

Curriculum Vitae (Long), Anand Pillay

January 11, 2016

Born 1951, London

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, 2005-2013.
Swanlund Chair and Professor Emeritus, University of Illinois, 2006 -
Professor invité, Univ. Paris-Sud, Orsay, March-April 2010.
Member and co-organizer of program in Model theory and applications, Max
Planck Institute, Bonn, April-June 2012.
William J.Hank Family Chair, University of Notre Dame, 2013 –
Research Professor, Program on Model theory, arithmetic and geometry,
Math. Sciences Research Institute, February - May 2014.

Honours/special lectures

Invited speaker at the International Congress of Mathematicians, Zurich,
1994.
Swanlund Chair (University-wide endowed chair), University of Illinois, 1996-
2006.
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 Phi-
losophy of Science, Oviedo, Spain, August 2003.
Plenary speaker, Canadian Math. Soc. meeting, Vancouver, December 2003.
Marie Curie Chair (based in Univ. Leeds), 2005-2008.
Tarski Lecture (distinguished lecture series), Berkeley, 2009.
Gödel lecture, Association of Symbolic Logic European Meeting, 2011.
AMS Fellow (Inaugural class), 2013.
Plenary speaker, Asian Logic Conference 2015, January 2015

Grants.

National Science Foundation, Individual grants, 1984-89 and 1990-2008.
National Science Foundation Focused Research Grant (with Lou van den
Dries and Ward Henson), 2001-2005.
Marie Curie Excellence Chair, 2005-2008. (480,000 Euros.)
EPSRC, 2007-2010 (around 430,000 pounds).
EPSRC, 2011-2014 (around 500,000 pounds).
NSF, 2014-2017. NSF, Center Math. Notre Dame, 2014-2016

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, and Spring 2010.

Invited talks since 2005.

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, Switzerland, 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.

Invited talk, European Science Foundation conference in model theory, Bedlewo, Poland, August 2009.

Colloquium at CMAF, University of Lisbon, October 2009.

Invited lecture at workshop on stability-related issues, CMAF, Univ. Lisbon, October 2009.

Logic seminar, University of Oxford, November 2009.

Invited talk, Journee “Galois differentielles non lineaire”, Univ. Paris VI, November 2009.

Invited talk, Oberwolfach meeting, January 2010.

Invited talk, Geometric Model Theory Meeting (in honour of Boris Zilber’s 60th birthday), March 2010.

Logic seminar, Univ. Lyon 1, April 2010.

Logic seminar, Univ. Paris VII, April 2010.

Mathematics Colloquium, Yonsei University, May 2010.

Invited talk, Model theory conference, Yonsei University, May 2010.

Invited Logic Seminar, University of Vienna, June 2010.

Invited lecture at EPSRC-LMS short course, Leeds, July 2010.

Invited Lecture, ICM satellite meeting on Logic and Set Theory, Chennai, August 2010.

Two invited talks at the Oberwolfach meeting on Complex Analysis, September 2010.

Logic Seminar, Graduate Centre, City University of New York, September 2010.

Logic Colloquium, UCLA, September 2010.

Two invited talks at the IPM, Teheran, November 2010.

Invited talk at Seminaire Geometrie et Theorie de Modeles, Paris, December 2010.

Invited talk at British Postgraduate Model Theory Conference, Leeds, January 2011.

Invited talk, Logic seminar, University of Wroclaw, April 2011.

Invited talk at conference on Complex Geometry, Nancy, May 2011.

Invited talk at Model theory meeting (my birthday conference) , Oleron, June 2011.

Invited talk at “MALOA” training workshop, Leeds, July 2011.

Gödel lecture, Logic Colloquium 2011, Barcelona, July 2011.

5 lectures on model theory and the free group, Workshop in Geometric group theory and Logic, Chicago, August 2011.
 Invited talk in Logic and geometry seminar, Fields Institute, Toronto, August 2011.
 Invited talk in “Logic and Mathematics” conference at Univ. Illinois, September 2011.
 Invited talk, Kolchin seminar, New York, October 2011.
 Mathematics Colloquium, University of Muenster, October 2011.
 Invited talk, Differential Galois theory meeting, IHES, October 2011.
 Logic seminar, Oxford University, October 2011.
 Two invited talks, Model theory and groups, Luminy, November 2011.
 Logic seminar, University of Muenster, April 2012.
 Two seminars at program on Model Theory and Applications, Max Planck Inst., Bonn, May-June 2012.
 Invited talk, workshop, Max Planck Inst., June 2012.
 Invited talk, workshop on Model theory, Wroclaw, Poland, June 2012.
 Invited talk, Summer days in model theory, University of Barcelona, July 2012.
 Invited seminars, University Lyon 1, October 2012.
 Invited talk at Geometry and Model Theory seminar, Paris, October 2012.
 Mathematics Colloquium, University of Notre Dame, November 2012.
 Mathematics Colloquium, University of Basel, December 2012.
 Invited talk, Descriptive set theory and model theory meeting, Indian Stats. Institute, Kolkata, January 2013.
 Mathematics Colloquium, University of Oxford, January 2013.
 Invited talk, Group theory conference, Spa, Belgium, April 2014.
 Logic seminar, University of Wroclaw, Poland, April 2013.
 Invited talk at conference on Algebra, Novi Sad, Serbia, June 2013.
 Invited talk at Model theory conference, Ravello, June 2013.
 Mathematics Colloquium, UIC, October 2013.
 Invited talk, Mostowski Centenary conference, Warsaw, Poland, October 2013.
 Pure Mathematics Colloquium, University of Waterloo, Canada, November 2013.
 Two invited talks at Introductory Workshop, MSRI, February 2014.
 Seminar, MSRI, March 2014.
 Invited talk, MSRI conference, May 2014.

Invited talk, Model theory meeting, Daejeon, Korea, August 2014 (ICM satellite meeting)
Invited talk, Clay conference on Functional transcendence, Oxford, September 2014.
Logic seminar, Wroclaw, Poland, October 2014.
Math. Colloquium, Krakow, Poland, October 2014.
Logic seminar, CUNY, October 2014.
Kolchin seminar, CUNY, October 2014.
Plenary talk, Asian Logic conference, Mumbai, January 2015.
Plenary Lecture, ASL, Joint meetings, San Antonio, January 2015.
Tutorial on model theory of groups, Model theory meeting, Stellenbosch, South Africa, March 2015.
Model theory meeting, Luminy, April 2015.
Ordered structures seminar, Paris VII, June 2015.
Conference in topological dynamics and model theory, Marseilles, July 2015.
Model theory conference, Oaxaca, July 2015.
Mathematics Colloquium and Logic seminar, McMaster University, September 2015.
AMS special session, Loyola, October 2015.
Colloquium, Escuela Normale, Pisa, October 2015.
Invited talk, Model theory meeting, RIMS, Kyoto, December 2015.
Colloquium, Kobe University, December 2015.
Special session on algebraic theory of differential equations, AMS, Seattle, January 2016.

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)
Gareth Boxall (2009)
Rizos Sklinos (2011)
Charlotte Kestner (2012).
Alexandra Omar-Aziz (2013)
Joel Nagloo (2014)
Ningyuan Yao (2015) (Sun-Yat-Sen University, China) Current students:
Greg Cousins, Mike Haskell, Somayeh Vojdani.

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 (2006-2010).
Editor, Studies in Logic series, North-Holland (2000-2007).
Editorial advisor, Journals of the London Mathematical Society, (2007 -).
Editor, Studies in Logic, de Gruyter, 2010-
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 ω -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.
Organizer of Oberwolfach model theory meeting, January 2010.
Co-organizer of Model theory conference at Yonsei University, Seoul, S. Korea, May 2010.
On scientific committee for meeting on Model theory and Geometric group theory at Luminy, November 2011.
Co-organizer of workshop on “Neostability” at Banff Research Station, February 2012.
Co-organizer of program on model theory at Max Planck Institute, April-June 2012.
Organizer of workshop on Differential and difference equations, integrable systems, model theory, University of Leeds, September 2012.
Co-organizer of Oberwolfach meeting, January 2013.
Organizer of mini-workshop on differential algebra, Notre Dame, November 2013.
Organizer, BIRS meeting, neo-stability, July 2015.
Organizer, 3 week program in model theory, Notre Dame, June 2016.

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, 2007-10.

Research Committee, School of Mathematics, Univ. Leeds, 2008- 2013

Review committee (university-wide) for Research Excellence Framework submission, University of Leeds, 2011 - 2013 .

Lead author of Landscape document on Logic in the UK, for the International Review of Mathematics in UK, 2010.

Algebra search committee, Notre Dame, 2013-14.

Committee on Appointments and Promotions, Dept. Math., Notre Dame, 2014-

Postdoctoral search committee, Dept. Math, Notre Dame, 2014-15.

Algebra and Number Theory search committee, Math., Notre Dame, 2015-16.