ASL NEWSLETTER April 2018

• 2018 Karp Prize to be Awarded at the 2018 North American Annual Meeting. The ninth Carol Karp Prize is to be jointly awarded to Matthias Aschenbrenner, Lou van den Dries, and Joris van der Hoeven for their work in model theory, especially on asymptotic differential algebra and the model theory of transseries. The prize will be awarded at the ASL North American Annual Meeting in May. The Karp Prize, established in 1973 in memory of Professor Carol Karp, is awarded every five years. The award is made by the Association, on the recommendation of the ASL Committee on Prizes and Awards, for a “connected body of research, most of which has been completed in the time since the previous prize was awarded.” The winners will share a $5,000 cash award. A Lecture on the prize-winning work will be delivered at the award ceremony.

• ASL Secretary-Treasurer and Office Transition. Charles Steinhorn will step down as ASL Secretary-Treasurer on May 31, 2018. The ASL administrator, Fran Whitney, is retiring at the end of April 2018. The ASL Council has approved the appointment of Russell Miller (CUNY) and Reed Solomon (Storrs) to share the Secretary-Treasurer duties for the remainder of Steinhorn’s term that ends on January 1, 2020. Thereafter, Miller and Solomon will be eligible for election to (renewable) 3-year terms. The ASL office will move from Vassar to the University of Connecticut in early May, and a new administrator will be hired to staff the office. The new ASL office email address will be asl@uconn.edu, and the new postal address will be: ASL, Department of Mathematics, University of Connecticut, 341 Mansfield Road, U-1009, Storrs, CT 06269-1009, USA. More information on this transition will be available soon.

• 2018 Sacks Prize. The ASL invites nominations for the 2018 Sacks Prize for the most outstanding doctoral dissertation in mathematical logic. Nominations must be received by September 30, 2018. 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://www.aslonline.org/info-prizes.html.

Anyone who wishes to make a nomination for the 2018 Sacks Prize should consult the webpage http://www.aslonline.org/Sacks_nominations.html for the precise details of the application process. A brief summary of the procedure is provided below.

Students who defend their dissertations (equivalent to the American doctoral dissertation) between October 1, 2017, and September 30, 2018, 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, Thomas Scanlon; pdf files sent as attachments by email to scanlon@math.berkeley.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 Thomas Scanlon, University of California, Berkeley, Mathematics Department, Evans Hall, Berkeley, CA, 94720-3840, USA.

Those wishing to contribute to the Sacks Prize Fund may send contributions to the ASL office (ASL, Depart-
Ph.D. Abstracts in Logic to be Published in the Bulletin of Symbolic Logic. This year the Association for Symbolic Logic will begin publishing abstracts of Ph.D. theses in logic in the Bulletin of Symbolic Logic. Christian Rosendal is the editor for this new section of the BSL. For further information, visit http://aslonline.org/LogicThesisAbstracts.html.

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. For more information, visit http://www.aslonline.org/membership-individual.html.

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, visit http://www.aslonline.org/members-discounts.html, or write to the ASL Business Office.

ASL MEETINGS

Student Travel Awards: The 2018 ASL European Summer Meeting and other ASL or ASL-Sponsored Meetings. The ASL will make available modest travel awards to graduate students in logic so that they may attend the 2018 ASL European Summer Meeting in Udine, Italy; see below for information about this meeting. Student members of the ASL also 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 2018 ASL European Summer Meeting, applications for student travel grants and recommendations should be received by the deadline of May 4, 2018. They should be submitted electronically, by email to LC18grant@uniud.it (see the application instructions at https://lc18.uniud.it/applications). If electronic submission is not possible, applications and recommendations should be mailed to: Prof. H. Dugald Macpherson, PC chair: Logic Colloquium 2018, School of Mathematics, University of Leeds, Leeds LS2 9JT, UK.

For ASL student member travel grants to ASL or ASL-sponsored meetings (other than the 2018 European Summer Meeting), applications and recommendations should be received at least three months prior to the start of the meeting at the ASL Business Office: ASL, Box 742, Vassar College, 124 Raymond Avenue, Poughkeepsie, New York 12604, USA; Fax: 1-845-437-7830; email: asl@vassar.edu. Decisions will be communicated at least two months prior to the meeting.

2018 ASL North American Annual Meeting. May 16–19, 2018, Macomb, Illinois. The invited speakers include: JC Beall, A. Chernikov, B. Hart, J. Knight, J. Nagloo, D. Sinapova, S. Solecki, and A. Weiermann. Tutorials will be offered by A. Marks and T. Slaman. The special sessions planned (with organizers in parentheses) include: Computability (L. Bienvenu and K. Lange), Logic and Philosophy (C. Franks), Model Theory (J. Freitag and J. Márklová), Proof Theory (H. Towsner), and Set Theory (D. Sinapova and A. Tserunyan). The members of the Program Committee include: T. Carlson, B. Csima, T. Eisworth, M. Glanzberg, I. Kalantari, D. Marker (Chair), and M. Soskova. The members of the Local Organizing Committee are: J. Chisholm, R. Dimitrov, C. Ealy, D. Haugen, I. Kalantari (Chair), D. LaFountain, J. Márklová, S. Martinelli, M. Moniri, G. Pettit, B. Powell, C. Pynes, N. Vakil, G. Weitkamp, and L. Welch. The complete program for this meeting is included in this
• 2018 ASL European Summer Meeting (Logic Colloquium ’18). July 23–28, 2018, Udine, Italy. The twenty-ninth annual Gödel Lecture will be delivered by R. Downey. The invited speakers include: M. Antonutti Marfori, A. Atserias, V. Brattka, A. Ciabattoni, P. D’Aquino, P. Oliva, L. Patey, A. Tserunyan, S. Unger, M. Viale, and D. Westerståhl. Tutorials will be offered by U. Sattler and K. Tent. Special sessions (with organizers in parentheses) include: Computability theory (P. Shafer and A. Sorbi), Descriptive set theory and dynamical systems (B. Miller and A. Tørnquist), Model theory (E. Casanovas and F. Wagner), Philosophy of logic and mathematics (J. Kennedy and G. Sagi), Proof theory and constructivism (S. Ghilardi and G. Sambin), and Temporal and multivalued logics (B. Gerla and M. Lange). The Program Committee members are: S. Demri, A. Kechris, C. Laskowski, D. Macpherson (Chair), A. Marcone, A. Montalbán, P. Pudlak, G. Sher, and D. Sinapova. The Local Organizing Committee includes: G. D’Agostino (Co-Chair), D. Della Monica, V. Dimonte, M. Fiori Carones, E. Frittaion, G. Gherardi, N. Gigante, A. Marcone, A. Molinari, A. Montanari (Co-Chair), F. Parlamento, C. Piazza, and M. Valenti. For further information, visit https://lc18.uniud.it.

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 should be submitted as pdf files at https://easychair.org/conferences/?conf=lc18; for submission instructions see https://lc18.uniud.it. The deadline for submissions is April 27, 2018. If electronic submission is not possible, abstracts should be mailed to: Prof. H. Dugald Macpherson, PC chair: Logic Colloquium 2018, School of Mathematics, University of Leeds, Leeds LS2 9JT, UK.

• 2018-19 ASL Winter Meeting (with Joint Mathematics Meetings). January 18–19, 2019, Baltimore, Maryland. This meeting will take place in conjunction with the Joint Mathematics Meetings taking place January 16-19, 2019. The members of the Program Committee are S. Cox, V. Harizanov (Chair), and A. Kolesnikov.

• 2019 ASL Winter Meeting (with APA). February 20–23, 2019, Denver, Colorado. This meeting will be held jointly with the Annual Meeting of the Central Division of the American Philosophical Association. The members of the Program Committee are K. Bimbo (Chair), P. Girard, and M. Rossberg.

• 2019 ASL North American Annual Meeting. May 20–23, 2019, New York, New York. The members of the Local Organizing Committee are: S. Artemov, E. Antonakos (Co-Chair), A. Dolich, S. Friedman (Co-Chair), G. Fuchs, and J. Hamkins.

Rules for Abstracts. The rules for abstracts of contributed talks at ASL meetings (including those submitted “by title”) may be found at http://www.aslonline.org/rules_abstracts.html. 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

• Computability Theory and Its Applications. June 4–8, 2018, Waterloo, Canada. This workshop aims to bring together researchers from all areas of computability theory. A public lecture will be given by A. Montalbán. The confirmed invited speakers include: D. Dzhafarov, B. Kjos-Hanssen, J. Miller, K. M. Ng, J. Reimann, R. Shore, and L. Brown Westrick. The Organizers are: L. Bienvenu, P. Cholak, B. Csima, and M. Harrison-Trainor. For further information, visit https://cta-waterloo.sciencesconf.org/.

• Tenth Scandinavian Logic Symposium (SLS2018). June 11–13, 2018, Gothenburg, Sweden. The scope of this event covers mathematical, computational, and philosophical logic. The invited speakers include: J. Hamkins, L. Ong, M. Rathjen, and K. Tent. The members of the Program and Organizing Committee are: B. Afshari (Co-Chair), R. Blanck, A. Enayat (Co-Chair), F. Engström, M. Kaså, and G. Leigh. For more information, visit http://scandinavianlogic.org/sls2018.
• Thirty-third Annual ACM/IEEE Symposium on Logic in Computer Science (LICS 2018). July 9–12, 2018, Oxford, UK. The LICS Symposium is an annual international forum on theoretical and practical topics in computer science that relate to logic. LICS 2018 will be organized as part of the the Seventh Federated Logic Conference (FLoC 2018; see below). The invited speakers are: T. Coquand, J. Esparza, S. Goldwasser, U. Martin, and V. Tannen. The Program Committee Chair is M. Hofmann, the Workshop Chair is P. Bouyer, the Publicity and Proceedings Chair is S. Staton, and the General Chair is M. Grohe. The Kleene Award for the best student paper, sponsored by the European Association for Theoretical Computer Science, will be presented at the meeting. For more information, visit http://lics.siglog.org/lics18/.


• Fourth Hilbert-Bernays Summer School on Logic and Computation. July 22–28, 2018, Göttingen, Germany. This summer school is intended for students of mathematics, philosophy and computer science. The following mini-courses will be offered (with the speakers in parentheses): From abstract mathematics to verified programs (U. Berger), Gödel’s Incompleteness Theorems (R. Kahle), Ordinal analysis (W. Pohlers), and Proof-Theoretic Semantics (P. Schroeder-Heister and L. Tranchini). For further information, visit https://www.uni-gottingen.de/en/538708.html.

• Twenty-fifth Workshop on Logic, Language, Information and Computation (WoLLIC 2018). July 24-27, 2018, Bogotá, Colombia. This series of workshops is intended to foster interdisciplinary research in pure and applied logic. The invited speakers are: K. Bimbo, X. Caicedo, J. Meseguer, E. Pimentel, G. Simari, and R. Wasserman (to be confirmed). The Chair of the Program Committee is L. Moss. The Co-chairs of the (Local) Organizing Committee are X. Caicedo, M. Martínez, and R. de Queiroz. For more information, visit https://matematicas.uniandes.edu.co/eventos/2018/wollic/.

• Computability in Europe 2018 (CiE 2018)—Sailing Routes in the World of Computation. July 30–August 3, 2018, Kiel, Germany. This is the fourteenth in a series organized by Computability in Europe (CiE). Tutorials will be offered by P. Heggernes and B. Khoussainov. The invited speakers include: K. Etessami, J. Franklin, M. Gehrke, A. Marcone, A. Silva, and J.O. Shallit. Special sessions on the following topics also are planned (with organizers in parentheses): Approximation and optimization (L. Epstein and K. Jansen); Bioinformatics and bio-inspired computing (A. Franke and V. Mitrana); Computing with imperfect information (T. McNicholl and M. Sokolova); Continuous computation (U. Berger and D. Spreen); History and philosophy of computing (L. de Mol and G. Primiero); and SAT-solving (O. Beyersdorff and V. Ganesh). The Program Committee Co-Chairs are R. Miller and D. Nowotka. The Organizing Committee Co-Chairs are F. Manea and D. Nowotka. For further information, visit http://cie2018.uni-kiel.de/.

• Fifteenth International Conference on Computability and Complexity in Analysis (CCA 2018). August 5–8, 2018, Lake Kochel, Germany. This conference will focus on the theory of computability and complexity over real-valued data. It is held in honor of Klaus Weihrauch on his 75th birthday. The invited speakers are: P. Collins, D. Graça, R. Hölzl, N. Lutz, L. Patey, D. Poças, M. Schröder, and F. Steinberg. The Scientific Committee includes: L. Bienvenu, H. Diener, D. Hirschfeldt, R. Hölzl, Z. Iljazović, T. Kihara, E. Mayordomo, N. Müller, N. Zhong, and M. Ziegler (Chair). The Organizing Committee members are: V. Brattka (Chair), P. Hertling, R. Hölzl, and P. Janicki. For more information, visit http://cca-net.de/cca2018/.

• Thirtieth European Summer School in Logic, Language and Information (ESSLLI-2018). August 6–17, 2018, Sofia, Bulgaria. This conference series brings together logicians, linguists, computer scientists, and philosophers to study language, logic and information, and their interconnections. Introductory and advanced courses, together with workshops, cover a wide variety of topics within the three areas of interest: Language and

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Computation, Language and Logic, and Logic and Computation. The Chair of the Program Committee is L. Kallmeyer, and the Local Co-Chair is G. Angelova. The Chair of the Organization Committee is P. Osenova and the Co-Chair is K. Simov. ESSLLI-2018 is organized under the auspices of the Association for Logic, Language and Information (FoLLI). For more information about ESSLLI-2018, visit http://esslli2018.folli.info/; for more information about FoLLI, visit http://www.folli.info.


• Twelfth International Conference on Advances in Modal Logic (AiML 2018). August 27–31, 2018, Bern, Switzerland. This conference series is an initiative aimed at presenting the state of the art in modal logic and its various applications. The invited speakers include: A. Ciabattoni, R. Goldblatt, R. Iemhoff (joint AiML-LATD), S. Kikot, and D. Scott. The Co-Chairs of the Program Committee are G. Bezhanishvili and G. D’Agostino, and the Co-Chairs of the Organizing Committee are G. Metcalfe and T. Studer. The deadline for short presentations is May 20, 2018. AiML 2018 will be co-located with Logic, Algebra and Truth Degrees (LATD 2018, see below). For further information, visit http://www.aiml2018.unibe.ch.

• Logic, Algebra and Truth Degrees (LATD 2018). August 28–31, 2018, Bern, Switzerland. The invited speakers include M. Bělková, N. Galatos, R. Iemhoff (joint AiML-LATD), T. Moraschini, and D. Petrisan. The Chair of the Program Committee is G. Metcalfe, and the Co-Chairs of the Organizing Committee are G. Metcalfe and T. Studer. LATD 2018 will be co-located with AiML 2018 (see above). For further information, visit http://www.latd2018.unibe.ch/.

• First International Summer School on Proof Theory and Workshop on Proof Theory. September 2–7, 2018, Ghent, Belgium. These are the first events of the Proof Society, a new, international research network. The aim of the summer school is to cover basic and advanced topics in proof theory, with a focus on structural proof theory, ordinal analysis, provability logic, and automated theorem proving. The summer school will include the following courses (with speakers in parentheses): Cut Elimination (M. Baaz), Ordinals and their applications (A. Weiermann), Philosophy of Proof Theory (C. Nicolai), Programme Extraction (M. Seisenberger), Proof Theory in Computer Science (A. Voronkov), Provability Logic (D. Fernandez Duque), and Selected topics from the Theory of Truth (R. Urbianni, to be confirmed). The Chair of the Program Committee is A. Beckmann, and the Chair of the Local Organizing Committee is A. Weiermann. For further information, visit http://www.proofsociety.org/summer-school-2018/ and http://www.proofsociety.org/workshop-2018/.


• From Permutation Groups to Model Theory: a Workshop Inspired by the Interests of Dugald Macpherson, on the Occasion of his 60th Birthday. September 17–21, 2018, Edinburgh, Scotland. The invited speakers include: P. Cameron, Z. Chatzidakis, G. Cherlin, A. Chernikov (to be confirmed), R. Elwes, D. Evans, D. Garcia (to be confirmed), R. Gray, E. Hrushovski, M. Liebeck, A. Macintyre, D. Macpherson, J.

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**Thirteenth International Conference on Computability, Complexity and Randomness (CCR 2018).** December 17–21, 2018, Santiago de Chile, Chile. Topics include: algorithmic randomness, computability theory, computational complexity, Kolmogorov complexity, and reverse mathematics and logic. This year’s conference will be partially oriented to explore connections between these topics and the theory of dynamical systems. The invited speakers are: F. Cucker, M. Hoyrup, T. Kihara, B. Kra, N. Lutz, A. Maass, K. M. Ng, and P. Shmerkin. Tutorials will be offered by S. Figueira and A. Gajardo. The Program Committee includes: V. Becher (Co-Chair), M. Braverman, P. Gács, N. Greenberg, A. Montalbán, H. Towsner, C. Rojas (Co-Chair), and L. Brown Westrick. The Local Organizing Committee members are: J. Aliste, V. Becher, and C. Rojas. The deadline for submission of abstracts is April 25, 2018. For more information, visit http://www.mat-unab.cl/~ccr2018/.

**CALENDAR OF OTHER MEETINGS**


**Seventh Federated Logic Conference (FLoC 2018).** July 6–19, 2018, Oxford, UK. This event brings together several international conferences related to mathematical logic and computer science. These conferences will participate: the Thirtieth International Conference on Computer-Aided Verification (CAV), the Thirty-first IEEE Computer Security Foundations Symposium (CSF), the Twenty-third International Symposium on Formal Methods (FM), the Third International Conference on Formal Structures for Computation and Deduction (FSCD), the Thirty-fourth International Conference on Logic Programming (ICLP), the Ninth International Joint Conference on Automated Reasoning (IJCAR), the Ninth International Conference on Interactive Theorem Proving (ITP), the ASL-sponsored Thirty-third IEEE Symposium on Logic in Computer Science (LICS; see above), and the Twenty-first International Conference on Theory and Applications of Satisfiability Testing (SAT). Pre-conference workshops will be held July 7–8, 2018. The General Chair is M. Vardi and the Steering Committee Co-Chairs are D. Kroening and M. Kwiatkowska. For more information, visit http://www.floc2018.org.

**Second Women in Logic Workshop (WiL 2018).** July 8, 2018, Oxford, UK. This event is being held as a LICS 2018 (see Sponsored Meetings, above) associated workshop this year. The invited speakers are B. Pientka and P. Stevens. Topics of interest include but are not limited to the usual LICS topics. The members of the Scientific and Organizing Committee are: A. Compagnaoni, A. Feltja, A. Ingolfsdottir, S. Kalvala, U. Martin, V. de Paiva (Chair), B. Pientka, and V. Vignudelli. For more information, visit https://sites.google.com/site/womeninlogic2018/welcome/.

The next Newsletter will be sent in September 2018. Items to be included should reach the Secretary-Treasurer before August 31, 2018.

Submitted by Charles Steinhorn, Secretary-Treasurer.