustalu. Preliminary information is available at <http://icetcs.ru.is/lc2022/>. The deadline for student travel award applications (see above) and for contributed talk submissions is March 24, 2022. Abstracts for contributed talks should conform to the Rules for Abstracts (below), and should be sent to asl@uconn.edu.

- **2022 Simposio Latino American de Lógica Matemática.** *July 26-30, 2022, San Jose, Costa Rica.* The 2022 SLALM will be held on the campus of the Universidad de Costa Rica, mainly as an in-person meeting. The plenary speakers include C. Brech, M. Harrison-Trainor, and O. León Sánchez, with more expected to be announced. Minicourses will be given by D. García, O. Guzman, D. Szmuc, and L. Westrick, and thematic sessions are planned in Computability; Model Theory; Non-Classical Logics and Algebraic Logic; Philosophy of Logic and Philosophical Logic; and Set Theory. These sessions will include both invited and contributed talks. The deadline for submitting contributed talks is April 11, 2022. The Scientific Committee includes E. Barrio, E. Casanovas, V. Fischer, V. Harizanov, H. Mariano, A. Montalbán, S. Montenegro Guzmán, and A. Onshuus, while the Organizing Committee consists of S. Montenegro Guzmán and R. Zamora Calero. The webpage for the meeting is <https://paginas.cimpa.ucr.ac.cr/slalm/index.php/en/>.

The ASL hopes to receive a grant from the National Science Foundation to support travel to this meeting by US-based participants. Logicians who are interested and eligible for support should send their names promptly to Russell Miller at russell.miller@qc.cuny.edu. Per NSF rules, to be eligible, a participant must be either a US citizen, or a student (of any nationality) at a US educational institution. It is not necessary to be an ASL member, and logicians belonging to populations underrepresented in logic are particularly encouraged to apply. Those who respond will be updated as the status of the grant is determined.

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

- **36th Summer Topology Festival** *July 18–23, 2022, Vienna, Austria.* This meeting is planned as a mostly in-person event, with a partial focus on logic, including a special session in set-theoretic topology. The invited speakers include A. Kwiatkowska and M. Magidor. Please consult <https://www.univie.ac.at/projekt-service-mathematik/e/index.php?event=stc21> for updates.

CALENDAR OF OTHER MEETINGS

Several of the meetings below may soon be approved for ASL sponsorship and thus be eligible for student travel grants. Please consult <http://aslonline.org/meet/> for updates.

- **Journées sur les Arithmétiques Faibles (Weak Arithmetic Days)** *June 13–17, 2022, Moscow, Russia.* The 41st edition of the JAF will take place at Steklov Mathematical Institute, with some options for remote participation. The program will include several invited talks. Submission of contributed talks is via EasyChair, by March 20, 2022. Some travel support may be available. For more information, see <http://jaf2022.mi-ras.ru>.
- **Crossley Festschrift Logic Colloquium** *June 14–15, 2022, online.* This online conference will celebrate John N. Crossley's 85th birthday, with talks by his students, friends and collaborators. The speakers include Y. Gurevich, W. Hodges, A. Nerode, J. van Benthem, and M. Wirsing. Further information is available from <https://sites.google.com/view/crossley-logic-colloquium/home>.
- **Panhellenic Logic Symposium** *July 6–10, 2022, Volos, Greece.* This meeting has been rescheduled from July 2021. The Panhellenic Logic Symposium is a biennial scientific event in logic that was established in 1997. It aims to promote interaction and cross-fertilization among different areas of logic, including philosophical logic, logic in computer science, model theory, computability/complexity theory, and set theory. The program will include hour-long invited talks by A. Brooke-Taylor, T. Kihara, J. Knight, V. Koutavas, A. Macintyre, T. Pheidas, A. Silva, and L. Westrick. Tutorials will be given by A. Kavvos, N. Leonardos, and S. Zachos. The Scientific Committee is co-chaired by G. Barmpalias and K. Tsaprounis. The deadline for paper submission is March 18, 2022. Please see <http://panhellenic-logic-symposium.org/13/> for further information.
- **Computability in Europe 2022** *July 11–15, 2022, Swansea, United Kingdom.* The 2022 meeting of the CiE series will be hosted by Swansea University, mainly as an in-person meeting. The invited speakers are E. Ábrahám, T. Coquand, D. Dzhamalov, L. de Mol, H. Friedman, and S. Selivanova, with tutorials to be offered by N. Greemberg and K. Lehtinen. Special sessions are planned in Computability of Blockchain Technology; Computing Language; Computing with Bio-Molecules; Constructive and Reverse Mathematics; Reachability Problems; and the Intersection of Computability with Mathematics. The Programme Committee is co-chaired by U. Berger and J. Franklin. February 4, 2022 is the deadline for abstracts of contributed submissions to be refereed, while abstracts of informal presentations are due by May 10, 2022. Further information is available at <https://cs.swansea.ac.uk/cie2022/>.
- **Unimod 2022** *July 18–August 5, 2022, Leeds, United Kingdom.* Unimod 2022 is a three-week programme hosted by the University of Leeds, focused on model theory. It will include an LMS Research School on model theory in the first week, the workshop *Practical and Structural Model Theory* in the second week, and an EMS Summer School on applications of model theory in the third week. Please see <https://conferences.leeds.ac.uk/unimod/> for further information.
- **European Set Theory** *August 29–September 2, 2022, Torino, Italy.* This meeting is planned in-person, and will include two tutorials and thirteen plenary talks on set theory and related areas, along with a special session celebrating the 60th birthday of B. Velickovic. The Program Committee includes J. Bagaria (chair), M. Gitik, P. Komjath, P. Koszmider, H. Mildenberger, L. Motto Ros, and J. Steel. The conference website is <http://logicgroup.altervista.org/torino/ESTC2022/index.html>.
- **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 deadline for registering abstracts of papers to be submitted is April 30, 2022, and the website for the conference is <https://wollic2022.github.io/>.
- **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. For further information, including a substantial list of speakers,

please see <https://sites.google.com/view/workshop-fmtmvlci/home>.

IN MEMORIAM

- **In memoriam: Don Pigozzi (1935-2021)**

It is with great sadness that we announce the death of Don Leonard Pigozzi on the evening of November 16, 2021, at the age of 86. He is primarily responsible for the explosion of interest in Abstract Algebraic Logic. Don's personal influence and graciousness touched colleagues worldwide. We will all miss our dear friend.

Don was born on June 27, 1935, in Oakland, California, the son of Leo Pigozzi Sr. and Hildegard Wagner Pigozzi. He attended Castlemont High School in Oakland and enrolled in U.C. Berkeley in 1953. He earned a B.S. in Physics in 1958, and after a stint in the armed forces, a Ph.D. in Mathematics in 1970. He spent two years as an assistant professor in Bloomington, Indiana, before moving to Iowa State University in 1971, where he remained for 31 years until his retirement in 2002.

Don's thesis advisor was Alfred Tarski. As a graduate student he made contributions to the monograph *Cylindric Algebras*, by Henkin, Monk, and Tarski, "in such abundance that any attempt to list them all would be utterly impractical." His dissertation, on the connections between interpolation theorems in logic and the amalgamation and congruence extension properties of cylindric algebras, occupies more than half of the second issue of *Algebra Universalis*. The problems it posed have only recently all been solved.

In 1988 Don and his colleagues organized a ground-breaking meeting, Algebraic Logic and Universal Algebra in Computer Science. For many years, Don collaborated with the ISU Computer Science Department on logic programming and software development.

Don published nearly 60 papers and co-edited four books. His most influential work was the 1989 monograph *Algebraizable Logics* with Willem Blok. The Festschrift *Don Pigozzi on Abstract Algebraic Logic, Universal Algebra, and Computer Science* was published in 2018 by Springer as part of their *Outstanding Contributions to Logic* series.

Don entertained a series of visitors in Ames who all found him to be a gracious host and energetic collaborator. Don's visits around world included Manitoba, Chicago, Barcelona, Krakow, Budapest, Siena, Lisbon, Yerevan, and Santiago.

Don was a member of St. Cecilia's Catholic Church in Ames and was an avid University of California football fan. Don is survived by his wife, Judy Casey, whom he married (at age 65) in 2000. After he retired from ISU, they moved to Don's childhood home in the Oakland hills.

Don Pigozzi was a very kind soul and will always be remembered as an inspiring and outstanding logician.

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/>.

The next newsletter will be mailed in April 2022. Items to be included should reach the Secretary-Treasurers or asl@uconn.edu by April 5, 2022.

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