

NOTICES

- **THE 2019 ASL ELECTION.** In the 2019 election, the members of the ASL elected Russell Miller (Queens College, CUNY) and Reed Solomon (University of Connecticut) as Co-Secretary-Treasurers; Anuj Dawar (Cambridge) and Paola D'Aquino (Campania) to the Executive Committee; and Ralf Schindler (Münster) and Keita Yokoyama (JAIST) to the ASL Council. All terms are for 3 years beginning January 1, 2020. The updated ASL Governance Roster appeared in the BSL Notices of December 2019.
- **2019 SACKS PRIZE.** The ASL Committee on Prizes and Awards has selected Gabriel Goldberg of Harvard University to receive the 2019 Sacks Prize. The prize consists of a cash award and 5 years membership in the ASL. Goldberg received his Ph.D. in 2019 at Harvard University under the supervision of W. Hugh Woodin. In his thesis, *The Ultrapower Axiom*, he isolates and develops a powerful new structural hypothesis for inner models of set theory. The Ultrapower Axiom holds in all inner models built using the current methodology. On the other hand, Goldberg shows it has sweeping structural consequences: the linearity of the Mitchell order on countably complete ultrafilters, a characterization of strong compactness in terms of supercompactness, and GCH above a strongly compact cardinal. The Prize Committee noted the transformational quality of Goldberg's thesis work within the Inner Model Program.
- **2020 SACKS PRIZE.** The ASL invites nominations for the 2020 Sacks Prize for the most outstanding doctoral dissertation in mathematical logic. Nominations must be received by September 30, 2020. 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 5 years free membership in the ASL. For general information about the Prize, please visit <http://aslonline.org/asl-information/prizes-and-awards/>. Anyone who wishes to make a nomination for the 2020 Sacks Prize should consult the webpage <http://aslonline.org/asl-information/prizes-and-awards/sacks-prize-recipient/sacks-prize-nominations-and-other-information/> for the precise details.

Students who defend their dissertations (equivalent to the American doctoral dissertation) between October 1, 2019 and September 30, 2020 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 adviser, 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 adviser, an electronic copy of the thesis in pdf form, or the address of a website from which an electronic copy in pdf form can be downloaded, and an independent second letter of recommendation. Nominations and questions about the Prize should be sent to the Committee Chair, Justin Moore; pdf files sent as attachments by email to justin@math.cornell.edu are preferred. The form of such letters and other pertinent details can be found at the website above, and need to be read prior to submitting a nomination.

Those wishing to contribute to the Sacks Prize Fund may send contributions to the ASL Business Office (ASL, Department of Mathematics, University of Connecticut, 341

Mansfield Road, U-1009, Storrs, CT 06269-1009, USA). All such contributions are tax-deductible within the USA.

- **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 appear at <https://lc2020.pl/>), applications and recommendations must be received at least 3 months prior to the start of the meeting, via email to asl@uconn.edu or at the ASL Business Office. Decisions will be communicated at least 2 months prior to the meeting. Meetings sponsored by the ASL are identified as such in the listings below.

- **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 6 months before the beginning of the meeting, following the instructions at aslonline.org/meetings/sponsorship-of-meetings/.
- **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, H. Pastén, 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. The meeting website is <https://sites.uci.edu/asl2020/>.

- **2020 ASL WINTER MEETING (WITH APA).** *April 8–11, 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/eventlist.asp?cid=6956>.
- **2020 ASL EUROPEAN SUMMER MEETING (LOGIC COLLOQUIUM).** *July 13–18, 2020, Poznań, Poland.* This meeting will be hosted by Adam Mickiewicz University in Poznań, and organized by the AMU Faculty of Psychology and Cognitive Science and the AMU Faculty of Mathematics and Computer Science. The 2020 Gödel Lecture will be delivered by E. Bouscaren. The other plenary speakers are A. Chernikov, V. Fischer, N. Greenberg, B. Monin, L. Motto Ros, E. Pimentel, F. Pfenning, J. van Benthem, L. Westrick, and

R. Williams. Tutorials will be offered by K. Krupinski and A. Marks. There will be special sessions on Computability; Logic and Cognitive Science and Linguistics; Modal and Epistemic Logic; Model Theory; Proofs and Programs; and Set Theory.

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 (co-chair), M. Nasieniewski, J. Pogonowski, T. Skura, K. Świrydowicz, M. Urbański (co-chair), and A. Wiśniewski. The deadline for submitting abstracts of contributed talks is March 31, 2020; abstracts should satisfy the ASL's *Rules for Abstracts* (below). Applications for travel funding for students and recent Ph.D.'s are due by April 13, 2020. Registration is now open at <https://lc2020.pl/>.

- **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.
- **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/gsc1-2020/>.
- **MAMLS SPRING FLING.** *April 22–24, 2020, City University of New York.* This meeting of the Mid-Atlantic Mathematical Logic Seminar, at the CUNY Graduate Center in New York City, will focus on set theory. Confirmed speakers include A. Brooke-Taylor, A. Enayat, V. Fischer, M. Gitik, E. Schimmerling, P. Schlicht, B. Velickovic, and K. Williams. The local organizers are G. Fuchs, V. Gitman, and C. Switzer. Some travel support is available for students, using MAMLS funding from the National Science Foundation: see <https://nylogic.github.io/MAMLSSpringFling/home.html> for details.
- **PHDs 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: P. Verdée, C. Benz Müller, A. Steen, and M. Antonutti. For further information, see <https://www.mi.fu-berlin.de/phdsinlogic2020/>. (ASL Sponsored Meeting.)
- **ANTALYA ALGEBRA DAYS XXII.** *May 23–27, 2020, Sirince, 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: 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. Confirmed speakers include T. Altinel, J. Bell, Z. Chatzidakis, G. Conant, P. Cubides Kovacsics, T. O. Çelik, G. Dill, K. Krupiński, A. Kwiatkowska, S. Moconja, D. Palacin, O. León Sánchez, E. A. Yazici, and T. Xiang Zou. For more information: <https://nesinkoyleri.org/en/events/2020-antalya-algebra-days-xxii/>. (ASL Sponsored Meeting.)
- **MODEL THEORY AND APPLICATIONS.** *June 1–5, 2020, Cetraro, Italy.* This meeting will present an overview of recent developments in model theory and its applications. It will include tutorials by I. Farah and K. Peterzil, and talks by M. Bays, A. Chernikov, A. Fornasiero, N. Hempel, M. Hils, T. Ibarlucía, K. Krupinski, F. Point, N. Ramsey, C. Rosendal, P. Simon, K. Tent, F. Wagner, and A. Zucker. The organizers are I. Ben Yaacov, P.

- D'Aquino, S. Starchenko, and T. Tsankov. Website: <http://www.matfis.unicampania.it/home-model-theory>. (ASL Sponsored Meeting.)
- **MODEL THEORY: FROM GEOMETRIC STABILITY TO TAME GEOMETRY.** *June 8–12, 2020, Luminy, France.* This conference will take place at the CIRM in Luminy. The Scientific Committee comprises E. Bouscaren, A. Ducros, D. Macpherson, and T. Scanlon, while the Organizing Committee is made up of A. Hasson, S. Rideau-Kikuchi, and F. Wagner. The website is <https://conferences.cirm-math.fr/2173.html>. (ASL Sponsored Meeting.)
 - **BOISE EXTRAVAGANZA IN SET THEORY.** *June 17–18, 2020, Ashland, OR.* The 2020 BEST conference will take place on the campus of Southern Oregon University, and will feature talks on a broad range of recent advances in research in set theory, logic, and related fields. The plenary speakers are D. Fernández-Bretón, V. Gitman, J. L. Goh, L. Yengulalp, and J. Zielinski. The conference is organized by the Set Theory and Logic group at Boise State University and is structured as a symposium of the annual meeting of the AAAS, Pacific Division. BEST particularly aims to support the careers of young researchers, and funding is available thanks to the NSF; see <https://www.boisestate.edu/math/best/>.
 - **MODEL THEORY CONFERENCE IN CELEBRATION OF LUDOMIR NEWELSKI'S 60TH BIRTHDAY.** *June 22–26, 2020, Szklarska Poreba, Poland.* 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.)
 - **LEEDS COMPUTABILITY DAYS.** *June 24–26, 2020, University of Leeds.* This will be a satellite meeting of the CCR meeting in Cambridge the following week (see below), featuring talks by R. Alvir, A. Bard, G. Barmpalias, V. Brattka, P. Cholak, D. Dzhafarov, M. Fernández, M. Fiori Carones, J. Knight, S. Lempp, A. Melnikov, K. Miyabe, A. Montalbán, L. Patey, M. Soskova, and W. Wang. The organizers are R. Downey, E. Mayordomo, and P. Shafer. For further information, please visit www.computability.org/LCD2020/. (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*, with a focus on algorithmic randomness, computability in analysis, Kolmogorov and computational complexity, and reverse mathematics. The deadline for application and abstract submission is March 29, 2020. More information is available at www.newton.ac.uk/event/sasw09. (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 co-chairs 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.)
 - **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/~njsmith/aal2020/>. (ASL Sponsored Meeting.)
 - **SÃO PAULO SCHOOL OF ADVANCED SCIENCE ON CONTEMPORARY LOGIC, RATIONALITY, AND INFORMATION.** *July 13–24, 2020, University of Campinas, Brazil.* This School, funded by São Paulo Research Foundation (FAPESP), celebrates the 90th anniversary of Newton da Costa and will provide an overview of the state-of-art methodology and research on contemporary logic, rationality, and information, with a focus on nonclassical logics. The

program comprises nine courses and nine plenary talks delivered in English by experts in each topic, as well as oral presentations and poster sessions by the students. Topics include the history, philosophy, and different schools of paraconsistent logic; logic in relation to reasoning, to information, to argumentation, and to probability and artificial intelligence; and methodological aspects of interpreting, translating, and combining logics. The Coordinator is I. M. Loffredo, and the Advisory Committee Chair is W. Carnielli. Further information is available at <https://splogic.org>.

- 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. Papers 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 co-chairs 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 (co-chair). For further information, please visit <http://wollic.org/wollic2020/>. (ASL Sponsored Meeting.)
- NORTHEAST REGIONAL MODEL THEORY DAYS. *August 7–9, 2020, College Park, Maryland*. This model theory meeting will take place on the campus of the University of Maryland. The local organizers are A. Dolich, V. Guingona, D. Kueker, and M. Parnes. Student funding from the NSF will be available from the organizers and through the Mid-Atlantic Mathematical Logic Seminar. The meeting website will be at <https://www-math.umd.edu/research/conferences.html>.
- 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. theses 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 2 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 2-year free membership in the Association for new and lapsed members from countries classified as developing economies. The list includes Brazil, Bulgaria, Colombia, India, South Africa, and other countries classified as “upper middle income” or below on the World Bank’s annual list for four of the last 5 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 2-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/world-bank-list-as-of-october-2019-for-2020-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-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 5 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/membership/member-services-and-resources/>, or write to the ASL Business Office.
- **MEMBER DIRECTORY.** To create space for publishing abstracts of Ph.D. theses 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/>.