2019 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 2019 Prizes is November 1, 2019.

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/.

2019 Sacks Prize. The ASL invites nominations for the 2019 Sacks Prize for the most outstanding doctoral dissertation in mathematical logic. Nominations must be received by September 30, 2019. The Sacks Prize was established to honor 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/asl-information/prizes-and-awards/.

Students who defend their dissertations (equivalent to the American doctoral dissertation) between October 1, 2018, and September 30, 2019, 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. Correspondence should be addressed to Justin Moore, Dept. of Mathematics, 310 Malott Hall, Cornell University, Ithaca, NY 14853, USA.

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.

Mailing of Journals. To improve punctuality, Cambridge University Press has switched to a system of mailing the Journal of Symbolic Logic and the Bulletin of Symbolic Logic separately. In many quarters this will allow one to be dispatched several weeks earlier, while the other is still in production. The Review of Symbolic Logic will continue to be mailed separately from both of the others. The new system will not incur any additional cost to the ASL or its members.
**Student Travel Awards:** The 2019 ASL European Summer Meeting and other ASL or ASL-Sponsored Meetings. The ASL will make available modest travel awards to graduate students and recent PhD’s in logic so that they may attend the 2019 European Summer Meeting (the “Logic Colloquium”) in Prague, Czech Republic. Student members of the ASL may apply for travel grants to other ASL or 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. In addition to funds provided by the ASL, the program of travel grants is supported by a grant from the US National Science Foundation; NSF funds for meetings outside of North America may be awarded only to students at USA universities and to citizens and permanent residents of the USA. Air travel paid for using NSF funds must be in accordance with the Fly America Act. Application by email is encouraged; put “ASL travel application” in the subject line of your message.

For the 2019 Logic Colloquium, applications and recommendations should be sent by email before the deadline of April 15, 2019 to support@lc2019.cz. Details appear at https://www.lc2019.cz/support.

For ASL student member travel grants to ASL or ASL-sponsored meetings (other than the North American Annual Meeting, for which the deadline has passed, and the European Summer Meeting), 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.

**2019 ASL North American Annual Meeting.** May 20–23, 2019, New York, New York. This meeting will be held at the CUNY Graduate Center in New York City. The invited speakers are S. Buss (delivering the Gödel Lecture), D. Bartošová, V. Fischer, L. Fortnow, D. Haskell, R. Iemhoff, J.P. Marquis, R. Patel, and M. Sokolova, with a tutorial by J. Lutz. Special sessions will be held in Computability Theory; Logic and Philosophy; Model Theory; Proof Complexity; Proof Theory: Justification Logic; and Set Theory. Program Committee: S. Buss, J. Franklin, W. Holliiday (chair), E. Landry, A. Marks and J. Nagloo. Organizing Committee: E. Antonakos (co-chair), S. Artemov, A. Dolich, S. Friedman (co-chair), G. Fuchs, and J. Hamkins. The complete program for this meeting is included as a pdf attachment for those receiving this Newsletter via email, and is available at http://aslonline.org/meetings/. For further information visit http://asl2019.commons.gc.cuny.edu/.

The 38th Weak Arithmetics Days (see below) will take place the following week in the same location.

**Sixteenth Asian Logic Conference (ALC). June 17–21, 2019, Nazarbayev University, Astana, Kazakhstan.** The invited speakers include S. Badaev, N. Bazhenov, Q. Feng, S. Fuchino, B. Kim, T. Kihara, B. Kulpeshov, D. Kuske, D. Macpherson, A. Pietarinen, T. Usuba and S. Zhiwei. Special sessions will be held in Computability Theory, Model Theory, Set Theory, Logic in Computer Science and Philosophical Logic. The members of the Local Organizing Committee are M. Mustafa and V. Tourassis. The members of the Program Committee are B. Baizhanov, J. Brendle, S.S. Goncharov (chair), G. Wu, K. Ikeda, B. Khousainov, A. Morozov, H. Ono, Y. Yang and L. Yu. For further information, visit http://www.alc2019.kz or email alc2019@nu.edu.kz.

**2019 European Summer Meeting (Logic Colloquium '19). August 11-16, 2019, Prague, Czech Republic.** The invited speakers are S. Abramsky, Z. Chatzidakis, V. de Risi, O. Guzman, M. Harrison-Trainor, U. Kohlenbach (giving the Retiring Presidential Address), J. Krájíček, G. Sagi, T. Scanlon, R. Verbrugge, and M. Ziegler, and tutorials will be given by D. Raghavan and M. Rathjen. Special sessions will be held on Computability; Foundations of Geometry; Model Theory; Proof Theory and Proof Complexity; Reflection Principles and Modal Logic; and Set Theory. The members of the Program Committee are A. Arana, L. Beklemishev (chair), A. Ciabattoni, R. Müller, M. Otto, P. Pudlák, S. Todorčević, and A. Wilkie. The members of the Local Organizing Committee are D. Chodounský (co-chair), P. Cintula, R. Honzík, J. Hubička, P. Pudlák, J. Starý, N. Thapen,
and J. Verner (co-chair). For further information please visit https://www.lc2019.cz/. This meeting is co-located with the 16th CLMPST (see below, under Other Meetings), with a public lecture by H. Leitgeb, jointly sponsored by the two meetings, on August 11, 2019.

Abstracts of contributed talks submitted by ASL members will be published in *The Bulletin of Symbolic Logic* if they satisfy the Rules for Abstracts (see below). Abstracts must be submitted by email to abstracts@lc2019.cz by April 30, 2019, following the details given at https://www.lc2019.cz/program.

**18th Simposio Latino Americano de Lógica Matemática (SLALM 2019)** December 16-20, 2019, Universidad de Concepción, Chile. The SLALM was conceived in the late 1960s by Abraham Robinson, who at the time was President of the ASL. It brings together the community of researchers in logic in Latin America and is nourished by the crucial participation of researchers from around the world. The 18th SLALM (Latin American Symposium on Mathematical Logic 2019) will take place at the Universidad de Concepción in Chile, with plenary speakers including P. Barcelo, M. Busaniche, Z. Chatzidakis, M. Hrusak, E. Pimentel, C. Rojas, and H. Towsner. The Program Committee consists of A. Berenstein (chair), M. Busaniche, D. Figueira, Ll. Godo, C. Gutiérrez, J. Lopez-Abad, A. Macintyre, C. Martinez-Ranero, A. Montalbán, S. Montenegro, N. Olivetti, T. Slaman, and B. Ziliani. Members of the Organizing Committee are S. Briceno, A. Gajardo, C. A. Martinez-Ranero, M. A. Rodriguez, J. Utreras, and X. Vidaux. The conference website is http://slalmxviii.udec.cl.


**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/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.

### ASL SPONSORED MEETINGS

**Eleventh PhDs in Logic Conference.** April 24–26, 2019, Mathematical Institute of the University of Bern, Switzerland. This interdisciplinary conference is organized by graduate students and aims to involve graduate students and early postdocs from all over the world. The conference accepts contributions from topics in mathematical logic, philosophical logic, and logic in computer science. It includes tutorials by established researchers as well as short presentations by PhD students, master students, and early postdocs. The organizers are A. Colacito, E. Lehmann, N. Savi, O. Tuyt and A. Novaro. Visit https://mathsites.unibe.ch/phdlogic2019/ for more information. (ASL Sponsored Meeting.)

**Caleidoscope (Complexity as a Kaleidoscope)** June 17-21, 2019, Paris, France. This research school will take place at the Institut Henri Poincaré (IHP) in Paris, France. While the school’s main topic is computational complexity, it aims at creating interactions between logic-based approaches and more traditional methods. Among the four main lectures, two are dedicated to logical methods (one on proof complexity, and one on “machine-free complexity”), while the others introduce standard topics in computational complexity. Confirmed speakers include R. Santhanam, P. Burgisser, S. Buss, A. Dawar, U. dal Lago, S. Laplante, L. Barto, and D. Petrisan. Organizing Committee: A. Das, A. Durand, D. Mazza, and T. Seiller. (ASL Sponsored Meeting.)

**34th Annual ACM/IEEE Symposium on Logic in Computer Science (LICS)** June 24-27, 2019, Vancouver, Canada. The LICS Symposium is an annual international forum on theoretical and practical topics in computer science that relate to logic, broadly construed. It will take place June 24-27, 2019 with affiliated workshops happening June 22-23, 2019. Invited speakers include: A. Bulatov, D. Petrisan, N. Schweikardt, P. Selinger, and J. Worrell. Early registration deadline is April 22, 2019. Find more information here: https://lics.siglog.org/lics19/. (ASL Sponsored Meeting.)

Calendar of sponsored meetings continued on reverse side
• **2019 Panhellenic Logic Symposium** *June 26-30, 2019, Anogeia, Crete, Greece.* This 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. The PLS has evolved into an international forum for the communication of state-of-the-art advances in logic. The symposium is open to researchers worldwide who work in logic, broadly conceived. The program of the twelfth PLS includes nine invited speakers in computability, model theory, descriptive set theory, logic in computer science and philosophy of logic. For further information, visit [http://panhellenic-logic-symposium.org/](http://panhellenic-logic-symposium.org/). (ASL Sponsored Meeting.)

• **Advanced Class in Set Theory (Young Set Theory Workshop 2019)** *June 26-29, 2019, Vienna, Austria.* This class will feature tutorial sessions by leading scientists and research talks by early career researchers. The confirmed tutorial speakers are: J. Brendle, J. Moore, A. Kechris, S. Solecki, M. Viale and H. Woodin. The Organizing and Program Committees consist of V. Fischer, S.D. Friedman and B. Miller. Further information can be found at [https://sites.google.com/view/estc2019](https://sites.google.com/view/estc2019). (ASL Sponsored Meeting.)

• **7th European Set Theory Conference** *July 1-5, 2019, Vienna, Austria.* The conference will feature the presentation of the Hausdorff Medal, an initiative of the European Set Theory Society. The currently confirmed speakers are J. Brendle, M. Damronja, M. Gitik, A. Kechris, P. Koszmider, M. Malliaris, J. Moore, D. Sinapova, S. Solecki, B. Tsaban, A. Tserunyan and M. Viale. The committees and website are identical to those for the co-located Advanced Class (see directly above) the preceding week. (ASL Sponsored Meeting.)

• **26th Workshop on Logic, Language, Information, and Computation (WoLLIC 2019)** *July 2-5, 2019, Utrecht University, Utrecht, The Netherlands.* WoLLIC is an annual international forum on inter-disciplinary research involving formal logic, computing and programming theory, and natural language and reasoning. Each meeting includes invited talks and tutorials as well as contributed papers. Papers must be submitted electronically via EasyChair; see [http://wollic.org/wollic2019/instructions.html](http://wollic.org/wollic2019/instructions.html) for instructions and deadlines. Program Committee Members: R. Bernardi, N. Bezhanishvili, G. Greco, P. de Groote, R. Iemhoff (Co-Chair), R. Maieli, M. Moortgat (Co-Chair), R. Moot, L. Moss, S. Negri, C. Nicolai, V. de Paiva, A. Palmigiano, R. de Queiroz, Y. Venema, and F. Yang. Organizing Committee Members: G. Greco (Local Co-Chair), A. G. de Oliveira, R. de Queiroz (Co-Chair). For further information, contact one of the Co-Chairs of the Organising Committee or visit the website: [http://wollic.org/wollic2019/](http://wollic.org/wollic2019/). (ASL Sponsored Meeting.)

• **Sixteenth International Conference on Computability and Complexity in Analysis (CCA 2019)** *July 8-11, 2019, Zagreb, Croatia.* The conference is concerned with the theory of computability and complexity over real-valued data. The topics of interest include foundational work on various models and approaches for describing computability and complexity over the real numbers. They also include complexity-theoretic investigations and new implementations of exact real arithmetic, as well as further developments of already existing software packages. Invited speakers include: H. Diener (Christchurch, New Zealand), J. Duparc (Lausanne, Switzerland), H. Férey (Kent, UK), G. Gherardi (Bologna, Italy), B. Kapron (Victoria, Canada), J. Ouaknine (Saarbrücken, Germany), and S. Selivanova (Daejeon, Republic of Korea and Novosibirsk, Russia). Learn more here: [http://cca-net.de/cca2019/](http://cca-net.de/cca2019/). (ASL Sponsored Meeting.)

• **Computability in Europe (CiE 2019)** *July 15–19, 2019, Durham, UK.* The *Computability in Europe* conference series focuses on new developments in computability and their underlying significance for the real world. This will be the fifteenth annual meeting of the series. The invited speakers include F. Cucker, U. Martin, A. Schönthult, S. Smets, and L.B. Westrick, with tutorials given by M. Holzer and A. Mahboubi. Topics of special sessions are *Probabilistic programming and higher-order computation; Transfinite computations; History and philosophy of computing; Smoothed and probabilistic analysis of algorithms; Computational neuroscience; and Lowness notions in computability;* and a workshop will be held on *Women in computability.* For further information, visit [https://community.dur.ac.uk/cie.2019/](https://community.dur.ac.uk/cie.2019/). (ASL Sponsored Meeting.)

Calendar of sponsored meetings continued on separate sheet
• Workshop in Computability Theory July 22-23, 2019, Leeds, UK. The WCT series consists of short satellite workshops that are meant to provide a relaxed environment for specialists in all areas of computability to give full length talks on their recent work. The 2019 edition will be the week after the 2019 C.i.E. meeting (see above). As usual, the WCT tries to attract a very diverse list of speakers, including many students. The organizing committee consists of D. Dzhafarov, A. Lewis, A. Montalbán, P. Shafer, and M. Soskova (Chair). The invited speakers are G. Barmpalias, D. Fernández-Duque, J. Franklin, E. Frittaion, J.L. Goh, J. Knight, A. Marcone, E. Mayordomo, E. McCarthy, R. Miller, S. Ouazzani, A. Pauly, D. Rossegger, M. Yamaleev, and K. Yokoyama. For further information, see http://computability.org/wct/wctleeds/index.html. (ASL Sponsored Meeting.)

• Hilbert-Bernays Summer School July 21-27, 2019, University of Tübingen, Germany. The summer school is addressed to students of the subjects mathematics, philosophy and computer science, preferably undergraduate students in their final year and graduate students. Confirmed invited speakers include: G. Jäger (Bern), W. Küchlin (Tübingen), K. Mainzer (Munich), and R. Kahle (Lisbon/Tübingen). (ASL Sponsored Meeting.)

• European Summer School in Logic, Language, and Information (ESSLLI 2019) August 5–16, 2019, Riga, Latvia. The Program Committee for the 31st ESSLLI includes L. McNally (chair) and J. Škiltys (local co-chair). The Organizing Committee is chaired by J. Borzovs and co-chaired by L. Zariņa. For more information visit http://esslli2019.folli.info/ or write to esslli2019@lu.lv. (ASL Sponsored Meeting.)

• 27th International Conference on Automated Deduction August 25-30, 2019, UFRN, Natal, Brazil. The Conference on Automated Deduction (CADE) is an international forum at which research on all aspects of automated deduction is presented. CADE-27 will take place at the Universidade Federal do Rio Grande do Norte (UFRN) in Natal. The conference program includes invited talks, paper presentations, workshops, tutorials, and system competitions. The Herbrand Award for Distinguished Contributions to Automated Deduction and the new Skolem Award(s) for influential historical CADE papers will be presented at the conference. For more information, visit http://www.cade-27.info/. (ASL Sponsored Meeting.)

• FroCoS/TABLEAUX/ARW 2019 September 2-6, 2019, Middlesex University, London, UK. This is a collaborative conference, consisting of three events. FroCoS (Frontiers of Combining Systems) is an event for research on the development of techniques and methods for the combination and integration of formal systems, their modularization and analysis. TABLEAUX (28th International Conference on Automated Reasoning with Analytic Tableaux and Related Methods) is a conference at which research on all aspects of the mechanization of tableaux-based reasoning and related methods is presented. ARW is a long-standing UK-based workshop, covering the full breadth and diversity of automated reasoning. The websites are https://frocos2019.org, https://tableaux2019.org, and http://arw.csc.liv.ac.uk. (ASL Sponsored Meeting.)

• Circularity in Syntax and Semantics (CiSS 2019) November 20-23, 2019, University of Gothenburg, Sweden. The conference is dedicated to aspects of circularity and ill-foundedness in formal methods. The aim is to gather together researchers who study or/and utilise these phenomena from different perspectives such as provability, formal reasoning, construction, computation and complexity. As well as invited speakers there will be sessions for contributed talks. Invited speakers include J. van Benthem (Amsterdam), M. Dam (KTH), A. Doumane (Lyon & Warsaw), H. Hvid Hansen (TU Delf), P. Mellies (Paris), and S. Negri (Helsinki). Programme Committee: B. Afshari (co-chair), D. Baelde, A. Das, V. Goranko, G. Leigh Gothenburg (co-chair), A. Saurin, and Y. Venema. Contact for inquiries: bahareh.afshari@gu.se. For more information, visit: http://www.cse.chalmers.se/~bahafs/ciss2019/. (ASL Sponsored Meeting.)

• Carlos di Prisco Birthday Meeting November 27-29, 2019, Universidad de Los Andes, Bogotá, Colombia. Carlos di Prisco, who has been a supporter of the ASL’s activities for many years, will turn 70 years old in October 2019. This conference is held in honor of his life and work. It is intended for a wide audience, especially for students, but will also include the participation of mathematicians who have worked with Carlos and are close to him. Invited speakers include J. Bagaria, C. Brech, J. López-Abad, N. Dobrinen, A. Arias, and X. Caicedo. Members of the Organizing Committee: A. Villaveces, C. Uzcátegui and J. Mijares. (ASL Sponsored Meeting.)
• **Higher Recursion Theory and Set Theory** May 20–June 14, 2019, Singapore. The Institute for Mathematical Sciences, National University of Singapore, will host this program, organized by J. Cummings, A. Marks, Y. Yang, and L. Yu. It will focus on the part of recursion theory that studies subsets of the natural numbers beyond arithmetical sets, and the theory of computability or definability on domains beyond the set of natural numbers, including Martin’s conjecture and higher randomness. In set theory, it will concern topics that have close connections with definability, such as Woodin’s program on ultimate $L$, the HOD conjecture, and descriptive inner model theory. This program also marks the 65th birthdays of Ted Slaman and Hugh Woodin, which occur in 2019 and 2020. For more information, visit [https://ims.nus.edu.sg/events/2019/recur/index.php](https://ims.nus.edu.sg/events/2019/recur/index.php).

• **Journées sur les Arithmétiques Faibles (Weak Arithmetics Days)** May 28–30, 2019, New York, New York. The 38th JAF will take place at the Graduate Center of CUNY, the week following the ASL Annual Meeting in the same location, with sponsorship by the Mid-Atlantic Mathematical Logic Seminar. The invited speakers are G. Conant, D. Dzhafarov, M. Kaufmann, R. Miller, and A. Sheydvasser. The conference is organized by P. Cegielski, A. Dolich, and R. Kossak. The conference website: [https://jaf2019nyc.com](https://jaf2019nyc.com).


• **Boise Extravaganza in Set Theory (BEST) 2019** June 19-21, 2019, Southern Oregon University, Ashland, Oregon, USA. BEST is an international conference featuring talks on a broad range of recent advances in set theory. It particularly aims to support the careers of young researchers in set theory. The conference is organized by the Set Theory group at Boise State University. Organizers: L. Babinkostova, J. Clemens, S. Coskey, M. Scheepers. Scientific Committee: N. Dobrinen, S. Thomas. Web site: [https://math.boisestate.edu/best/](https://math.boisestate.edu/best/).


• **The 2019 Logic Summer School** July 1–19, 2019, Singapore. The Summer School is organized by the Institute for Mathematical Sciences, National University of Singapore, and is intended to bridge the gap between a general graduate education in mathematical logic and the specific preparation necessary to do research on problems of current interest in the subject. Lectures will be given by A. Macintyre, T. Slaman and H. Woodin. More information, including registration and application, is available at the following link: [https://ims.nus.edu.sg/events/2019/logicss/index.php](https://ims.nus.edu.sg/events/2019/logicss/index.php).

• **Congress of Logic, Methodology and Philosophy of Science and Technology (16th CLMPST)** August 5–10, 2019, Prague, Czech Republic. The 16th CLMPST will take place in Prague, August 5-10, 2019, organized under the auspices of the Division for Logic, Methodology and Philosophy of Science and Technology of the International Union for History and Philosophy of Science and Technology (DLM PST/IUH PST) by the Institute of Philosophy of the Czech Academy of Sciences. The conference website is [http://clmpst2019.flu.cas.cz/](http://clmpst2019.flu.cas.cz/).

This meeting is co-located with the 2019 Logic Colloquium (see above, under ASL Meetings), and there will be a public lecture by H. Leitgeb, jointly sponsored by the two meetings, on August 11, 2019.

The next newsletter will be mailed in September 2019. Items to be included should reach the Secretary-Treasurers before August 20, 2019.

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