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NOTICES

- IN MEMORIAM: ERNST SPECKER. Ernst Specker passed away unexpectedly on December 10, 2011, aged almost 92. He began his studies in the department of mathematics of ETH Zurich in 1940, and received his M.Sc. degree in 1945 and his Ph.D. (Dr. sc. math.) in 1948, with theses in topology supervised by Heinz Hopf. During this period Specker also studied logic with Paul Bernays. Among his other teachers were Michel Plancherel, Frederic Gonseth, and Beno Eckemann, who was only slightly older than he was. At the University of Zurich he took courses with Paul Finsler. During the years 1948-1950 he was at the Institute for Advanced Study in Princeton. After his return to Switzerland he taught at the Universities of Geneva and Neuchatel and at ETH Zurich. In 1955 he was appointed professor for mathematics and logic at ETH Zurich, the position he held until his retirement in 1987, heading the Zurich Logic School founded by Paul Bernays. After his retirement he continued to chair the Logic Seminar until a few years ago, and he followed the latest developments in logic and algorithmics with unabated interest until his last days.

  Although compared to the records of many researchers of today Specker's papers are few, each one is a landmark in its respective field. The *Selecta Ernst Specker*, published on the occasion of his 70th birthday bears witness to this. So did the international conferences held in honor of his 60th, 80th and 90th birthdays.

  His work covered algebraic topology, set theory, models of arithmetics, recursion theory, the foundations of quantum mechanics, finite and infinite combinatorics, algorithmics, and complexity. Much of his most influential work has been on Quine's New Foundations, a set theory with a universal set, but he is most famous for the Kochen-Specker theorem in quantum mechanics, showing that certain types of hidden variable theories are impossible. With the recent emergence of quantum information theory this work again plays a central role in the debate around the foundations of quantum computations. Specker's paper on recursive analysis, published in 1949, pioneered research in this field, and his paper on recursive versions of Ramsey's Theorem anticipates the Paris-Harrington-Kirby Theorem. His paper on the application of logic to combinatorics was the first to introduce model theoretic methods into finite combinatorics. In 1970, together with Volker Strassen, he founded a seminar on logic and algorithmics, one of the first of its kind in Europe, and a whole generation of leading theoretical computer scientists was formed in these seminars.

  Ernst Specker was a challenging personality, as a teacher to his students and to his colleagues, but foremost as a human being who always questioned conventions and accepted only what withstood his own critical judgment. An example of this can be found in the mediating role he played during the 1968 youth unrest, where he co-authored, together with the renowned sculptor Gottfried Honegger, the "Zurich Manifesto", warning the frightened citizens of overreaction and calling for a dialogue between the generations. Another example is his public—and later published—lectures on biblical themes in which he offered inspiring and unexpected new angles of interpretation of biblical texts.

  Ernst Specker, in his gently teasing way, forced everyone entering his orbit to reconsider accepted opinions. His questioning mind will live on in the memory of his family, his friends and his many direct and indirect students.

- THE 2011 SACKS PRIZE AWARDED JOINTLY TO M. CAI AND A. DAY. The ASL Committee on Prizes and Awards (with R. Solomon replacing T. Slaman, who recused himself for these deliberations) has selected Mingzhong Cai of the University of Wisconsin, Madison and Adam Day of the University of California at Berkeley as the recipients of the 2011 Sacks

Prize. The prize consists of a cash award plus five years free membership in the ASL for each awardee.

Cai received his Ph.D. in 2011 from Cornell University, under the supervision of Richard Shore. The Prizes and Awards Committee notes that his thesis, *Elements of Classical Recursion Theory: Degree-Theoretic Properties and Combinatorial Properties*, introduces powerful new techniques that are used to solve several longstanding open problems, among the most striking of which are the definability of array nonrecursiveness, and a solution to an old problem of Lerman's about the relation between minimal covers of minimal degrees and the standard jump classes.

Day received his Ph.D. in 2011 from Victoria University of Wellington under the supervision of Rodney Downey. The Committee cited that his thesis, *Randomness and Computability*, draws on the Russian and Western developments in algorithmic randomness, unifies them, and comes to new results straddling both points of view, among them a recursion theoretic analysis of Levin's neutral measure (done jointly with J. Miller), and a sharpening of one of the most famously difficult results in the theory of Kolmogorov complexity, Gac's theorem that monotone complexity and a priori entropy differ.

- Call for Proposals: 2014 AMS-ASL Joint Special Session. The ASL Committee on Logic in North America requests proposals for an AMS-ASL Joint Special Session to be held at the Joint Mathematics Meetings in Baltimore, January 15–18, 2014. Proposals or requests for further information should be sent to the Committee Chair, Matt Valeriote (email: `matt@math.mcmaster.ca`). The deadline for receipt of proposals is January 7, 2013.
- Call for Proposals: 2015 North American Annual Meeting. The ASL Committee on Logic in North America requests proposals for the 2015 ASL North American Annual Meeting, to be held sometime in the first five months of 2015. The committee seeks a university somewhere in North America and a local committee to host the meeting and handle the local arrangements. The ASL meetings ordinarily cycle geographically in the pattern: midwest (Madison 2012), east (Waterloo 2013), west (to be determined 2014). Thus, for 2015 the committee seeks a location in the midwest. Any reasonable proposal, however, will be considered. For more information, interested parties should contact the Committee Chair, Matt Valeriote (email: `matt@math.mcmaster.ca`), no later than November 5, 2012.
- 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 2013 North American Annual Meeting and the 2013 European Summer Meeting; the announcement for travel award applications for these meetings will be made in in the fall of 2012). 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 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.

- 2012 ASL European Summer Meeting (Logic Colloquium '12). *July* 12–18, 2012, *Manchester, England*. Tutorials (with topics in parentheses) will be offered by: I. Farah (set theory), A. Montalban (computability theory), and B. Zilber (model theory). The invited speakers include: J. Avigad, A. Blass, S. Buss, G. Jones, P. Komjath, L. Levin, G. Longo, M. Magidor, Z. Sela, V. Shavrukov, A. Shlapentokh, and M. Soskova. In addition, H. Friedman will deliver the Goodstein Lecture and A. Macintyre will deliver the Turing Lecture, in celebration of the centenaries of the births of R.L. Goodstein and A.M. Turing. The following special sessions (with organizers in parentheses) also are planned: Computability, logical and physical (B. Cooper); Homotopy type theory (S. Awodey); Model theory (M. Tressl); Philosophy of mathematics and computer science (R. Turner); Proof theory (L. Beklemishev); and, Set theory (U. Abraham). The Program Committee members are: U. Abraham, L. Beklemishev, B. Cooper, P. D'Aquino (Chair), A. Dawar, G. Sundholm, M. Tressl, and F. Wolter. The Local Organizing Committee includes: S. Borovik, M. Kambites, J. Paris, M. Prest, H. Simmons, M. Tressl, A. Vencovska, A. Wilkie (Chair), and G. Wilmers. For further information, visit `http://www.mims.manchester.ac.uk/events/workshops/LC2012/index.php`.
- 2013 ASL North American Annual Meeting. *May* 8–*May* 11, 2013, *Waterloo, Ontario, Canada*. 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.
- 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.
- Model Theory in Wrocław 2012. *June* 16–19, 2012, *Wrocław, Poland*. The confirmed invited speakers include: I. Ben Yaacov, J.D. Caicedo, E. Casanovas, J. Dobrowolski, L. van den Dries, G. Jones, T. Kaiser, I. Kaplan, D. Macpherson, J. Mařikova, L. Newelski, G. Onay, J. Ramakrishnan, S. Randriambololona, P. Tanović, and K. Tent. The Organizing/Scientific Committee members are P. Kowalski and K. Krupinski. For further information, visit `http://www.math.uni.wroc.pl/~pkowa/wroclaw12.html`. (ASL Sponsored Meeting.)
- North American Summer School in Logic, Language, and Information (NASSLLI 2012). *June* 18–22, 2012, *Austin, Texas*. This event, loosely modeled on the long-running ESSLLI series in Europe (see `http://www.esslli2012.pl`), will consist of courses and workshops with a focus on interdisciplinary work involving logic, linguistics, computer science, cognitive science, philosophy, and artificial intelligence. The Program Committee Co-chairs are C. Areces and V. de Paiva. The Steering Committee includes: D. Beaver, P. Kolaitis, L. Moss, V. de Paiva, S. Shieber, and M. Vardi. For more information, visit `http://nasslli2012.com/`. (ASL Sponsored Meeting.)
- Turing Centenary Conference; Computability in Europe 2012 (CiE 2012)—How the World Computes. *June* 18–23 2012, *Cambridge, England*. The eighth in a series organized within the network "Computability in Europe" (CiE), CiE 2012 is one of a series of special events, running throughout the Alan Turing Year, celebrating Turing's unique impact on

mathematics, computing, computer science, informatics, morphogenesis, philosophy and the wider scientific world. Invited speakers include: D. Aharonov, V. Becher, L. Blum, R. Downey, Y. Gurevich, J. Hartmanis, A. Hodges, R. Jozsa, S. Kauffman, J. Murray, S. Shieber, P. Smolensky, I. Stewart, and L. Valiant. Special sessions are planned on the following topics (with chairs in parentheses): computational models after Turing: the Church-Turing Thesis and beyond (M. Davis and W. Sieg); cryptography, complexity, and randomness (R. Downey and J. Lutz); morphogenesis/emergence as a computability theoretic phenomenon (P. Maini and P. Sloot); open problems in the philosophy of information (P. Adriaans and B. Löwe); the Universal Turing Machine and the history of the computer (J. Copeland and J. Tucker); and, the Turing Test and thinking machines (M. Bishop and R. Verbrugge). The Program Committee Co-Chairs are S.B. Cooper and A. Dawar, and the Chair of the Local Organizing Committee is A. Dawar. For more information, visit `http://www.cie2012.eu`. (ASL Sponsored Meeting.)

- Twenty-seventh Annual IEEE Symposium on Logic in Computer Science (LICS 2012). *June* 25–28, 2012, *Dubrovnik*, *Croatia*. The LICS Symposium is an annual international forum on theoretical and practical topics in computer science that relate to logic in a broad sense. The Program Chair is N. Dershowitz, the General Chair is R. Alur, and the Conference Co-Chairs are V. Lipovac and A. Scedrov. For further information, visit `http://www2.informatik.hu-berlin.de/lics/lics12/`. (ASL Sponsored Meeting.)
- Seventh International Conference on Computability, Complexity and Randomness (CCR 2012). *July* 2–6, 2012, *Cambridge*, *England*. This event will be held at the Isaac Newton Institute for Mathematical Sciences as a part of the semester-long Institute program, *Semantics and Syntax*: *A Legacy of Alan Turing*. The confirmed invited speakers include: G. Barmpalias, V. Brattka, A. Day, J. Hitchcock, M. Hoyrup, M. Koucký, A. Lewis, J. Lutz, A. Nies, A. Shen, S. Simpson, and D. Turetsky. The Co-chairs of the Program Committee are E. Mayordomo and W. Merkle. For further information, visit `http://math.uni-heidelberg.de/logic/conferences/ccr2012/`. (ASL Sponsored Meeting.)
- 8th Scandinavian Logic Symposium 2012. *August* 20–21, 2012, *Roskilde*, *Denmark*. This event is the first major initiative of the newly revived Scandinavian Logic Society (SLS, `http://scandinavianlogic.org/`). The invited speakers include: N. Bjorner, R. Iemhoff, P. Martin-Löf, and B. Velickovic. The Co-chairs of the Program Committee are N. Jones and E. Palmgren. The Organizing Committee includes: P.R. Blackburn, K.F. Jørgensen, and S.A. Petersen. For further information, visit `http://scandinavianlogic.weebly.com/`. (ASL Sponsored Meeting.)
- East-Asian School on Logic, Language, and Computation (EASLLC 2012). *August* 27–31, 2012, *Chongqing*, *China*. This is a school for graduate students and postdoctoral scholars, similar in spirit to the annual ESSLLI summer schools in Europe and the 2010 Sino-European Summer School on Logic, Language, and Computation. The program will consist of nine courses in three different tracks: logic, language, and computation. It will also feature one plenary evening talk for a wider audience. For the logic track the lecturers include: F. Liu, R. Parikh, and J. Väänänen. The lecturers for the language track are: P. Jacobson, G.K. Pullum, and D. Westerståhl. For the computation track, the speakers are: K.R. Apt, P.G. Kolaitis, and M.Y. Vardi . The Program Committee Chair is P.G. Kolaitis, and the Local Organizers are M. Guo, M. Ma, X. Tang, and J. Wang. An international conference will precede the school on August 25–26, 2012. For more information, visit `http://home.hib.no/prosjekter/easllc2012/`. (ASL Sponsored Meeting.)
- Nineteenth Workshop on Logic, Language, Information and Computation (WoLLIC'2012). *September* 3–6, 2012, *Buenos Aires*, *Argentina*. This is the nineteenth in a series of workshops intended to foster interdisciplinary research in pure and applied logic. The

Chair of the Program Committee is L. Ong. The Co-chairs of the Organizing Committee are C. Areces and R. de Queiroz. For further information, visit `http://wollic.org/wollic2012/`. (ASL Sponsored Meeting.)

- SIXTH INTERNATIONAL JOINT CONFERENCE ON AUTOMATED REASONING (IJCAR 2012). *June* 26–*July* 1, 2012, *Manchester, England.* This event merges the following leading events in automated reasoning: CADE (*International Conference on Automated Deduction*), FroCoS (*International Symposium on Frontiers of Combining Systems*), FTP (*International Workshop on First-order Theorem Proving*), and TABLEAUX (*International Conference on Automated Reasoning with Analytic Tableaux and Related Methods*). The Conference Chairs are K. Korovin and A. Voronkov, and the Program Chairs are B. Gramlich, D. Miller, and U. Sattler. For further information, visit `http://ijcar.cs.manchester.ac.uk/`.
- MODEL THEORY IN ALGEBRA, ANALYSIS AND ARITHMETIC. *July* 2–6, 2012, *Cetraro, Italy.* This event, under the auspices of the 2012 program of CIME (International Mathematical Summer Center) includes the following four courses (with lecturers in parentheses): Model theory of valued fields (L. van den Dries); On the model theory of real and complex exponentiation (A. Wilkie); Theories without the independence property (A. Pillay); and, Undecidability in number theory (J. Koenigsmann). Additional talks by A. Macintyre and S. Starchenko are also planned, and there will be a poster session. The course directors are D. Macpherson and C. Toffalori. For further information visit `http://php.math.unifi.it/users/cime/` or contact C. Toffalori at `carlo.toffalori@unicam.it`.
- THIRTY-NINTH INTERNATIONAL COLLOQUIUM ON AUTOMATA, LANGUAGES AND PROGRAMMING (ICALP 2012). *July* 9–13, 2012, *Warwick, UK.* This event is the main conference and annual meeting of the European Association for Theoretical Computer Science (EATCS). The conference is also one of the Alan Turing Centenary Celebration events. The three program tracks are: algorithms, complexity and games; logic, semantics, automata and theory of programming; and, foundations of networked computation. The main conference will be preceded by a series of workshops. The invited speakers are: G. Dowek, K. Honda, S. Leonardi, D.A. Spielman, and B. Vöcking. The Conference Chair is A. Czumaj. For further information, visit http://www2.warwick.ac.uk/go/icalp2012.
- TWENTY-FOURTH EUROPEAN SUMMER SCHOOL IN LOGIC, LANGUAGE AND INFORMATION (ESSLLI-2012). *August* 6–17, 2012, *Opole, Poland.* 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 A. Herzig and the Local Co-chair is A. Pietryga. The Organizing Committee Co-Chairs are J. Czelakowski and U. Wybraniec-Skardowska. ESSLLI-2012 is organized under the auspices of the European Association for Logic, Language and Information (FoLLI). For more information about ESSLLI-2012, visit `http://www.esslli2012.pl`; for further information about FoLLI, visit `http://www.folli.org`.
- ADVANCES IN MODAL LOGIC (AIML) 2012. *August* 22–25, 2012, *Copenhagen, Denmark*. This is the ninth conference in a series aimed at presenting an up-to-date picture of the state of the art in modal logic and its many applications. The Co-chairs of the Program Committee are S. Ghilardi and L. Moss. The Organizing Committee Co-chairs are T. Bolander and T. Braüner. For further information visit `http://hylocore.ruc.dk/aiml2012`.
- TWENTY-EIGHTH INTERNATIONAL CONFERENCE ON LOGIC PROGRAMMING (ICLP 2012). *September* 4–8, 2012, *Budapest, Hungary.* The General Chair is P. Szeredi, and the Program Committee Chairs are A. Dovier and V. Santos Costa. For further information, visit `http://www.cs.bme.hu/iclp2012/`.