THE BULLETIN OF SYMBOLIC LOGIC
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NOTICES

- THE 2005 SACKS PRIZE AWARDED TO A. MONTALBÁN. The ASL Committee on Prizes and Awards has selected Antonio Montalbán of the the University of Chicago as the recipient of the 2005 Sacks Prize. Montalbán received his Ph.D. in 2005 from Cornell University, under the supervision of Richard Shore. The Committee's citation reads: "The thesis, entitled *Beyond the Arithmetic*, contains deep and major contributions to an impressively broad array of areas in logic, including computability theory, reverse mathematics, and effective mathematics. It uses a wide arsenal of techniques from set theory, computability theory, proof theory and combinatorics including the development of a new class of invariants for countable linear orderings." The prize consists of a cash award plus five years free membership in the ASL.
- CHANGE IN ASL MEMBERSHIP AND SUBSCRIPTION FULFILLMENT PROVIDER. As of June 1, 2005, membership and subscription fulfillment services for the journals of the Association for Symbolic Logic are handled by the American Mathematical Society. For additional information you may contact the American Mathematical Society at: Association for Symbolic Logic, c/o American Mathematical Society, 201 Charles Street, Providence, RI 02904-2294; email `asl-service@ams.org`. For up-to-date information, visit the ASL website: `http://www.aslonline.org`.
- REDUCED DUES FOR INDIVIDUALS AND INSTITUTIONS IN DEVELOPING ECONOMIES. In 2003, the ASL approved a program to offer reduced dues for individual and institutional members in developing economies. For 2006, the reduced dues are US$18 for individuals and US$130 for institutional members. These dues apply to individuals and institutions residing in countries whose economies are classified as 'lower middle income' or below on the World Bank's annual list. 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 now offers reduced dues for individual members who are unemployed. For 2006, the reduced dues are US$38. 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`.
- PERSPECTIVES IN MATHEMATICAL LOGIC VOLUMES AVAILABLE. This series is now being published by the Association for Symbolic Logic, under the new name *Perspectives in Logic*. Owing to the generosity of Springer-Verlag, the former publisher of the series, the ASL has made the existing stock of certain books in the series available to the logic community at low prices, as has been done with the *Lecture Notes in Logic*. (Some books in the series will continue to be made available by Springer-Verlag; others will be reprinted by the ASL.) An order form for the volumes sold by the ASL can be obtained online at `http://www.aslonline.org/files/Perspectivesorderform.pdf`, or by writing to the ASL Business Office.
- BOOK DISCOUNTS FOR ASL MEMBERS. Several publishers now offer discounts on books to ASL members. For a detailed description of these discounts, visit `http://www.aslonline.org/books-discounts.html` on the ASL website, or write to the ASL Business Office.

- Student Travel Awards: The 2006 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 2006 ASL Annual Meeting in Montreal, Canada, or the 2006 ASL European Summer Meeting in Nijmegen, The Netherlands; 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, in the case of an ASL student member application to attend an ASL or ASL-sponsored meeting other than the Annual Meeting or European Summer Meeting*, 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 to the ASL Annual Meeting and the European Summer Meeting is supported by a grant from the US National Science Foundation; NSF funds may be awarded only to students at US 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 2006 ASL European Summer Meeting, applications and recommendations should be received before the deadline of April 3, 2006, by the Organizing Committee: Logic Colloquium 2006, ICIS Faculty of Science, Radboud University Nijmegen, P.O. Box 9010, 6500 GL Nijmegen, The Netherlands; email: `lc2006@cs.ru.nl`.

  For ASL student member travel grants to other ASL or ASL-sponsored meetings, 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.

- 2006 ASL Annual Meeting. *May 17–21, 2006, Montreal, Canada.* The invited speakers include: E. Bouscaren, P. Kremer, C. LaFlamme, A. Montalbán, J. Moore, P. Scott, H. Schwichtenberg, S. Shapiro, P. Speissegger, and B. Spitters. The Seventeenth Annual Gödel Lecture will be given by P. Martin-Löf, and a tutorial on quantum information theory will be offered by P. Selinger. The invited program also includes a symposium to commemorate the centennial of the birth of Gödel, in which J. Avigad, S. Friedman, and A. Kanamori will speak. Special sessions are planned in categorical logic/quantum information theory, effective aspects of measure theory and analysis, model theory, and set theory. The members of the Program Committee are: S. Feferman, S. Kuhlmann, D.A. Martin, P. Panangaden, S. Simpson, and M. Valeriote (Chair). The members of the Local Organizing Committee include: L. Bélair, F. Lepage, M. Marion (Chair), and P. Panangaden.

- 2006 ASL European Summer Meeting (Logic Colloquium '06). *July 27–August 2, 2006, Nijmegen, The Netherlands.* The Program Committee includes: B. Cooper, S. Friedman, H. Geuvers, D. Macpherson, G. Mints, A. Pillay, M. Rathjen, R. Schindler, H. Schwichtenberg (Chair), R. Shore, W. Sieg, G. Sundholm, and J. Väänänen. The Local Organizing Committee includes: H. Geuvers (Chair), N. Messink, B. Spitters, and F. Wiedijk. 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 April 17, 2006 at the official meeting address: Logic

Colloquium 2006, ICIS Faculty of Science, Radboud University Nijmegen, P.O. Box 9010, 6500 GL Nijmegen, The Netherlands; email: `lc2006@cs.ru.nl`.

- 2007 ASL Annual Meeting. *March 10–13, 2007, Gainesville, Florida.* The Program Committee members are: M. Aschenbrenner, M. Dzamonja (Chair), N. Immerman, J. Larson, J. Miller, and J. Tappenden. The members of the Local Organizing Committee include: D. Cenzer, G. Emch, W. Mitchell, G. Ray, M. Sitharam, and J. Zapletal (Chair).
- Rules for Abstracts. The rules for abstracts of contributed talks at ASL meetings (including those submitted "by title") may be found at the web site `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.
- XIV Brazilian Logic Conference. *April 24–28, 2006, Itatiaia, Rio de Janeiro, Brazil.* Topics for this meeting include: algebraic logic, logic and computation, history of logic, logic and education, model theory, non-classical logics, philosophy of formal sciences, and set theory. This event will also celebrate the centennial of the birth of Kurt Gödel. The members of the Program Committee are: X. Caicedo, W. Carnielli, O. Chateaubriand, J.C. Cifuentes, R. Cignoli, M.E. Coniglio, N. da Costa, J.J. da Silva, I.L. D'Ottaviano, C. Di Prisco, N.G. Gomes, D. Krause, R. Lewin, T. Pequeno, R. de Queiroz, M. Ruffino, and P. Veloso. The members of the Organizing Committee include: O. Chateaubriand (Chair), M. Correa, E.H. Haeusler, G. Hamazaki, and L.C. Pereira. For further information, send email to `XIVEBL@inf.puc-rio.br`, or visit `http://XIVEBL.inf.puc-rio.br/`. (ASL Sponsored Meeting.)
- Computability in Europe 2006 (CiE 2006): Logical Approaches to Computational Barriers. *June 30–July 5, 2006, Swansea, Wales.* This meeting is being organized within the network "Computability in Europe" (CiE). The particular focus of the event is on aspects of logical approaches to computational barriers. There will be tutorials on Logical Approaches to the P vs. NP problem (S. Buss) and, "Quantum Algorithms: Standard Tools and New Models" (J. Kempe). Invited speakers include: J. Bergstra, L. Cardelli, J.W. Dawson, J. Krajíček, E. Mayordomo Cámara, I. Németi, H. Schwichtenberg, and A. Weiermann. Special sessions also are planned on Challenges in Complexity, Computable Analysis, Foundations of Programming, Gödel Centenary: His Legacy for Computing, Mathematical Models of Computers and Hypercomputers, and Proofs and Computation. The Co-chairs of the Program Committee are A. Beckmann and J. Tucker. The Organizers are: A. Beckmann (Chair), U. Berger, B. Cooper, P. Grant, O. Kullmann, B. Löwe, M. Seisenberger, A. Setzer, and J. Tucker. For further information, visit `http://www.cs.swansea.ac.uk/cie06/`. (ASL Sponsored Meeting.)
- Thirteenth Workshop on Logic, Language, Information and Computation (WoLLIC'2006). *July 18–21, 2006, Stanford, California.* This is the thirteenth in a series of workshops intended to foster interdisciplinary research in pure and applied logic. The Program Committee includes: J. Avigad, J. van Benthem, M. Davis, K. Devlin, E. Hirsch, G. Hjorth, D. Israel, V. Kreinovich, G. Mints, I. Neeman, H. Ono, W. Pohlers, V. Pratt, and T. Scanlon. The members of the Organizing Committee are: A.G. de Oliveira, V. de Paiva, M. Pauly, and R. de Queiroz. For further information, visit `http://www.cin.ufpe.br/~wollic/wollic2006/`. (ASL Sponsored Meeting.)
- Twenty-first Annual IEEE Symposium on Logic in Computer Science (LICS 2006). *August 12–15, 2006, Seattle, Washington.* The LICS Symposium is an annual international forum on theoretical and practical topics in computer science that relate to logic in a broad sense. LICS 2006 will be held as part of the Fourth Federated Logic Conference (FLoC'06). The invited speakers include: A. Blass, A. Gordon, and O. Kupferman. There also will be

a joint LICS/RTA/SAT plenary lecture given by R. Bryant. The LICS Program Chair is R. Alur, and the LICS General Chair is P. Kolaitis. For further information about LICS, visit `http://www.lfcs.informatics.ed.ac.uk/lics`; for additional information about FLoC'06, see `http://research.microsoft.com/floc06/`. (ASL Sponsored Meeting.)

- Mid-Atlantic Mathematical Logic Seminar (MAMLS). *April 7, 2006, New York, New York.* This event is held in honor of the late Stanley Tennenbaum. The invited speakers include: W. Howard, A. Kanamori, J. Kennedy, A. Macintyre, and M. Manucci. The members of the Organizing Committee are: A. Apter, J. Hamkins, J. Kennedy, R. Kossak (Chair), and R. Miller. For further information, visit `http://mamls.org/Tennenbaum`.
- New Directions in Proof Complexity. *April 10–13, 2006, Cambridge, England.* This workshop is part of the Spring 2006 program on "Logic and Algorithms" at the Isaac Newton Institute for Mathematical Sciences. This event aims to bring together researchers in various parts of mathematics and computer science interested in proof complexity in order to expose, through invited and contributed lectures, current developments in subject as well as new ideas and directions of research pursued most recently. The Organizers are S. Buss and J. Krajíček. For further information, visit `http://www.newton.cam.ac.uk/programmes/LAA/laaw04.html`.
- Logic, Models and Computer Science (LMCS06). *April 20–22, 2006, Camerino, Italy.* This workshop aims to bring together researchers interested in the interactions between mathematical logic and several fields in computer science. LMCS06 also will honor the memory of Sauro Tulipani, who so largely and brilliantly contributed to this research area. The invited speakers provisionally include: L. Aceto, R. Camerlo, A. Capotorti/M. Baioletti, R. De Nicola, M. Dezani, W. Hodges, G. Longo, A. Macintyre, J. Makowski, D. Mundici, and G. Sambin. The Co-chairs of the Program Committee are F. Corradini and C. Toffalori. For further information, visit `http://www.unicam.it/matinf/lmcs06`.
- Horizons of Truth: Gödel Centenary 2006. *April 27–29, 2006, Vienna, Austria.* This international symposium will celebrate the one-hundredth birthday of Kurt Gödel. The program includes more than twenty lectures by eminent scientists in the fields of logic, mathematics, philosophy, physics, cosmology, and theology. A young researcher's competition also is planned, with a 20,000 euro prize for the best project. The Honorary Chair of the event is G. Takeuti, President of the Kurt Gödel Society. The members of the Program Committee include: M. Baaz (Chair), H. Choi, S D. Friedman, G. Gottlob, C. Harper, A. Leitsch, K. Sigmund, F. Stadler, and A. Zeilinger. For further information, visit `http://www.logic.at/goedel2006/`.
- 2006 Greater Boston Logic Conference. *May 12–14, 2006, Cambridge, Massachusetts.* The invited speakers include: P. Cholak, B. Csima, M. Dzamonja, H. Mildenberger, J. Millar, B. Miller, J. Miller, A. Montalbán, R. Moosa, and R. Weber. The members of the Organizing Committee are A. Chan, P. Fejer, C. Goddard, A. Kanamori, and G. Sacks (Chair). Financial support for graduate students and postdoctoral researchers is anticipated. For further information, visit `http://www-math.mit.edu/conferences/logic/`.
- MODNET Training Workshop. *June 15–21, 2006, Lyon, France.* This event, the first training workshop in the MODNET European Research Training Network conference series, will include courses (with speakers in parentheses) on algebraic complexity theory (P. Koiran), Hrushovski amalgamation constructions (M. Ziegler), and Simplicity theory (F. Wagner). All are welcome to attend, but only MODNET funded students are eligible for MODNET support. For further information, contact F. Wagner (email: `wagner@math.univ-lyon1.fr`).

- LOGICA 2006. *June 19–23, 2006, Hejnice, Czech Republic.* This event, organized by the Institute of Philosophy of the Academy of Sciences of the Czech Republic, is the twentieth in a series of international symposia devoted to logic. Invited speakers include: M. Cresswell, G. Hellman, A. Koslow, and P. Stekeler-Weithofer. The Co-chairs of the Organizing Committee are T. Childers and V. Svoboda. For further information, visit `http://www.flu.cas.cz/Logica/Aconf/log2006.html`.
- LOGICUM LUGDUNENSIS. *June 22–24, 2006, Lyon, France.* Following the MODNET Training Workshop (see above), there will be a three-day conference in honor of B. Poizat, the founder of the Lyon model theory school. The organizers are: T. Altinel, T. Blossier, A. O. Houcine, E. Jaligot, and F. Wagner.
- SIGMOD/PODS 2006. *June 26–29, 2006, Chicago, Illinois.* This event brings together the annual A.C.M. Symposium on Principles of Database Systems (PODS) and the A.C.M. Special Interest Group on Management of Data (SIGMOD) conference. PODS provides a premier annual forum for the communication of new advances in the theoretical foundation of database systems. The SIGMOD conference is a leading international forum for database researchers, developers, and users to explore cutting-edge ideas and results, and to exchange techniques, tools, and experiences. The Chair of the PODS Program Committee is J. Van den Bussche and the Chair of the SIGMOD Program Committee is S. Chaudhuri. Affiliated workshops will be held on June 25 and 30. For further information, visit `http://tangra.si.umich.edu/clair/sigmod-pods06/index.html`.
- GAMES AND VERIFICATION. *July 3–7, 2006, Cambridge, England.* This workshop is the first annual meeting of GAMES, a research training network funded by the European Community, and is part of the Spring 2006 program on "Logic and Algorithms" at the Isaac Newton Institute for Mathematical Sciences. This event aims to bring together researchers who work in the several different areas in the theory of computation in which games play an important role. The invited speakers include: R. Alur, J. van Bentham, D. Caucal, G. Gottlob, D. Monderer, and M. Vardi. The Organizers are E. Graedel, C.-H. L. Ong, and C.P. Stirling. For further information, visit `http://www.newton.cam.ac.uk/programmes/LAA/laaw06.html`.
- TWENTY-FIRST SUMMER CONFERENCE ON TOPOLOGY AND ITS APPLICATIONS. *July 6–9, 2006, Statesboro, Georgia, U.S.* This event includes several topics of interest to logicians. The invited speakers include: S. Dolecki, M. Escardo, N. Hindman, M. Hrusak, W. Tholen, and J. Vaughan. Workshops will be offered by K. Martin and M. Scheepers. The organizers are: M. Abell, F. Jordan, F. Mynard, and S.-M. Ngai. The deadline for submission of abstracts is May 31, 2006. For further information, visit `http://www.cs.georgiasouthern.edu/faculty/mynard_f/STC06.htm`.
- EIGHTH INTERNATIONAL WORKSHOP ON DEONTIC LOGIC IN COMPUTER SCIENCE (DEON2006). *July 12–14, 2006, Utrecht, The Netherlands.* This biennial event focuses on research linking the formal-logical study of normative concepts and systems with computer science, artificial intelligence, philosophy, organization theory, and law. There also will be a special focus this year on artificial normative systems. The invited speakers are: J. Carmo, F. Dignum, and P. Petta. The Program Co-chairs are L. Goble and J.-J. Ch. Meyer. For further information, visit `http://www.cs.uu.nl/deon2006/`.
- CLASSIFICATION THEORY FOR ABSTRACT ELEMENTARY CLASSES. *July 17–21, 2006, Palo Alto, California.* This workshop, sponsored by the American Institute of Mathematics and the U.S. National Science Foundation, will focus on Shelah's categoricity conjecture for abstract elementary classes and the broader program of developing a classification theory for abstract elementary classes. Participants will be invited to suggest open problems and questions before the workshop begins, and these will be posted on the workshop website. Lectures at

the workshop will be focused on familiarizing the participants with the background material leading up to specific problems, and the schedule will include discussion and working sessions. To apply for space and funding, complete the online form at the website below by April 5, 2006. The organizers are R. Grossberg and M. VanDieren. For further information, visit `http://www.aimath.org/ARCC/workshops/categoricity.html`.

- Eighteenth European Summer School in Logic, Language and Information (ESSLLI-2006). *July 31–August 11, 2006, Malaga, Spain.* The main focus of the European Summer Schools in Logic, Language and Information is 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. ESSLLI-2006 is organized under the auspices of the European Association for Logic, Language and Information (FoLLI). For further information about ESSLLI-2006, visit `http://esslli2006.lcc.uma.es`; for further information about FoLLI, see `http://www.folli.org`.
- Fourth Federated Logic Conference (FLoC'06). *August 10–22, 2006, Seattle, Washington.* This event brings together several synergistic conferences that apply logic to computer science. The following six conferences will participate in FLoC '06: Conference on Computer-Aided Verification (CAV), International Conference on Logic Programming (ICLP), International Joint Conference on Automated Deduction (IJCAR), the ASL-sponsored IEEE Symposium on Logic in Computer Science (LICS), Conference on Rewriting Techniques and Applications (RTA), and the International Conference on Theory and Applications of Satisfiability Testing (SAT). The General Chair for FLoC'06 is M. Vardi and the Conference Chair is J. Rehof. For further information, visit `http://research.microsoft.com/floc06/`.
- International Symposium on Formal Methods (FM 2006). *August 21–28, 2006, Hamilton, Ontario, Canada.* This is the fourteenth annual meeting in this series, sponsored by Formal Methods Europe. All aspects of formal methods research, both theoretical and practical, are welcome. Topics include: tools for formal methods, theoretical foundations (specification, refining, static analysis, model-checking, verification), and formal methods in practice (case studies). For more information, contact the General Chair, E. Sekerinski (email: `emil@mcmaster.ca`) or visit `http://fm06.mcmaster.ca/`.
- Relations and Kleene Algebra in Computer Science (RelMiCS/AKA 2006). *August 29–September 2, 2006, Manchester, England.* This joint event brings together the Ninth International Conference on Relational Methods in Computer Science and the Fourth International Workshop on Applications of Kleene Algebra. The General Chair is R. Schmidt and the Program Chair is G. Struth. For further information, visit `http://www.cs.man.ac.uk/relmics06/`.
- Linear Logic in Computer Science. Editors: T. Ehrhard, J.-Y. Girard, P. Ruet, and P. Scott (Cambridge University Press, 2004, ISBN: 0-521-60857-0). `http://www.cambridge.org/catalogue/catalogue.asp?isbn=0521608570`.
- Advanced Topics in Types and Programming Languages. Editor: B.C. Pierce (MIT Press, 2004, ISBN: ISBN 0-262-16228-8). `http://mitpress.mit.edu/0262162288`.
- New Journal: International Journal of Mathematical and Computer Sciences. The journal's mission is to foster interdisciplinary and transdisciplinary research through publication of original research papers in any of the areas of the mathematical and computer sciences. For more information, visit `http://www.icmcs.org`.