NOTICES

- 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 ASL student member travel grants to ASL or ASL-sponsored meetings (other than the 2020 North American Annual Meeting, for which the deadline has passed, and the 2020 European Summer Meeting, for which details will be announced), applications and recommendations must be received at least three months prior to the start of the meeting, via email to asl@uconn.edu or at the ASL Business Office (address at the top of this Newsletter). Decisions will be communicated at least two months prior to the meeting.

- 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 above, and a report on each sponsored meeting subsequently appears in the *Bulletin of Symbolic Logic*. Meeting organizers who 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 `aslonline.org/meetings/sponsorship-of-meetings/`.

- 2019–2020 ASL WINTER MEETING (WITH JOINT MATHEMATICS MEETINGS). *January 17–18, 2020, Denver, Colorado.* This meeting will be held in conjunction with the Joint Mathematics Meetings taking place on January 15–18, 2020, with invited talks by C. Freer, V. Gitman, W. Holliday, A. Kechris, B. Rossman, M. Thomas, and L. Westrick. The members of the Program Committee are N. Dobrinen (chair), D. Haskell, and D. Roy. The Joint Mathematics Meetings program includes two joint AMS-ASL special sessions on January 15–16: *Choiceless Set Theory and Related Areas*, organized by P. Larson and J. Zapletal; and *Logic Facing Outward*, organized by K. Lange and R. Miller. K. Lange will also give an AMS-MAA Invited Address on January 15. A program for the ASL Winter Meeting is available at `aslonline.org/meeting/`.

- 2020 ASL NORTH AMERICAN ANNUAL MEETING. *March 25–28, 2020, Irvine, California.* Plenary talks will be given by J. Avigad, O. Ben-Neria, R. Dechter, H. J. Keisler, J. Kennedy, B. Monin, S. Müller, and A. Razborov. Additionally, J. Väänänen and A. Zamansky will present tutorials. Seven special sessions are planned, on the topics Finite model theory and descriptive complexity; Forcing and Ramsey theory; Logic and graph limits; Model theory; Philosophy and logic; Proof theory; and Reverse mathematics and computability theory of Ramsey-theoretic principles. The members of the Program Committee are L. Cohen, J. Cummings, D. Hirschfeldt (chair), P. Kolaitis, M. Malliaris, and T. Meadows. The Local Organizing Committee consists of M. Foreman, I. Goldbring (chair), P. Maddy, T. Meadows, K. Wehmeier and M. Zeman. More information can be found here: `https:// sites.uci.edu/asl2020/`.

- 2020 ASL Winter Meeting (with APA). *April 8–12, 2020, San Francisco, California.* This meeting will be held in conjunction with the Annual Meeting of the Pacific Division of the American Philosophical Association. The ASL invited speakers are A. Bacon, E. Cresto, R. French, M. Fusco, H. Lin, and S. Shieh. The members of the Program Committee are G. Russell, G. Sagi (chair), and S. Walsh. More information is available at `https://www.apaonline.org/events/event_list.asp?cid=6956`.

- 2020 ASL European Summer Meeting (Logic Colloquium). *July 13–17, 2020, Poznań, Poland.* This meeting will be hosted by Adam Mickiewicz University in Poznań. The members of the Program Committee are W. Buszkowski, A. Dawar, G. Primiero, M. Soskova, H. Towsner, M. Viale, and B. Zil'ber (chair). The Local Organizing Committee consists of W. Buszkowski, J. Golińska-Pilarek, L. Kołodziejczyk, P. Łupkowski, R. Murawski (cochair), M. Nasieniewski, J. Pogonowski, T. Skura, K. Świrydowicz, M. Urbański (cochair), and A. Wiśniewski.

- Rules for Abstracts. The rules for abstracts of contributed talks at the above ASL meetings (including those submitted "by title") may be found at `http://aslonline.org/meetings/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.

- Logical Foundations of Computer Science (LFCS 2020). *January 4–7, 2020, Deerfield Beach, Florida.* The LFCS series provides an outlet for the fast-growing body of work in the logical foundations of computer science, e.g., areas of fundamental theoretical logic related to computer science. The LFCS series began with Logic at Botik, Pereslavl-Zalessky, 1989 and was co-organized by Albert R. Meyer (MIT) and Michael Taitslin (Tver), after which organization passed to Anil Nerode. Members of the Steering Committee: A. Nerode (General Chair), S. Cook, D. van Dalen, Y. Matiyasevich, S. Buss, G. Sacks, A. Scedrov, and D. Scott. For more information regarding LFCS 2020, please visit `https://lfcs.ws.gc.cuny.edu/lfcs-2020/`. (ASL Sponsored Meeting.)

- Formal Methods in Mathematics / Lean Together 2020. *January 6–10, 2020, Carnegie Mellon University, Pittsburgh, Pennsylvania.* This meeting will focus on formal methods in pure and applied mathematics, including interactive theorem proving, automated reasoning, verification of symbolic and numeric computation, general mathematical infrastructure, and the Lean theorem prover. For more information, see `http://www.andrew.cmu.edu/user/avigad/meetings/fomm2020`.

- Days in Logic 2020. *January 30–February 1, 2020, Universidade de Lisboa, Lisbon, Portugal.* Days in Logic is a biennial general meeting in logic taking place in Portugal since 2004. Invited speakers include M. Dzamonja, P. Oliva, L. Tranchini, and C. Sernadas. Members of the organizing committee: F. Ferreira, G. Ferreira, and B. Dinis. For more information, see `http://dil2020.campus.ciencias.ulisboa.pt`.

- Graduate Student Conference in Logic (XXI). *April 18–19 2020, University of Notre Dame.* This annual conference is run for and organized by graduate students in logic. The speakers consist of graduate students from Midwestern universities. There is representation from computability theory, model theory, and set theory. For more information, visit `http://sites.nd.edu/gscl-2020/`.

- Ph.Ds in Logic XII. *April 27–29, 2020, Berlin, Germany.* Ph.D.s in Logic is an annual graduate conference organized by graduate students. The 2020 edition will be organized by local students from Berlin as well as students from Bochum and Munich. This interdisciplinary conference welcomes contributions to various topics in mathematical logic, philosophical logic, and logic in computer science. It usually involves tutorials (approximately 60–90 minutes) by established researchers as well as short presentations by Ph.D. students, master students and first-year postdocs on their research. Confirmed invited speakers include Peter Verdée, Christoph Benzmüller, Alexander Steen, and Marianna Antonutti. For further information, see `https://www.mi.fu-berlin.de/phdsinlogic2020/`. (ASL Sponsored Meeting.)

- ANTALYA ALGEBRA DAYS XXII. *Sirince, Izmir, Turkey, May 23–27, 2020.* 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: in 2020, for the 22nd meeting, the focus will be model theory. Topics will include model theory and also number theory, algebraic geometry, and ring and module theory. Invited speakers include: T. Altinel, J. Bell, Z. Chatzidakis, G. Conant, P. Cubides Kovacsics, G. Dill, M. Kamensky (tentative), K. Krupiński, A. Kwiatkowska, S. Moconja, D. Palacin, O. León Sánchez (tentative), and T. Xiang Zou. For further information, visit `https://nesinkoyleri.org/en/events/2020-antalya-algebra-days-xxii/`. (ASL Sponsored Meeting.)

- MODEL THEORY CONFERENCE in celebration of LUDOMIR NEWELSKI's 60TH BIRTHDAY. *Szklarska Poreba, Poland, June 22–26, 2020.* Confirmed speakers include: M. Bays, A. Berenstein, E. Bouscaren, J. Gismatullin, L. Haykazyan, E. Hrushovski, A. Ivanov, F. Jahnke, T. Kaiser, D. Macpherson, R. Moosa, L. Newelski, A. Pillay (tentatively), N. Ramsey, T. Rzepecki, P. Simon, P. Tanović, K. Tent, C. Terry, T. Tsankov, and F. Wagner. For more information, visit `http://www.math.uni.wroc.pl/~pkowa/ln20.html`. (ASL Sponsored Meeting.)

- COMPUTABILITY IN EUROPE 2020. *June 29–July 3, 2020, Salerno, Italy.* CiE 2020 will be hosted by the University of Salerno, at its Fisciano campus. The invited speakers are P. Boldi, V. Bruyère, E. Fokina, A. Pouly, A. Restivo, and D. Woods, with tutorials offered by V. Williams and M. Ziegler. The cochairs of the Program Committee are M. Anselmo and A. Pauly. The deadline for registering abstracts is January 3, 2020. Further information is available at `cie2020.wordpress.com`. (ASL Sponsored Meeting.)

- COMPUTABILITY, COMPLEXITY, AND RANDOMNESS 2020. *June 29–July 3, 2020, Cambridge, UK.* This year's edition of CCR will take place as a workshop at the Isaac Newton Institute at Cambridge University, organized by R. Downey, E. Mayordomo, and P. Shafer. It follows up on the 2012 programme at the INI entitled *Syntax and Semantics*: *A Legacy of Alan Turing*. A satellite meeting in Leeds is also planned, likely during the week of June 22. More information is available at `www.newton.ac.uk/event/sasw09`. (ASL Sponsored Meeting.)

- AUSTRALASIAN ASSOCIATION OF LOGIC ANNUAL CONFERENCE. *July 2–3, 2020, University of Sydney, Australia.* The Australasian Association of Logic has held Annual Conferences since 1965. This conference embraces all topics in logic (mathematical, philosophical, computational, etc.). For further information visit `http://www-personal.usyd.edu.au/~njjsmith/aal2020/`. (ASL Sponsored Meeting.)

- PRACTICAL AND STRUCTURAL MODEL THEORY ON THE OCCASION OF THE 60TH +/- BIRTHDAYS OF YA'ACOV PETERZIL AND SERGEI STARCHENKO. *July 27–31, 2020, University of Passau, Germany.* The scope of this conference will include: model theory of o-minimal structures, interactions and applications of o-minimality, model theoretic generalizations. The Organizing Committee consists of: P. Eleftheriou (University of Konstanz), A. Hasson (Ben-Gurion University), and T. Kaiser (University of Passau). Read about the list of confirmed speakers and more about the meeting here: `http://www.fim.uni-passau.de/index.php?id=24850&L=1`. (ASL Sponsored Meeting.)

- 27TH WORKSHOP ON LOGIC, LANGUAGE, INFORMATION, AND COMPUTATION 2020 (WoLLIC 2020). *August 4–7, 2020, Universidad de Ingenieria y Tecnologia, Lima, Peru.* WoLLIC is an annual international forum on interdisciplinary research involving formal logic, computing and programming theory, and natural language and reasoning. Contributions are invited on all pertinent subjects, with particular interest in cross-disciplinary topics. Typical but not exclusive areas of interest are: foundations of computing and programming; novel computation models and paradigms; broad notions of proof and belief; proof mining, type theory, effective learnability; formal methods in software and hardware development; logical approach to natural language and reasoning; logics of programs, actions and resources; foundational aspects of information organization, search, flow, sharing, and protection; foundations of mathematics; philosophy of mathematics; philosophical logic; philosophy of language. Articles must be submitted electronically at the WoLLIC 2020 EasyChair website;

see `http://wollic.org/wollic2020/instructions.html`. The initial deadline is March 29, 2020. The cochairs of the Program Committee are A. Silva and R. Wasserman. The Organizing Committee consists of E. Quadro-Vargas (local chair), A. G. de Oliveira, and R. de Queiroz (cochair). For further information, please visit `http://wollic.org/wollic2020/`. (ASL Sponsored Meeting.)

- CALL FOR PROPOSALS: 2021 AMS-ASL JOINT SPECIAL SESSION. The ASL Committee on Logic in North America seeks proposals for an AMS-ASL Joint Special Session to be held at the Joint Mathematics Meetings in Washington, DC, January 6–9, 2021. Proposals or requests for information should be sent to the Committee Chair, Natasha Dobrinen (natasha.dobrinen@du.edu). The deadline for receipt of proposals is January 8, 2020.

- PH.D. ABSTRACTS IN LOGIC NOW PUBLISHED IN THE BULLETIN OF SYMBOLIC LOGIC. In 2018 the *Bulletin of Symbolic Logic* began publishing abstracts of Ph.D. thesis in logic. Christian Rosendal is the editor for this section of the *BSL*. Further information is available at `http://aslonline.org/journals/the-bulletin-of-symbolic-logic/logic-thesis-abstracts-in-the-bulletin-of-symbolic-logic/`.

- DISCOUNTED DUES FOR NEW ASL INDIVIDUAL MEMBERS. The ASL offers a 50% discount on dues for new individual members during each of the first two years of membership. Visit `http://aslonline.org/membership/individual-membership/` for more information.

- 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 includes Brazil, Bulgaria, Colombia, India, Iran, South Africa, and other countries classified as "upper middle income" or below on the World Bank's annual list for four of the last five years. To apply, please send an email to the ASL Committee on Membership at asl-membership@googlegroups.com. Include your name, full mailing address, and your academic affiliation. For information about the ASL and membership benefits, visit `http://aslonline.org/membership/individual-membership/`. After the initial two-year period new members under this program will pay the reduced membership dues, currently at US$18, as long as their country of residence is on the ASL's list of developing economies. (The most recent list is available at `http://aslonline.org/membership/outreach-memberships/world-bank-list-as-of-october-2018-for-2019-memberships/`.)

- 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 2020 are US$51. 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/individual-asl-membership/`.

- REDUCED DUES FOR INDIVIDUALS AND INSTITUTIONS IN DEVELOPING ECONOMIES. The ASL offers reduced dues for individuals and institutions in developing economies. For 2020, the reduced dues are US$18 for individuals and US$130 for institutional basic membership, US$180 for full membership. These dues apply to individuals and institutions residing 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 `http://aslonline.org/membership/institutional-membership/` or contact the ASL Business Office: ASL, Department of Mathematics, University of Connecticut, 341 Mansfield Road, U-1009, Storrs, CT 06269-1009, USA. Tel: 1-860-486-3989; Fax: 1-860-486-4238; email: asl@uconn.edu.

- New ASL Books. To see new books in the ASL's *Lecture Notes in Logic* and *Perspectives in Logic* series, visit `http://aslonline.org/books/lecture-notes-in-logic/` for LNL volumes and `http://aslonline.org/books/perspectives-in-logic/` for Perspectives volumes.

- Book and Journal Discounts for ASL Members. Several publishers offer discounts on books and journals to ASL members. For a detailed description of these discounts, see `http://aslonline.org/books/book-discounts-for-asl-members/`, or write to the ASL Business Office.

- Member Directory. To create space for publishing abstracts of Ph.D. thesis in logic, the member directory will no longer be published in the *Bulletin of Symbolic Logic*. The member directory is still available online at `https://aslonline.org/membership/`.