

# Curriculum Vitae, Anand Pillay

June 1, 2009

## **Education.**

B.A. Oxford in Mathematics and Philosophy, 1973.

M.Sc., London, in Pure Mathematics, 1974.

Ph.D., London, Mathematics, 1978.

## **Positions.**

Royal Society Fellow, Paris VII, 1978-79.

CNRS invited researcher, Paris VII, 1979-81.

Temporary Lecturer, Manchester University, 1981-82.

Visiting Assistant Professor, McGill University, 1982-83.

Assistant Professor, University of Notre Dame, 1983-1986.

Associate Professor, University of Notre Dame, 1986-1988.

Humboldt Foundation Fellow, University of Kiel, Jan-June 1988.

Full Professor, University of Notre Dame, 1988-1996.

Humboldt Foundation Fellow, Freiburg University, Autumn 1992.

Van Vleck Visiting Professor, Wesleyan University, Spring 1993.

Professor Invité, University of Lyon 1, May 1994.

Swanlund Chair and Professor, University of Illinois, 1996-2006.

Visiting researcher, Fields Institute, Toronto, Autumn 1996.

Member and co-organizer, MSRI, Berkeley, Jan-June 1998.

Humboldt Foundation Research Award Winner, at Humboldt University, Berlin, June-December 2001.

Professor invité, Univ. Paris VI, June 2003.

Member and organizer, Newton Institute, Cambridge, Jan-July 2005.

Marie Curie Chair, University of Leeds, 2005-2008.

Chair of Mathematical Logic, University of Leeds, 2005-

Swanlund Chair and Professor Emeritus, University of Illinois, 2006 -

**Honours/special lectures**

Invited speaker at the International Congress of Mathematicians, Zurich, 1994.

Britton Lectures (distinguished lecture series), McMaster University, 1996.

Distinguished visitor lecture series at the Southwest Center for Arithmetical Algebraic Geometry, Univ. Arizona, 2000.

Humboldt Foundation Research Prize, 2001.

Invited speaker, International Congress for Logic, Methodology, and the Philosophy of Science, Oviedo, Spain, August 2003.

Plenary speaker, Canadian Math. Soc. meeting, Vancouver, December 2003.

Tarski Lecture (distinguished lecture series), Berkeley, 2009.

**Grants.**

National Science Foundation, 1984-89 and 1990-2003.

National Science Foundation Focused Research Grant (with Lou van den Dries and Ward Henson), 2001-2005 (around \$900,000.00).

National Science Foundation, 2003-2008 (around \$500,000.00).

EPSRC, 2007-2010 (around 430,000 pounds).

**Teaching experience.**

At the undergraduate level: calculus, “discrete mathematics”, real analysis, geometry, abstract algebra, “fundamentals of mathematics” (proof writing etc.), logic, computability, combinatorics.

At the graduate level: logic, model theory, set theory, recursion theory.

“Magic” course on model theory and applications, Leeds, Spring 2008.

**Invited talks since 1994.**

UCLA, 1994.

Oberwolfach, Germany, 1994.

International Congress of Math., Zurich (Invited Address), 1994.

Manchester, England, 1994.

University of Chicago, 1995.

University of Illinois at Chicago, 1995.

MIT (Boston Logic meeting), 1995.

Bogota, Colombia (Latin American Logic meeting), 1995.

Haifa, Israel (ASL meeting), 1995.

Florence, Italy, 1995.

Lyon, France, 1995.

Univ. Illinois at Chicago (Colloquium), 1995.  
 Vanderbilt University (Colloquium), 1995.  
 UIUC, 1996.  
 NYU, 1996.  
 Beijing, China (Asian Logic meeting), 1996.  
 Durham, England (Symposium), 1996.  
 Fields Institute, Toronto (NATO meeting), 1996.  
 McMaster, Ontario (Briton Lectures), 1996.  
 Univ. Paris VII, France, 1996.  
 Univ. Oxford, England, 1997.  
 CRM, Barcelona, 1997.  
 Univ. Illinois at Chicago, 1997.  
 Albuquerque (AMS meeting), 1997.  
 MSRI, Berkeley, 1998.  
 Isaac Newton Institute, Cambridge, England, 1998.  
 Stanford Univ., 1998.  
 MSRI (workshop), 1998.  
 Berlin, Germany (German Math. Logic Soc.), 1998.  
 Luminy, France, 1999.  
 UQAM, Montreal, 1999.  
 Maxwell Institute, Edinburgh, 1999.  
 Leeds University, England, (colloquium) 1999.  
 Univ. Paris VII, France, 1999.  
 Utrecht, Holland (tutorial at ASL meeting) 1999.  
 Univ. Notre Dame, 1999.  
 UIUC (Model theory and Number Theory workshop), 1999.  
 Oberwolfach, Germany, 2000.  
 Univ. Maryland (colloquium), 2000.  
 Univ. Arizona (distinguished visitor lecture series), 2000.  
 Barcelona, Spain (Barcelona Logic Meeting), 2000.  
 Fields Institute, Toronto (Simple Theories Workshop), 2000.  
 Lyon, France (Cave des Groupes), 2000.  
 New Orleans (AMS meeting), 2001.  
 Rutgers 2001 Logic Conference, February 2001.  
 Wesleyan Univ. (colloquium), March 2001.  
 Banach Centre, Bedlewo, Poland (Differential Galois Theory meeting), May-June 2001.

University of Wurzburg (colloquium), July 2001.  
University of Regensburg, July 2001.  
Lyon (AMS-SMF meeting), July 2001.  
University of Nancy, October 2001.  
University of Paris VII, October 2001.  
Barcelona (Model theory meeting), October 2001.  
IMUB, Barcelona (colloquium), October 2001.  
Humboldt University, Berlin (colloquium), November 2001.  
University of Tübingen (60th birthday conference for Ulrich Felgner), November 2001.  
University of Freiburg, November 2001.  
Oxford University, December 2001.  
San Diego (AMS meeting), January 2002.  
Univ. Notre Dame, logic seminar, February 2002.  
Univ. Illinois at Chicago, Midwest model theory meeting, April 2002.  
European Conference on Model Theory, Ravello, May 2002.  
Luminy, Simple theories meeting, July 2002.  
Cape Town University, South Africa, Colloquium, August 2002.  
Stellenbosch University, South Africa, number theory seminar, August 2002.  
Cape Town University, South Africa, series of invited seminars, August 2002.  
University of Wisconsin-Madison, Colloquium, October 2002.  
Carnegie Mellon University, invited speaker, Mid-Atlantic Math. Logic meeting, November 2002.  
Tucson, Arizona, series of lectures, Winter School on Logic and Number Theory, March 2003.  
UIC, seminars and colloquium, March 2003.  
Univ. Paris VI, June 2003.  
Valencia AMS, June 2003.  
Lisbon, European meeting on  $\omega$ -minimality, June 2003.  
Univ. Naples II, Italy, July 2003.  
Oviedo, Spain, August 2003.  
Montreal, August 2003.  
Tehran, Iran, IPM, October 2003.  
Vancouver, CMS plenary talk, Dec. 2003.  
Phoenix, AMS, Jan. 2004.  
University of East Anglia, Jan. 2004.  
Western Illinois University, Colloquium, March 2004.

Banff meeting on model theory, invited talk, March 2004.  
 Univ. Wisconsin at Madison, logic seminar, March 2004.  
 Oberwolfach meeting in model theory, July, 2004.  
 Luminy, meeting on model theory, groups, and geometry, September 2004.  
 University of Leeds, December 2004  
 Newton Institute, Cambridge, February 2005, April 2005, June 2005.  
 University of Nottingham, April 2005.  
 British Logic Colloquium, Bristol, Invited talk, September 2005.  
 University of Illinois, October 2005.  
 Oxford University, November 2005.  
 University of Newcastle (Colloquium), November 2005.  
 University of Barcelona, January 2006.  
 University of Wisconsin, February 2006.  
 University of Illinois, March 2006.  
 University of Freiburg, Modnet meeting, 5 talks on Algebraic Geometry, April 2006.  
 University of Lyon 1, invited talk, Model theory meeting, June 2006.  
 Univ. Lyon 1, seminar in Model Theory and Geometry, June 2006.  
 Maxwell Institute, Workshop on Differential Algebra and Integrable systems, August 2006.  
 Bretton Hall, Mathlogaps tutorial, August 2006.  
 British Logic Colloquium, Oxford, September 2006.  
 University of Illinois, Logic seminar, September 2006.  
 American Inst. of Maths meeting on model theory of metric structures, September 2006.  
 Modnet meeting in Antalya, tutorial on NIP theories, November 2006.  
 Logic and Geometry Day, IHES, Paris, Invited talk on Model Theory and Kaehler geometry.  
 Oberwolfach meeting, invited talk on free groups, January 2007.  
 Algebraic Geometry seminar, MPI, Bonn, April 2007.  
 Logic seminar, Berlin, March-April 2007.  
 UIUC Model Theory Seminar, May 2007.  
 Leeds workshop in differential fields, June 2007.  
 Northern Geometric Group Theory meeting, Glasgow, June 2007.  
 ICMS workshop on Hilbert's 10th problem, June 2007.  
 Logic seminar, UIC, September 2007.  
 Model Theory seminar UIUC, September 2007.

Model Theory seminar, University of Waterloo (Canada), September 2007.  
 Kolchin seminar, Graduate Center, City University of New York, September 2007.  
 Logic seminar, Oxford University, October 2007.  
 Pure Maths. Colloquium, Queen Mary College, Univ. London, October 2007.  
 Algebra and Geometry seminar, Univ. Bristol, December 2007.  
 Algebra seminar, University of Birmingham, February 2008.  
 Tutorial and lecture at workshop on Dependent Theories, Univ. Los Andes, Bogota, Colombia, March 2008.  
 Model theory and descriptive set theory seminar, University of Illinois, April 2008.  
 Tutorial on Galois theory and transcendence, MODNET training meeting, La Roche, Belgium, April 2008.  
 Invited talk, Around Classification Theory workshop, Univ. Leeds, June 2008.  
 Tutorial, Logic Colloquium '08, Bern, Swizerland, July 2008.  
 Invited talk, Model theory of fields meeting, Freiburg, September 2008.  
 Colloquium, Univ. Wroclaw, October 2008.  
 Logic seminar, Univ. Wroclaw, October 2008.  
 Invited talk, Final Modnet conference in Barcelona, November 2008.  
 Invited talk, Differential Algebra and Related Topics III conference, Newark, November 2008.  
 Logic seminar, UIUC, November 2008.  
 Algebraic geometry seminar, Univ. Paris-Sud (Orsay), December 2008.  
 Logic seminar, Oxford University, January 2009.  
 Invited talk at meeting on Differential and Diophantine problems, IHES, Paris, March 2009.  
 Logic seminar, University of Lyon 1, April 2009.  
 "Tarski lectures", University of California at Berkeley, April, 2009.  
 Plenary lecture, Annual North American meeting of Association of Symbolic Logic, Notre Dame, May 2009.  
 Invited talk at Geometry and Model Theory seminar, Paris, June 2009.  
 Logic seminar, University of Manchester, June 2009.  
 Invited talk at conference for M. Makkai's 70th birthday, Montreal, June 2009.  
 Invited talk at "Urbana reunion" model theory conference in Lyon, July

2009.

**Ph. D. students.**

Carlos Alegria (1986).

Vladimir Razenj (1989).

Ivo Herzog (1989).

Lee Fong Low (1992).

Zeljko Sokolovic (1992).

Byunghan Kim (1996).

Rahim Moosa (2001)

Amador Martin-Pizarro (2003)

Jerry Gagelman (2004).

Dominika Polkowska (2005).

Sonat Suer (2007)

Javier Moreno (2008)

Current students: Gareth Boxall, Charlotte Kestner, Alexandra Omar-Azis, Davide Penazzi, Rizos Sklinos.

**Professional activities.**

Editor, Notre Dame Journal of Formal Logic (1988- ).

Editor, Archives for Math. Logic (1993- ).

Editor, Lecture Notes in Logic (1999-2006 )

Managing Editor, Lecture Notes in Logic (2006- ).

Editor, Studies in Logic series, North-Holland (2000-2007 ).

Editorial advisor, Journals of the London Mathematical Society, (2007 - ).

Organizer of NATO meeting in Algebraic Model Theory, Fields Institute, Toronto, August 1996.

Organizer of workshop in Geometric Model Theory at Fields Institute, January 1997.

Organizer of MSRI semester in Model Theory of Fields, Spring 1998.

Organizer of Introductory workshop at MSRI, January 1998.

Organizer of special session in Model Theory and Applications at AMS meeting, San Antonio, Texas, January 1999.

Organizer of workshop in Model Theory and Number Theory, UIUC, November 1999.

Panel on Future of Logic at ASL Annual meeting, June 2000.

NSF workshop "Intellectual opportunities in the Mathematical Sciences",

June 2000.

Organizer of Simple Theories workshop, Fields Institute, October 2000.

Organizer of session in Geometric Model Theory, ASL meeting, Philadelphia, March 2001.

Organizer of Arizona Winter School in Logic and Number Theory, March 2003.

Organizer of meeting “Logic and mathematics: connections and interactions” at UIUC, May 2003.

Organizer of Banff meeting, March 2004.

Organizer of Midwest Model Theory meeting, UIUC, December 2004.

Organizer of semester on Model Theory and Applications at Isaac Newton Institute, Univ. Cambridge, Spring 2005.

Organizer of Newton Institute training workshop on Model Theory and Applications, March-April 2005.

Organizer of Pure Model Theory meeting at University of East Anglia, July 2005.

Organizer of Marie Curie Chair meeting on  $\omega$ -minimality, University of Leeds, March 2006.

Organizer of Marie Curie Chair meeting on differential fields, Univ. Leeds, June 2007.

Organizer of Luminy meeting on model theory, November 2007.

Organizer of Marie Curie Chair meeting on Classification Theory, Univ. Leeds, June 2008.

Organizer of Newton satellite meeting on Algebraic Theory of Difference Equations, Leeds 2009.

Organizer of meeting on Classification Theory, BIRS, Banff, 2009.

Co-organizer of Durham Symposium on New Directions in Model Theory of Fields, Durham, UK, July 2009.

### **Administrative responsibilities.**

Executive committee, Math. Dept., UIUC, 1998-2000.

Search Committee for New Chair, Math. Dept., UIUC, Spring 1999.

Chairman of Promotions and Tenure Committee, Math. Dept., UIUC, 2000-2001.

Executive Committee, College of Liberal Arts and Sciences, UIUC, 2002-2004.

University Promotional Chairs committee, University of Leeds, 2007-