The Bulletin of Symbolic Logic
Volume 17, Number 2, June 2011

NOTICES

- In Memoriam: Greg Hjorth. Greg Hjorth died of a heart attack in his birth city of Melbourne, Australia, on January 13, 2011. He was forty-seven.

  Hjorth was recognized as a young chess whiz in his primary school years. He quickly advanced to tournament chess, becoming joint Commonwealth Champion in 1983 and earning his International Master title in 1984. He played Garry Kasparov, among other accomplished chess rivals, but took his own later advice that, "if you're not in the top 100 by 21, get out." Hjorth's passion for chess played over to mathematical logic, a field that saw him reach great heights with high academic honors and wide recognition.

  After receiving his undergraduate degree in mathematics and philosophy at the University of Melbourne, Hjorth continued his studies at the University of California, Berkeley, where he received his Ph.D. in mathematics in 1993 under the supervision of Hugh Woodin. As a graduate student, Hjorth was recognized for his exceptional talent, and his thesis was awarded the first Sacks Prize in 1994 for his research in descriptive set theory and its surprising consequences concerning the relationship between projective sets and large cardinals. Hjorth pursued his postdoctoral studies at Caltech for two years, after which he joined the mathematics faculty at UCLA in 1995, where he was made full professor in 2001. Beginning in 2006, he spent two quarters of each year at the University of Melbourne as a prestigious Australian Research Council professorial fellow.

  Over his sixteen years at UCLA, Hjorth was acknowledged as a world leader in mathematical logic and its applications to other fields of mathematics. He made a series of stunning and far reaching contributions, in particular to ergodic theory and orbit equivalence of group actions. These included the development of entirely new theories, including what is now called Hjorth's theory of turbulence, which has had a major impact in contemporary work in set theory and its applications. Hjorth was known as a brilliant problem solver, having been able to achieve major breakthroughs in problems that were previously considered intractable, including his remarkable work on the famous topological Vaught Conjecture and most recently, his results on the incomparability of treeable equivalence relations.

  His work consistently amazed his colleagues with its uncanny originality and technical wizardry, and has been recognized by many honors, including a Sloan Foundation Fellowship in 1997, an invited lecture at the International Congress of Mathematicians in 1998, the ASL Karp Prize in 2003 (joint with Alexander Kechris), and last year, an invitation to deliver the Alfred Tarski Lectures at Berkeley. Hjorth supervised eight Ph.D. students at UCLA, including 2008 Ph.D. Inessa Epstein, who also was awarded the prestigious Sacks prize.

  Hjorth will be richly remembered by fellow colleagues as a brilliant mathematician in constant pursuit of solutions to intractable problems, and as a committed and caring teacher. He is survived by his parents Noela and Robert, and his sister Larissa.

- The 2010 ASL Election. The ASL membership has elected Charles Steinhorn (Vassar) as Secretary-Treasurer, Ulrich Kohlenbach (Darmstadt) and Itay Neeman (UCLA) to the Executive Committee, and Thierry Coquand (Göteborg) and Antonio Montalban (Chicago) to the Council. Their terms of office are for three years beginning January 1, 2011. The Nominating Committee consisted of Jeremy Avigad, Elisabeth Bouscaren, Sam Buss, Carlos Di Prisco, Mirna Džamonja, Donald A. Martin (Chair), and Yiannis Moschovakis.

- The 2010 Sacks Prize Awarded to U. Andrews. The ASL Committee on Prizes and Awards has selected Uri Andrews of the University of Wisconsin-Madison as the recipient of the 2010 Sacks Prize. The prize consists of a cash award plus five years free membership in the ASL.

Andrews received his Ph.D. in 2010 from the University of California, Berkeley, under the supervision of Thomas Scanlon. The Prizes and Awards Committee notes that in his thesis, *Amalgamation Constructions in Recursive Model Theory*, he combines deep methods from model theory and computability to solve some problems posed by Goncharov that had resisted solution by specialists in computability theory.

- Student Travel Awards: ASL or ASL-Sponsored Meetings. The ASL will make available modest travel awards to graduate students in logic so that they may attend ASL or ASL-sponsored meetings (other than the 2012 North American Annual Meeting and the 2012 European Summer Meeting; the announcement for travel award applications for these meetings will be made in in the fall of 2011). 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 ASL student member travel grants to ASL or ASL-sponsored meetings (other than the 2012 North American Annual Meeting and the 2012 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.

- 2011 ASL European Summer Meeting (Logic Colloquium '11). *July* 11–16, 2011, *Barcelona*, *Spain*. The twenty-second annual Gödel Lecture will be delivered by A. Pillay. Tutorials will be offered by G. Gonthier on *Formal verification* and M. Ziegler on *Model theory*: *Hrushovski's amalgamation constructions*. The invited speakers include: S. Awodey, G. Barmpalias, L.D. Beklemishev, R. Cluckers, T. Eisworth, S. Goncharov, H. Lombardi, J. López-Abad, K. Manders, M. Otto, J. Reimann, A. Roslanowski, and Y. Venema. The following special sessions are planned (with organizers in parentheses): Computability theory and logic for computer science (A. Atserias and R. Downey), Foundations of mathematics and philosophy of logic: logic, reasoning, and probability (J. van Benthem and I. Pratt-Hartmann), Model theory (E. Casanovas and Y. Peterzil), Proof theory and constructive mathematics (E. Palmgren and M. Rathjen), and Set theory (J. Bagaria and H. Mildenberger). The Program Committee members are: K. Ambos-Spies (Chair), J. Avigad, H. Barendregt, E. Casanovas, S. Kreutzer, H. Mildenberger, A. Sorbi, T. Tinchev, A. Visser, and B. Zilber. The Local Organizing Committee includes: D. Asperó, A. Atserias, J. Bagaria (Chair), F. Bou, E. Casanovas, V. Dalmau, P. Dellunde, M. Esteban, R. Jansana, D. Palacín, J. Potier, and D. Virgili. For further information, visit `http://www.logic2011.org/?cmd=home`.

- 2011-12 ASL Winter Meeting (with APA). *December* 27–30, 2011, *Washington*, *D.C.* This meeting will be held jointly with the Annual Meeting of the Eastern Division of the American

Philosophical Association. The Chair of the Program Committee is P. Kremer. 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 September 12, 2011, 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`.

- 2011-12 ASL WINTER MEETING (WITH JOINT MATHEMATICS MEETINGS). *January* 6–7, 2012, *Boston*, *Massachusetts*. This meeting will take place in conjunction with the Joint Mathematics Meetings. The members of the Program Committee are N. Dobrinen, P. Fejer, and P. Scowcroft (Chair). 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 September 9, 2011, 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`.
- 2012 ASL NORTH AMERICAN ANNUAL MEETING. *March* 31–*April* 3, 2012, *Madison*, *Wisconsin*. The members of the Program Committee are: J. Avigad, B. Hart (Chair) A. Miller, G. Nadathur, and J. Reimann. The Local Organizing Committee includes: U. Andrews, M. Cai, S. Lempp (Chair), A. Miller, and J. Miller.
- 2013 ASL NORTH AMERICAN ANNUAL MEETING. *May* 8–*May* 11, 2013, *Waterloo*, *Ontario*, *Canada*. The Local Organizing Committee includes: S. Ben-David, B. Csima (Chair), D. DeVidi, R. Moosa, and R. Willard.
- RULES FOR ABSTRACTS. The rules for abstracts of contributed talks at ASL meetings (including those submitted "by title") may be found at the website `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.
- COMPUTABILITY IN EUROPE 2011 (CIE 2011): MODELS OF COMPUTATION IN CONTEXT. *June* 27–*July* 2, 2011, *Sofia*, *Bulgaria*. This is the seventh in a series organized within the network "Computability in Europe" (CiE). The conference will bring context, multidisciplinary perspective, and computability-theoretic focus to a wide spectrum of disciplines, including computer science, mathematics and logic, physics and quantum theory, biology and informatics, linguistics and philosophy, neuroscience and learning theory, and more. Tutorials will be offered by J. Lutz and G. Pullum. Invited speakers include: S. Aaronson, C. Baier, M. van Lambalgen, A. Montalban, A. Shlapentokh, T. Slaman, J. Thornton, and A. Urquhart. Special sessions are planned on: classical computability theory; computability in analysis, algebra, and geometry; computational linguistics; natural computing; relations between the physical world and formal models of computability; and, theory of transfinite computations. The Program Committee Co-Chairs are D. Normann and I. Soskov, and the Chair of the Local Organizing Committee is A. Soskova. For more information, visit `http://cie2011.fmi.uni-sofia.bg`. (ASL Sponsored Meeting.)
- EIGHTH PANHELLENIC LOGIC SYMPOSIUM (PLS 8). *July* 4–8, 2011, *Ioannina*, *Greece*. The Panhellenic Logic Symposium, a biennial scientific event established in 1997, is open to researchers worldwide who work in logic broadly conceived. PLS 8 will be hosted by the Computer Science Department of the University of Ioannina, Greece. The scientific program includes invited tutorials by J. Avigad, D. Miller, and S. Thomas, as well as several invited hour talks and contributed twenty-five minute talks on completed work which has not already appeared in a book or journal. There will also be opportunities for graduate students to present and receive feedback on work in progress. The Scientific Committee includes:

A. Berkman, C. Dimitracopoulos, K. Hatzikiriakou, A. Kakas, P. Karazeris, P. Kolaitis, G. Koletsos, J. Moschovakis (Chair), C. Nomikos, I. Neeman, T. Pheidas, A. Soskova, C. Tsinakis, and S. Zachos. The members of the Organizing Committee are: M. Gergatsoulis, S. Kontogiannis, C. Koutras, C. Nomikos (Chair), and P. Rondogiannis. Registration is free for students. For more information, visit `http://www.cs.uoi.gr/~pls8/`. (ASL Sponsored Meeting.)

- Infinity Conference. *July* 18–22, 2011, *Centre de Recerca Matemática, Bellaterra, Spain.* This event will focus on interdisciplinary work in mathematical logic, with connections to theoretical computer science and the philosophy/history of set theory. It will serve as the culmination of the Infinity Project, an interdisciplinary project in logic hosted at the CRM and funded by the John Templeton Foundation during 2009-2011. Invited speakers include: T. Arrigoni, J. Bagaria, J. Baldwin, A. Beckmann, S. Buss, Y. Chen, J. Flum, R. Grossberg, T. Hyttinen, J. Knight, M. Koerwien, J. Krajíček, L. Kristiansen, C. McLarty, R. Miller, A. Montalban, M. Müller, M. Rathjen, A. Villaveces, and A. Weiermann. The members of the Scientific Committee are: J. Baldwin, M.L. Bonet, S.-D. Friedman (Chair), J.C. Martinez, and M. Rathjen. For more information, including how to register and apply for financial support, visit `http://www.crm.cat/` and follow the links "Conferences and Workshops" and "Infinity Conference". (ASL Sponsored Meeting.)
- Twenty-third European Summer School in Logic, Language and Information (ESSLLI-2011). *August* 1–12, 2011, *Ljubljana, Slovenia.* The European Summer Schools in Logic, Language and Information focus on the interface between linguistics, logic and computation. Foundational, introductory and advanced courses, together with workshops, cover a wide variety of topics within the three areas of interest: Language and Computation, Language and Logic, and Logic and Computation. The Chair of the Program Committee is M. Kanazawa and the Organizing Committee Chair is D. Fiser. ESSLLI-2011 is organized under the auspices of the European Association for Logic, Language and Information (FoLLI). For more information about ESSLLI-2011 visit `http://esslli2011.ijs.si/`; for further information about FoLLI, visit `http://www.folli.org`. (ASL Sponsored Meeting.)
- Algebra, Combinatorics and Model Theory. *August* 22–26, 2011, *Istanbul, Turkey.* The invited speakers include: E. Bouscaren, G. Cherlin, A. Chernikov, A. Deloro, A. Dolich, D. Evans, M. Hils, M. Malliaris, D. Marker, A. Martin-Pizarro, C. Perin, K. Tent, and S. Yalçinkaya. The members of the Scientific Committee are: A. Berkman, A. Borovik, E. Jaligot, D. Macpherson, and M. Prest. The Organizing Committee includes: Ö. Beyarslan, A. Neman (Coordinator), and P. Uğurlu. For further information, visit `http://home.ku.edu.tr/~modeltheory/`. (ASL Sponsored Meeting.)
- International conference on Algebra and Logic Dedicated to the 100th birthday of Professor V.V. Morozov. *September* 25–30, 2011, *Kazan, Russia.* The invited speakers include: S.A. Badaev, V.V. Bludov, M.V. Bondarko, Yu. L. Ershov, S.S. Goncharov, W.B. Guo, Sh. T. Ishmuhametov, I. Sh. Kalimullin, N.A. Koreshkov, S. Lempp, V.M. Levchuk, A.A. Makhnev, V.D. Mazurov, A.N. Parshin, V.L. Popov, V.G. Puzarenko, M.V. Semenova, W. Shi, K.P. Shum, S.M. Skryabin, A.I. Stukachev, E.P. Vdovin, E.B. Vinberg, S.V. Vostokov, Y. Zhang, and I.B. Zhukov. The Chair of the Program Committee is Yu. L. Ershov and the Chair of the Organizing Committee is M. Arslanov. For further information, visit `http://www.vvmorozov2011.ksu.ru/section.php?id=1&plang=e`. (ASL Sponsored Meeting.)
- History and Philosophy of Computing. *November* 7–10, 2011, *Het Pand, Belgium.* Topics on which this event will focus include: the birth, evolution and future of computation; philosophical, foundational and practical issues of computability in logic, mathematics and computer science; and, computation in the sciences. The invited speakers include: W. Aspray, M. Davis, F. Kamareddine, S. Krämer, G. Sambin, R. Turner and S. Wolfram.

The Conference Chairs are L. De Mol and G. Primiero. For further information, visit `http://www.computing-conference.ugent.be/`. (ASL Sponsored Meeting.)

- Twelfth Asian Logic Conference. *December* 15–20, 2011, *Wellington*, *New Zealand.* This meeting will be held jointly with a meeting of the Australasian Association for Logic (AAL). The tutorial speakers are M. Grohe and Z. Sela. The invited plenary speakers include: M. Detlefsen (joint with AAL), I. Goldbring, N. Greenberg, W. Guohua, H. Ono (joint with AAL), G. Sargsyan, and A. Tsuboi. Special sessions will be offered on the following topics (with organizers in parentheses): algorithmic randomness (A. Nies), logical aspects of algebraic structures (R. Downey and A. Montalban), logical aspects of graphs and matroids (D. Marx and G. Whittle), modal logic (R. Goldblatt and E. Mares), and set theory (Q. Feng and H. Woodin). There will be an additional workshop for students on December 14th featuring the conference tutorial speakers. The Program Committee includes: T. Arai, R. Downey, Q. Feng, S.S. Goncharov, B. Kim, G. Restall, and Y. Yue. The Local Organizing Committee members are: C. Bailey, R. Downey, N. Greenberg, and G. Whatarau. For further information, visit `http://msor.victoria.ac.nz/Events/ALC2011/WebHome`. (ASL Sponsored Meeting.)
- Logical Aspects of Computational Linguistics (LACL 2011). *June* 29–*July* 1, 2011, *Montpellier*, *France.* This is the sixth in a series of international conferences on logical and formal methods in computational linguistics. The Chair of the Scientific Committee is S. Pogodalla and the Co-Chair is J.-P. Prost. For more information, visit `http://lacl.gforge.inria.fr`.
- Third European Set Theory Conference. *July* 3–8 2011, *International Centre for Research in Mathematical Sciences*, *Edinburgh*, *Scotland.* The members of the Program Committee are: J. Bagaria, M. Magidor, J. Väänänen, and P.D. Welch (Chair). For more information, visit `http://www.icms.org.uk` or `http://www.esf.org/activities/esf-conferences/details/2011/confdetail368.html`.
- Twentieth International Conference on Automated Reasoning with Analytic Tableaux and Related Methods (Tableaux 2011). *July* 4–8, 2011, *Bern*, *Switzerland.* This event is co-located with the International Workshop on First-Order Theorem Proving (FTP 2011). The invited speakers for Tableaux 2011 are: M.P. Bonacina, U. Furbach, and K. Terui. The Chairs of the Program Committee for Tableaux 2011 are K. Brünnler and G. Metcalfe. The Chair of the Program Committee for FTP 2011 is M. Giese. For further information about Tableaux 2011, visit `http://www.tableaux11.unibe.ch/`; for more information about FTP 2011, see `http://ftp11.csc.liv.ac.uk/`.
- Twenty-seventh International Conference on Logic Programming (ICLP'11). *July* 6–10, 2011, *Lexington*, *Kentucky.* Since its inception in 1982, this conference series has been the premier international event for presenting research in logic programming. The General Chairs are V. Marek and M. Truszczynski; the Program Chairs are J. Gallagher and M. Gelfond; and, the Workshops Chair is J. Lee. The meeting also includes its seventh Doctoral Consortium, the aim of which is to provide doctoral students with an opportunity to present and discuss their research. For further information, visit `http://www.cs.uky.edu/iclp2011/`.
- Second International Conference and Workshop on Valuation Theory. *July* 18–29, 2011, *Segovia and El Escorial*, *Spain*. The confirmed invited speakers include: S.S. Abhyankar, E. Artal, S. Azgin, V. Berkovich, J.F. de Bobadilla, A. Buium, A. Campillo, R. Cluckers, D. Cutkosky, A. Ducros, C. Favre, M. Hils, J. van der Hoeven, E. Hrushovski, F.-V. Kuhlmann, M. Moghaddam, F. Monserrat, K. Osiak, K. Pal, S. Payne, O. Piltant, F. Pop, A. Reguera, T. Scanlon, M. Spivakovsky, M. Temkin, M. Vaquié, and Y. Yin. The Chair of the Scientific Committee is B. Teissier and the Chair of the Organizing Committee is

F.-V. Kuhlmann. For further information, visit http://www.singacom.uva.es/oldsite/seminarios/ConfWorkVT/.

- London Mathematical Society Northern Regional Meeting and Workshop on Homogeneous Structures. *July* 19–22, 2011, *Leeds, England*. The invited speakers for the LMS Northern Regional Meeting are G. Cherlin and A. Kechris. The invited speakers for the workshop on homogeneous structures include: M. Bodirsky, P. Cameron, G. Cherlin, M. Droste, D. Evans, R. Gray, J. Melleray, J. Mitchell, J. Nesetril, M. Pinsker, C. Rosendal, K. Tent, and A. Vershik. For additional information, contact J. Truss (email: pmtjkt@leeds.ac.u) or visit http://www.maths.leeds.ac.uk/pure/staff/truss/conference.html.

- Fourteenth Congress of Logic, Methodology and Philosophy of Science. *July* 19–26, 2011, *Nancy, France*. This event, held every four years beginning in 1960, is the main international conference organized by the Division of Logic, Methodology and Philosophy of Science (DLMPS) of the International Union of History and Philosophy of Science (IUHPS). The program usually is divided into sections under the headings of Logic, General Philosophy of Science, Philosophical Issues of Particular Sciences, and Science and Society. The Chair of the Executive Committee is W. Hodges, the General Program Committee Chair is P. Schroeder-Heister, and the Chair of the Local Organizing Committee is G. Heinzmann. For more information, visit http://www.clmps2011.org/en/editorial.html.

- Twenty-third International Conference on Automated Deduction (CADE-23). *July* 31–*August* 5, 2011, *Wroclaw, Poland*. The invited speakers are: K. Claessen, B. Cook, X. Leroy, and A. Ranta. The Conference Chair is H. de Nivelle and the Co-chairs of the Program Committee are N. Bjørner and V. Sofronie-Stokkermans. The local organizers are H. de Nivelle and K. Wodzynska. For more information, visit http://cade23.ii.uni.wroc.pl/.

- Set Theory and Higher-Order Logic: Foundational Issues and Mathematical Developments. *August* 1–6, 2011, *London, England*. This is an interdisciplinary summer school, consisting of four days of mini-courses followed by a two-day conference. This event provides a forum in which set theorists and philosophers of mathematics—as well as students of these disciplines—can interact and discuss recent results and debates at the intersection of set-theory and higher-order logic. The mini-course speakers include: J. Bagaria, F. Ferreira, L. Incurvati, J. Hamkins, L. Horsten, H. Leitgeb, J. Väänänen, P. Welch, and A. Visser. The invited conference speakers include: D.A. Martin and G. Uzquiano. The Organizers are: M. Detlefsen, H. Leitgeb, and Ø. Linnebo. For further information, visit http://www.bbk.ac.uk/philosophy/our-research/ppp/summer-school.

- Domains X Workshop 2011. *September* 5–7, 2011, *Swansea, Wales, UK*. Invited speakers include: N. Benton, L. Birkedal, M. Korovina, D. Normann, J. Power, M. Pretnar, T. Streicher, and J. Zucker. This meeting has two non-exclusive themes: 'Modelling of Computational Effects' and 'Modelling Continuous Data.' The Co-chairs of the Program Committee are U. Berger and M. Escardó. For further information, visit http://www.cs.swan.ac.uk/domains2011/.

- Twentieth Annual Conference of the European Association for Computer Science Logic (CSL 2011). *September* 12–15, 2011, *Bergen, Norway*. This meeting is intended for computer scientists whose research activities involve logic, as well as for logicians working on issues significant for computer science. The invited speakers include: T. Ehrhard, M. Otto, M. Vardi, and F. Wolter. The 2011 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 M. Bezem. The members of the Organizing Committee are: I. Adler, M. Bezem, M. Haveraaen, M. Walicki, and U. Wolter. For further information, visit http://www.eacsl.org/csl11.