

# Association for Symbolic Logic

Business Office: Box 742, Vassar College 124 Raymond Avenue, Poughkeepsie, New York 12604, USA Fax: 1-845-437-7830; email: asl@vassar.edu Web: http://www.aslonline.org

ASL NEWSLETTER

January 2013

- The 2012 ASL Election. The ASL membership has elected Alasdair Urquhart (Toronto) as President, Ulrich Kohlenbach (Darmstadt) as Vice President, Jeremy Avigad (Carnegie Mellon) and Anand Pillay (Leeds) to the Executive Committee, Roman Kossak (CUNY) to a one-year Executive Committee term (to complete the remaining year of Kohlenbach's EC term), and Joel Hamkins (CUNY) and Kazuyuki Tanaka (Sendai) to the Council. Their terms of office (except for Kossak) are for three years beginning January 1, 2013. The Nominating Committee consisted of Michael Benedikt, Penelope Maddy, David Marker (Chair), Yiannis Moschovakis, Richard Shore, Andreas Weiermann, Philip Welch, and Carol Wood.
- The 2012 Sacks Prize Awarded to P. Simon. The ASL Committee on Prizes and Awards (with C. Wood and A. Nies replacing E. Hrushovski and T. Slaman, who recused themselves for these deliberations) has selected Pierre Simon of the Hebrew University of Jerusalem as the recipient of the 2012 Sacks Prize. The prize consists of a cash award plus five years free membership in the ASL for each awardee.

Simon received his Ph.D. in October 2011 from the Université Paris-Sud, under the supervision of Elisabeth Bouscaren. The Prizes and Awards Committee notes that his thesis, *Ordre et stabilité dans les théories NIP*: "provides new model theoretic tools and concepts for the study of NIP structures, a generalization of stability that also encompasses o-minimal structures, algebraically closed valued fields, and the p-adics. The thesis makes substantial progress at the full generality of NIP theories, and at the same time obtains new results and new proofs in classical settings. It stands out for its depth, originality, and elegance in seeking the appropriate tools and dividing lines for the subject."

• Shelah Awarded 2013 American Mathematical Society Steele Prize for Seminal Contribution to Research. The American Mathematical Society has awarded Saharon Shelah the 2013 Leroy P. Steele Prize for Seminal Contribution to Research for his book, Classification Theory and the Number of Nonisomorphic Models (Studies in Logic and the Foundations of Mathematics, 92, North-Holland Publishing Co., Amsterdam—New York, 1978; 2nd edition, 1990). The Steele Prize, presented annually by the A.M.S., is one of the highest distinctions in mathematics.

The prize citation states in part: "Before Shelah's work, the great theorem of pure model theory was Morley's theorem on categoricity. It concerned a class of theories whose uncountable models are completely determined by their cardinality. Shelah visualized a vast extension of the problem to a classification of arbitrary first-order theories, based on the number of models they may have of a given uncountable size. Solving this problem required some twenty years that made model theory into a mature field, completely transforming its aims, methods, and ability to connect to algebra and geometry."

- Discounted Dues for New ASL Individual Members. The ASL now 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.
- 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, found at http://www.aslonline.org/worldbankeconomies.html includes Brazil, Bulgaria, China, Colombia, India, Iran, Russia, South Africa, and many 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://www.aslonline.org/membership-individual.html. After the initial two year period new members under this program will pay the reduced membership dues, currently at US\$18 (see below), as long as their country of residence is on the ASL's list of developing economies.

- Reduced Dues for Individuals and Institutions in Developing Economies. The ASL offers reduced dues for individual and institutional members in developing economies. For 2013, 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 further information, visit http://www.aslonline.org/membership\_outreach.html or contact the ASL Business Office: ASL, Box 742, Vassar College, 124 Raymond Avenue, Poughkeepsie, New York 12604, USA; Tel: 1-845-437-7080; Fax: 1-845-437-7830; email: asl@vassar.edu.
- Reduced Dues for Unemployed Members. The ASL offers reduced dues for individual members who are unemployed. For 2013, the reduced dues are US\$44. For further information, visit http://www.aslonline.org/membership-individual.html or contact the ASL Business Office: ASL, Box 742, Vassar College, 124 Raymond Avenue, Poughkeepsie, New York 12604, USA; Tel: 1-845-437-7080; Fax: 1-845-437-7830; email: asl@vassar.edu.
- Emeritus 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 2013 are US\$44. The privileges attached to Retired membership (previously called emeritus 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://www.aslonline.org/membership-individual.html.
- Book and Journal Discounts for ASL Members. Several publishers now 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 2013 ASL North American Annual Meeting, 2013 ASL European Summer Meeting, and other ASL or ASL-Sponsored Meetings. The ASL will make available modest travel awards to graduate students in logic and (for the European Summer Meeting only) to recent Ph.D.'s so that they may attend the 2013 ASL North American Annual Meeting in Waterloo, Ontario, Canada, or the 2013 ASL European Summer Meeting in Evora, Portugal; see below for information about these meetings. 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 on a US flag carrier. Application by email is encouraged; put "ASL travel application" in the subject line of your message.

For the 2013 ASL North American Annual Meeting, applications and recommendations should be received before the deadline of March 4, 2013, by the Program Chair: Ilijas Farah, Department of Mathematics &

Statistics, York University, 4700 Keele Street Toronto, Ontario, Canada M3J 1P3; Fax: 416-736-5757; email: ilijasf@gmail.com. Applications by email are preferred.

For the 2013 ASL European Summer Meeting, applications and recommendations should be received before the deadline of March 25, 2013, by the Organizing Committee: LC2013, CMAF-Universidade de Lisboa, Avenida Professor Gama Pinto 2, 1649-003 Lisboa, Portugal; email: lc2013@ptmat.fc.ul.pt.

For ASL student member travel grants to ASL or ASL-sponsored meetings (other than the 2013 North American Annual Meeting and the 2013 European Summer Meeting), applications and recommendations should be received at least three months prior to 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.

- 2013 ASL Winter Meeting (with APA). February 20–21, 2013, New Orleans, Louisiana. This meeting will be held jointly with the Annual Meeting of the Central Division of the American Philosophical Association. The program includes an invited panel discussion on Logic in Undergraduate Philosophy Education chaired by A. Arana. The panelists include: A. Arana, D. Macbeth, R. Jennings, S. Vineberg, and A. Yap. The members of the Program Committee are A. Arana (Chair) and A. Yap.
- 2013 ASL North American Annual Meeting. May 8-May 11, 2013, Waterloo, Ontario, Canada. The twenty-fourth annual Gödel Lecture will be delivered by K. Fine. The invited speakers include: M. Aschenbrenner, U. Andrews, R. Blute, D. Kerr, C. McLarty, D. Sinapova, T. Slaman, M. Viale, V. Voevodsky, and F. Wagner. The following special sessions also are planned: Applications of logic to operator algebras, Computable structures/model theory, Differential categories and differential lambda calculi, Model theory, Set theory, and Univalent foundations. The members of the Program Committee are: S. Awodey, I. Farah (Chair), A. Kanamori, R. Moosa, J. Reimann, and P. Scott. The Local Organizing Committee includes: S. Ben-David, B. Csima (Chair), D. DeVidi, R. Moosa, and R. Willard. Local information and a registration form are enclosed in this Newsletter mailing. Electronic registration is available at http://www.aslonline.org/meeting\_registrationsecure.html. For further information, visit http://www.math.uwaterloo.ca/~asl2013/.

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 received by the deadline of February 11, 2013, 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.

• 2013 ASL European Summer Meeting (Logic Colloquium '13). July 22–27, 2013, Évora, Portugal. Tutorials will be offered by O. Houcine and L. Ong. The invited speakers include: J. van Benthem, M. Bojanczyk, J. Brendle, J.-Y. Cai, V. Halbach, R. Iemhoff, F. Loeser, M. Malliaris, A. Morozov, A. Tornquist, and V. Voevodsky. The Program Committee members are: M. Baaz, M. Benedikt, M. Edmundo, S. Fuchino, V. Harizanov, P. Mancosu, K. Tent, and B. Velickovic (Chair). The Local Organizing Committee includes: S. Alves, I. van den Berg, M. Edmundo (Chair), F. Ferreira, D. Graça, M. Mamino, M. Martins, L. Pinto, P. Quaresma, and J. Rasga. For further information, visit http://ptmat.fc.ul.pt/LC2013/.

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—hard copy or email—should be received before the deadline of March 29, 2013 at the official meeting address: LC2013, CMAF-Universidade de Lisboa, Avenida Professor Gama Pinto 2, 1649-003 Lisboa, Portugal; email: lc2013@ptmat.fc.ul.pt.

• 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 submitting them. Revised abstracts that follow the rules will be considered if they are received by the announced deadline.

#### ASL SPONSORED MEETINGS

- Fourth World Congress and School on Universal Logic (UNILOG 2013). March 29-April 7, 2013, Rio de Janeiro, Brazil. The invited keynote speakers include: I. Anellis, A. Avron, O. Bueno, A. Burdman Feferman, H. Burkhardt, M. Busaniche, R.M. Cesar Jr, R. Casati, A. Ciabattoni, B. Coecke, S. Colton, N. da Costa, D. Diecks, I. D'Ottaviano, J.M. Dunn, S. Feferman, H. Freytes, A. Fuhrmann, A. Galton, J. Ginzburg, Y. Gurevich, E.H. Haeusler, J. Hintikka, B. Konikowska, A. Koslow, V. Marra, D. Mundici, S. Negri, H. Ono, S. Read, G. Sambin, J. Seldin, G. Sher, S.-J. Shin, B. Tversky, S. Ural, H. Wansing, A. Wisniewski, J. Wolenski, and E. Zalta. The school is intended for Ph.D. students, postdoctoral students, and young researchers interested in logic, artificial intelligence, mathematics, philosophy, linguistics, and related fields. A broad range of tutorials will be offered; the list (with links to descriptions) can be found at http://www.uni-log.org/start4.html. The members of the Scientific Committee are: A. Avron, J. van Benthem, R. Brady, C. Caleiro, W. Carnielli, M. Dunn, D. Gabbay, H. He, G. Jaeger, A. Koslow, I. Nemeti, V. Vasyukov, and H. Wansing. The Chair of the Organizing Committee is J.-Y. Béziau. For further information, visit http://www.uni-log.org.
- Logic and Interactions. April 29-May 3, 2013, Luminy, France. This event, to be held at the CIRM in Luminy, is the final conference of the European Community funded Marie Curie Initial Training Network in Mathematical Logic, From Mathematical Logic to Applications (MALOA). In keeping with the training aims of the network, the meeting will bring together established leaders in the field with younger scientists from both inside and outside the network. The invited speakers include: U. Berger, S. Buss, A. Durand, D. Evans, M. Laskowski, A. Lewis, A. Macintyre, H. Mildenberger, J. Paris, P. Pudlak, P. Schuster, K. Tent, T. Tsankov, and J. Väänänen. The members of the Scientific Committee are: Z. Chatzidakis, R. Kervarc, J. Krajíček, D. Macpherson (Chair), H. Schwichtenberg, and B. Velickovic. For further information, visit http://www1.maths.leeds.ac.uk/maloa/final%20conference.html.
- Sixth Young Set Theory Workshop. June 10–14, 2013, Oropa, Piemonte, Italy. The aim of this conference, supported by the European Science Foundation, is to bring together Ph.D. students and postdoctoral researchers in set theory to learn from leading researchers in the field, hear about the latest research, and discuss research issues in a co-operative environment. Tutorials given by senior researchers representing a branch of set theory will be offered by: J. Cummings, S. Friedman, S. Gao, and J. Steel. Invited talks by young researchers will be given by: T. Bice, S. Cramer, L. Motto Ros, V. Torres Perez, and T. Wilson. The members of the Scientific Committee are: A. Brooke-Taylor, A. Caicedo, S. Cox, A. Törnquist, and M. Viale (Chair). The Organizing Committee includes A. Andretta, R. Camerlo, and M. Viale. For more information, visit http://www2.dm.unito.it/paginepersonali/viale/YST2013/yst2013-home.html.
- Model Theory 2013. June 10–15, 2013, Ravello, Italy. Tutorials will be offered by M. Hils, T. Scanlon, and K. Tent. The invited speakers include: M. Aschenbrenner, E. Breuillard, Z. Chatzidakis, A. Chernikov, A. Conversano, A. Fornasiero, P. Habegger, B. Hart, G. Jones, D. Macpherson, J. Melleray, M. Malliaris, L. Newelski, Y. Peterzil, A. Pillay, Z. Sela, R. Sklinos, H. Towsner, P. Speissegger, and P. Ugurlu. The members of the Program Committee are: I. Ben Yaacov, P. D'Aquino, E. Hrushovski, E. Jaligot, S. Starchenko, and A. Wilkie. The Organizing Committee includes: P. D'Aquino, A. Fornasiero, L. Spada, and G. Terzo. For further information, visit http://logica.dmi.unisa.it/Ravello/.
- Twenty-eighth Annual IEEE Symposium on Logic in Computer Science (LICS 2013). June 25–28, 2013, New Orleans, Louisiana. The LICS Symposium is an annual international forum on theoretical and practical topics in computer science that relate to logic in a broad sense. Co-located with this event are the Twenty-ninth Conference on the Mathematical Foundations of Programming Semantics (MFPS) and the Twenty-sixth IEEE Computer Security Foundations Symposium. The invited speakers include: R. Alur, J. Halpern (with CSF), N. Lynch, and P. Panangaden. Tutorials will be offered by H. Comon and J. Rutten (with MFPS). The symposium also will include a special session to mark the eightieth birthday of Dana Scott, with the following invited speakers: S. Awodey, A. Bauer, R. Harper, A. Pitts, and D. Scott. The Program Chair is O. Kupferman,

## ASL SPONSORED MEETINGS (continued)

the Workshops Chair is P. Bouyer-Decitre, the General Chair is L. Ong, and the Conference Chair is M. Mislove. The Organizing Committee Chair is L. Ong. For further information, visit http://lii.rwth-aachen.de/lics/lics13/.

• Computability in Europe 2013 (CiE 2013): The Nature of Computation: Logic, Algorithms, Applications. July 1–5, 2013, Milan, Italy. This is the ninth in a series organized by Computability in Europe (CiE). The special focus of the conference is on the unexpected and strong changes that studies on Nature have brought in several areas of mathematics, biology, physics, and computer science. Starting from Alan Turing, research on Nature with a computational perspective has produced novel contributions, giving rise even to new disciplines. Tutorials will be offered by G. Brassard and G. Rozenberg. Invited speakers include: U. Endriss, L. Fortnow, A. Karlin, B. Moret, M. Soskova, and E. Szemeredi. Special sessions are planned on: algorithmic randomness; computation in nature; computational complexity in the continuous world; computational molecular biology; data streams and compression; and history of computation. The Program Committee Co-chairs are P. Bonizzoni and V. Brattka, and the Chair of the Organizing Committee is P. Bonizzoni. For more information, visit http://cie2013.disco.unimib.it.

CALENDAR OF OTHER MEETINGS (Also see http://www.aslonline.org.)

- European Joint Conferences on Theory and Practice of Software (ETAPS 2013). March 16-24, 2013, Rome, Italy. This event is the primary European forum for academic and industrial researchers working on topics relating to Software Science. It comprises several conferences and workshops that may be of interest to logicians. The Steering Committee Chair is V. Sassone. For further information visit http://www.etaps.org/.
- Seventh International Conference on Language and Automata, Theory and Applications (LATA 2013). April 2-5, 2013, Bilbao, Spain. LATA is a yearly conference in theoretical computer science and its applications. LATA 2013 will reserve significant room for young scholars at the beginning of their careers. It will aim at attracting contributions from both classical theory fields and application areas (bioinformatics, systems biology, language technology, artificial intelligence). The invited speakers include J.-Y. Cai, K. Etessami, T. Schwentick, and A. Voronkov. Tutorials will be offered by L. Ong on Recursion schemes, collapsible pushdown automata and higher-order model checking and J. Ouaknine on Discrete linear dynamical systems. The Chair of the Program Committee is C. Martín-Vide and the Co-chairs of the Organizing Committee are C. Martín-Vide and E. Zuazua. For further information, visit http://grammars.grlmc.com/LATA2013/.
- Twenty-fourth International Conference on Automated Deduction (CADE-24). June 9-14, 2013, Lake Placid, New York. This is the major forum for the presentation of research in all aspects of automated deduction. The Conference Co-chairs are C.A. Lynch and N.V. Murray, the Chair of the Program Committee is M.P. Bonacina, the Tutorial Chair is P. Baumgartner, the Workshop and Competition Chair is C. Benzmueller, and the Publicity and Web Chair is G.O. Passmore. For more information, visit http://www.cade-24.info.
- Seventh International Conference on Tests and Proofs (TAP 2013). June 18–19, 2013, Budapest, Hungary. This series is devoted to the synergy of proofs and tests, to the application of techniques from both sides and their combination for the advancement of software quality. The Program Co-chairs are M. Veanes and L. Viganò. For further information, visit http://www.spacios.eu/TAP2013.
- International Conference on Rewriting, Deduction, and Programming (RDP 2013). June 23–28, 2013, Eindhoven, The Netherlands. This event comprises the Twenty-fourth International Conference on Rewriting Techniques and Applications (RTA-24) and the Eleventh International Conference on Typed Lambda Calculi and Applications (TLCA 2013). The TLCA2013 Program Committee Chair is M. Hasegawa and the Steering Committee includes: S. Abramsky, H. Barendregt, P.-L. Curien, M. Dezani, M. Hofmann, L. Ong, S.Ronchi Della Rocca, and P. Urzyczyn. The RTA-24 Program Chair is F. van Raamsdonk and the Conference Chair is

Newsletter continued on reverse side

## CALENDAR OF OTHER MEETINGS (continued)

- H. Zantema. The RDP 2013 Organizing Committee members are: S. Claessens, H. Geuvers, J. Giesl, E. de Vink, and H. Zantema. For further information, visit http://www.win.tue.nl/rdp2013/.
- Thirty-fourth International Conference on Application and Theory of Petri Nets and Concurrency (PETRI NETS 2013). June 24–28, 2013, Milan, Italy. The Program Committee Co-chairs are J.M. Colom and J. Desel, the Workshop and Tutorial Co-chairs are S. Haddad and A. Yakovlev, and the Organizing Committee Chair is L. Pomello. For further information, visit http://www.mc3.disco.unimib.it/petrinets2013/.
- Twenty-fifth International Conference on Computer Aided Verification (CAV 2013). July 13–19, 2013, Saint Petersburg, Russia. This conference series is dedicated to the advancement of the theory and practice of computer-aided formal analysis methods for hardware and software systems. The Program Chairs are N. Sharygina and H. Veith, and the Steering Committee includes: M. Gordon, O. Grumberg, R. Kurshan, and K. McMillan. The Chair of the Organization Committee is I. Shoshmina. For further information, visit http://cav2013.forsyte.at/.
- Twenty-Second Annual Conference of the European Association for Computer Science Logic (CSL 2013). September 2–5, 2013, Torino, Italy. This is the annual conference of the European Association for Computer Science Logic (EACSL). It is intended for computer scientists whose research activities involve logic, as well as for logicians working on issues significant for computer science. The 2013 Ackermann Award, the EACSL annual award for the outstanding dissertation for logic in computer science, will be presented at the meeting. The Chair of the Program Committee is S. Ronchi Della Rocca. The members of the Organizing Committee are: E. De Benedetti, P. Giannini, M. Piccolo, L. Padovani, L. Paolini, S. Ronchi Della Rocca, L. Roversi, and A. Troina. The deadline for submission of abstracts is April 1, 2013, and for papers it is April 8, 2013. For further information, visit http://csl13.di.unito.it/.
- Fifth International Conference on Algebra and Coalgebra in Computer Science (CALCO 2013). September 3–6, 2013, Warsaw, Poland. This series aims to bring together researchers and practitioners with interests in foundational aspects, and both traditional and emerging uses of algebra and coalgebra in computer science. The invited speakers include: A. Bauer, M. Bojańczyk, N. Ghani, and D. Pous. The Co-chairs of the Program Committee are R. Heckel and S. Milius, and the Organizing Committee members are B. Klin and A. Tarlecki. The deadline for submission of abstracts is February 22, 2013 and for papers is March 1, 2013. For further information, visit http://coalg.org/calco13/.

NEW BOOKS AND JOURNALS (Also see http://www.aslonline.org.)

• New ASL Books. To see new books in the ASL's Lecture Notes in Logic and Perspectives in Logic series, visit http://www.aslonline.org/books-lnl-available.html for LNL volumes and http://www.aslonline.org/books-perspectives\_cup\_springer.html for Perspectives volumes.

OTHER ANNOUNCEMENTS (Also see http://www.aslonline.org.)

• Call for Nominations: 2013 Ackermann Award. The European Association for Computer Science Logic (EASCSL) invites submissions for its Outstanding Dissertation Award for Logic in Computer Science (Ackermann Award). To be eligible for the 2012 Ackermann Award, the candidate must have completed a Ph.D. dissertation in topics specified by the EACSL and LICS conferences that was formally accepted as a Ph.D. thesis at a university or equivalent institution between January 1, 2011 and December 31, 2012. The deadline for submission is April 15, 2013; details are available at http://www.eacsl.org/submissionsAck.html. For the years 2010-2013, the Award is sponsored by the Kurt Gödel Society.

The next Newsletter will be sent in April 2013. Items to be included should reach the Secretary-Treasurer before March 31, 2013.

Submitted by Charles Steinhorn, Secretary-Treasurer.