CURRICULUM VITAE

David Graham Blanchflower

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Date of birth: March 2nd, 1952. **Nationality:** Dual US and UK citizen.

Children: Daniel John aged 31; Jennie age 33 and Kathryn age 36.

Grand children: Lincoln James Denney (age 5); Angus Daniel Ross Davies (age 5); Hadley Kate Davies; Isla Marie Davies (age 4) and Oliver Reid Denney (age 3), Kaley (age 3 months); Eliza

(age 2 months).

Married: Carol Blanchflower.

Qualifications

1973 B.A. Soc. Sci. (Economics), University of Leicester, UK.

1975 Postgraduate Certificate in Education - (PGCE). Distinction in teaching; Dudley College of Education, University of Birmingham, UK.

1981 M.Sc. (Econ), University of Wales, UK.

1985 Ph.D., University of London (Queen Mary College), UK.

1996 M.A. (Honorary), Dartmouth College.

1996 Honorary member of Phi Beta Kappa, Dartmouth chapter for 'services to liberal scholarship'.

2007 Honorary Doctor of Letters (D.Litt.) for 'services to economics,' University of Leicester.

2009 Honorary Doctor of Science (D.Sc.), Queen Mary, University of London, July.

2011 Honorary Doctor of Letters (D.Litt.), University of Sussex, UK.

2014 Honorary Fellowship, Cardiff University, Wales, UK.

Previous academic positions

Northicote High School, Wolverhampton, UK, teacher, 1975-1976.

Kilburn Polytechnic, London, UK, Lecturer, 1976-1977.

Farnborough College of Technology, Hampshire, UK, Lecturer, 1977-1979.

Institute for Employment Research, University of Warwick, UK, Research Officer, September 1984-July 1986.

Department of Economics, University of Surrey, UK Assistant Professor (Lecturer), August 1986-August 1989.

Associate Professor, Dartmouth College, 1989-1993.

Department Chair, Department of Economics, Dartmouth College, July 1998 – June 2000.

Associate Dean of the Faculty for the Social Sciences, Dartmouth College, July 2000-June 2001.

Member Monetary Policy Committee, Bank of England, June 2006-June 2009.

Professor of Economics (Part-time, non-teaching), Department of Economics, Management School, University of Stirling, September 2006-October 2020.

Visiting scholar, Federal Reserve Bank of Boston, September, 2011-2013.

Non-resident Senior Visiting Fellow, Peterson Institute, Washington DC, 2013-2014.

Teaching

Statistics, Labor Economics, Advanced Labor Economics, Introductory Microeconomics, Introductory Macroeconomics, Topics in Finance, Topics in International Economics, Econometrics, Topics in Macroeconomics; Macroeconomics for non-economists and Pandemics and Financial Crises.

Past editorial positions and journalism

Member of Editorial Board of Industrial & Labor Relations Review, 1996-1999.

Member of Editorial Board of Small Business Economics, 2000-2005.

Member of Editorial Board of Scottish Journal of Political Economy, 2000-2005.

Member International Advisory Board, National Institute Economic Review, UK, 2014-2016.

Economics columnist, New Statesman, 2009-2012; The Independent, 2012-2015.

Current positions

Professor, July 1993 – present.

Bruce V. Rauner '78 Professor of Economics, Dartmouth College, 2001-

Research Associate, National Bureau of Economic Research 1990-.

Professor of Economics (part-time, non-teaching), Adam Smith Business School, University of Glasgow, November 2020-

TV Contributing editor for Bloomberg TV 2011-

Contributor to the Guardian; 2010-

Member College of Central Bankers 2020-

Advisory Board, National Institute Economic Review 2021-

Prizes and Awards

Princeton University's Richard A. Lester Prize for 'the most outstanding book in Industrial Relations and Labor Economics published in 1994'.

I was named the 'Business Person of the Year' by the *Daily Telegraph*, in their 'Great Britons of 2008' awards on 30th December 2008. Citation said

'Not only did David Blanchflower foresee the scale of the recession months before the eventual impact, he attempted to do something about it. He was the one Bank of England executive who consistently argued in favour of dramatically lower interest rates. He was the first policymaker from the Bank, Treasury or Financial Services Authority to warn that the UK faced recession and the possibility of house prices falling by a third. Blanchflower has decided against taking up a second three-year term on the MPC; the Bank of England will be the weaker for his absence'.

http://www.telegraph.co.uk/topics/great-britons/

A lead editorial in the Guardian newspaper Wednesday 25 March 2009 commented on my contribution at the Bank of England.

Editorial: In praise of ... David Blanchflower

'Even if he had not become the Bank of England's biggest dissenter - the Threadneedle One - David Blanchflower would still have been a remarkable economist. His academic interests lie in jobs and wages and happiness - stuff that actually matters to lay people, but which researchers usually ignore, to spend more time with their dynamic stochastic general equilibrium models. He can translate findings into non-academic language, as befits someone who last year described his research technique to this paper as 'the economics of walking about: you ask people what's going on in their lives and you take seriously what answers they give you.' His stint on the Bank's monetary policy committee brought Professor Blanchflower into the public eye. He was the first on the MPC to spot the seriousness of the credit crunch, and for a long time the only one to advocate cutting rates in response. The Bank may be operationally independent, but outspokenness is not necessarily prized in its staff. The professor was much ridiculed yet kept on standing out until everyone else caught up. The course of this crisis would have been very different had others shown such intellectual courage. Professor Blanchflower was at it again last night, with a speech that criticised as 'utopian' the typical assumptions of central bankers that markets are perfect and people always rational. That combination of intellectual pedigree and plain common sense will be much missed when he steps down from the MPC this spring.'

http://www.guardian.co.uk/commentisfree/2009/mar/25/in-praise-of-david-blanchflower

I was made a Commander of the British Empire (CBE) in the Queen's Birthday Honours List in June 2009, for 'services to the Monetary Policy Committee and Economics'.

Citations

On June 9th, 2022, I had 34,653 Google cites. My Google scholar page is here https://scholar.google.com/citations?user=erAFQIgAAAAJ&hl=en&oi=ao

Plus I have 7,186 citations at the Web of Science.

I have the 3rd most Google cited paper ever in both the *Journal of Labor Economics** and the *Journal of Public Economics*** and the second most cited paper ever in *Labour Economics****

*With Andrew Oswald (2004), 'Well-being over time in Britain and the USA,' *Journal of Public Economics*, 88 (7-8), pp. 1359-1386 - Google cites=4299. Web of Science cites=1245.

**With Andrew Oswald (1998), 'What makes an entrepreneur?' *Journal of Labor Economics*, 16 (1), pp. 26-60 - Google cites=3703. Web of Science cites=1003.

***'Self-employment in OECD countries' (2000), *Labour Economics*, 7 (5), pp. 471-505 - Google cites=1811. Web of Science cites=464.

With Andrew Oswald, The Wage Curve (1994), MIT Press Google cites=2004.

With Andrew Oswald, 'Is well-being U-shaped over the life cycle? *Social Science and Medicine*, 66(8), pp. 1733-1749 – Google cites=2116. Web of Science cites=751.

With David Bell, 'Young people and the Great Recession' (2011), Oxford Review of Economic Policy, 27(2), pp. 241-267 – Google cites=1025. Web of Science cites=288.

Papers and publications - 92 papers in refereed journals, three books (one joint) and one joint edited volume.

2022

1. Papers published in 2022 (8)

With Alex Bryson and Colin Green, 'Trade unions and the wellbeing of workers,' *British Journal of Industrial Relations*, 60(2), pp. 255-277, 2022.

With Alex Bryson, 'Further decoding the mystery of American pain: the importance of work,' *PlosOne*, January 13th, 2022.

With Alex Bryson, 'The Sahm Rule and predicting the Great Recession across OECD countries,' *National Institute Economic Review*.

With Donna Feir, 'Native Americans' experience of chronic distress in the USA,' forthcoming in *Journal of Population Economics*.

With Alan Piper, 'The well-being age U-shape effect in Germany is not flat,' *Economics Letters*.

With Alex Bryson, 'Taking the pulse of nations: a biometric measure of well-being,' forthcoming in *Economics and Human Biology*.

With Alex Bryson, 'The economics of walking about and predicting US downturns,' *National Institute Economic Review, forthcoming.*

With Alex Bryson, 'Covid and mental health in America,' PLOS One, forthcoming

2. Papers revise and resubmits at journals in 2022 (3)

With Ben Artz and Alex Bryson, 'Unions increase job satisfaction in the United States,' revise and resubmit at *Journal of Economic Behavior and Organization*.

With Alex Bryson, 'The consequences of pain in mid-life: evidence from the National Child Development Survey,' revise and resubmit at *PLOS One*.

With Alan Piper and Alex Bryson, 'Does pain lead to job loss? A panel study for Germany,' revise and submit at *Kyklos*, NBER Working Paper #28863.

3. Papers submitted to journals in 2022 (5).

With Carol Graham and Alan Piper, 'Happiness and age – resolving the debate,' submitted to *National Institute Economic Review* by request.

With Alex Bryson, 'The female happiness paradox,' submitted to *The Journal of Population Economics*, was NBER Working Paper #28983,

With Alex Bryson, 'Seasonality and the female happiness paradox,' submitted to *Quality and Quantity*

With Alex Bryson, 'Job satisfaction during the life course,' NBER working paper #W28206 submitted to *Industrial Relations Journal*.

With Alex Bryson, 'The fear of unemployment in Europe,' was NBER working paper #29172, submitted to *Labour Economics*.

4. Opeds/Blogs in 2022 (6)

Panic is causing a recession, IAI news, 9th June 2022 https://iai.tv/articles/panic-is-causing-a-recession-auid-2150? auid=2020

The Bank of England is helping drive the UK into recession – The New Statesmen 5/5/2022

With Richard Murphy, <u>Is the Bank of England at risk of missing a major downturn again?</u>, April 22nd 2022

With Richard Murphy - Daily Mirror Column: April 23rd 2022 Cost of living crisis dragging country into recession – and 7 steps to avoid it

'This data accurately predicts recessions, and it's predicting one right now,' Prospect Magazine April 13th, 2022.

https://www.prospectmagazine.co.uk/economics-and-finance/this-data-accurately-predicts-recessions-and-its-predicting-one-right-now-economic-crash-financial-crisis

With Alex Bryson, 'Pulse as a biometric measure of wellbeing,' VoxEU, January 11th, 2022. https://voxeu.org/article/pulse-biometric-measure-wellbeing

5. New papers in 2022 (2)

With Alex Bryson, 'Well-being rankings around the world,' working paper, February 2022.

With Maria Cotofan and Alex Bryson, 'Always look on the bright side? the emergence of optimism and implications for forecasting'. Working paper.

With Carol Graham and Alan Piper, Happiness and Age – Resolving the Debate, submitted to *National Institute Economic Review* by request.

2021

1. Publications in refereed journals in 2021 (9)

'Is happiness U-shaped everywhere? Age and subjective well-being in 145 countries,' *Journal of Population Economics*, 34, pp. 575–624, 2021.

With David Bell, 'Underemployment in Europe and the United States,' *Industrial and Labor Relations Review*, 74(1), January, pp. 56–94, 2021.

With Alex Bryson, 'Unemployment and sleep: evidence from the United States and Europe,' *Economics and Human Biology*, December; 43: 101042, 2021.

With Alex Bryson, 'Union membership peaks in midlife,' *British Journal of Industrial Relations*, April: 1-28, 2021.

With Dawid Gondek, Rebecca Lacey and Praveetha Patalay, 'How is the distribution of psychological distress changing over time? Who is driving these changes? Analysis of the 1958 and 1970 British birth cohorts,' *Social Psychiatry and Psychiatric Epidemiology, 2021*.

With Carol Graham, 'The mid-life dip in well-being: a critique,' Social Indicators Research, 2021.

With Carol Graham, 'The U-shape of happiness: A response,' *Perspectives on Psychological Science*, 2021.

With Andrew Clark, 'Children, unhappiness and family finances: evidence from one million Europeans,' *Journal of Population Economics*, 34, pp. 625–653, 2021.

With David Bell, 'The U-shape of happiness in Scotland,' *The Scottish Journal of Political Economy*, first online May 21st, 2021, was NBER Working Paper #28144, 2021.

2. Book and book chapters in 2021 (4)

'Harry Truman' in US Presidents, edited By Iain Dale, Hodder and Stoughton, November 2021.

With Carol Graham, 'Happiness and ageing,' forthcoming in *Handbook of the Economics of Ageing*, edited by David Bloom, Alfonso Sousa-Poza and Uwe Sunde, Routledge, was NBER Working Paper #28143.

Not Working: Where Have all the Good Jobs Gone? Princeton University Press, paperback edition, April.

'Preface' to the 2021 edition of <u>Not Working: Where Have all the Good Jobs Gone?</u> Princeton University Press, paperback edition, April.

3. Opeds in 2021 (4)

With Alex Bryson 'Recession is the threat, not inflation. Now is not the time to raise interest rates' IAI News, 26 October, 2021.

https://iai.tv/articles/recession-is-the-threat-not-inflation-auid-1951? auid=2020

With Alex Bryson, 'Expectations data indicate the US is now entering recession, 21 October, 2021, *VoxEu*. https://voxeu.org/article/expectations-data-indicate-us-entering-recession-about-now

With Alex Bryson, 'The economics of walking about helps predict unemployment,' *VoxEU*, 24th August 2021.

https://voxeu.org/article/how-economics-walking-about-helps-predict-unemployment

With Ben Artz and Alex Bryson, 'Trade unions in American: the times they are a-changin,' *VoxEU* 28th May 2021?' Vox, https://voxeu.org/article/trade-unions-america-times-they-are-changin

4. Other papers in 2021 (2)

With David Bell, 'Underemployment and Unions,' working paper.

'A response to 'Another attempt to move beyond the cross-sectional U-shape of happiness: a reply' by Galambos, Krahn, Johnson and Lachman (2021)'

 $\underline{https://cpb-us-e1.wpmucdn.com/sites.dartmouth.edu/dist/5/2216/files/2021/05/Galambos-reply-review.pdf}$

2020

Interview with Professor David Blanchflower on wellbeing across the lifespan, *Journal of Economics and Ageing*, December

www.journals.elsevier.com/the-journal-of-the-economics-of-ageing/news/interview-with-professor-david-blanchflower-on-wellbeing

With Richard Freeman and Alex Bryson, 'Unions raise worker wellbeing,' Vox, 11th November.

With Andrew Oswald, 'Trends of extreme distress in the USA, 1993-2019,' *American Journal of Public Health*, 110, pp. 1538-1544.

'Experienced life cycle satisfaction in Europe: a comment,' *Behavioral Economics Review*, 7(2), pp. 201-206.

With Carol Graham, 'The mid-life dip in well-being: economists (who find it) versus psychologists (who don't)!' NBER Working Paper #26888.

With David Bell, 'US and UK labour markets before and during the Covid-19 crash,' *National Institute Economic Review*, 252 May, pp. R52-R69.

'Unhappiness and age,' Journal of Economic Behavior and Organization, 176, pp. 461-488.

2019

Not Working: Where Have all the Good Jobs Gone? Princeton University Press.

With Andrew Oswald, 'Unhappiness and pain in modern America: A review essay, and further evidence, on Carol Graham's Happiness for All?,' *Journal of Economic Literature*, June, 57(2), pp. 385-402.

With Andrew Oswald, 'Is there a midlife psychological low? Two approaches (with and without controls) in six modern data sets on 1.3 million citizens?,' in <u>The Economics of Happiness. How the Easterlin Paradox Transformed Our Understanding of Well-Being and Progress</u>, edited by Mariano Rojas, 2019, Springer.

With David Bell, 'The well-being of the overemployed and the underemployed and the rise in depression in the UK,' *Journal of Economic Behavior and Organization*, volume 161, May, pp. 180-196.

'Slump, recession and austerity policies' in *Manifestos, Policies and Practices. An Equalities Agenda*, edited by David Scott, UCL IOE Press.

2018

With David Bell, 'The lack of wage growth and the NAIRU,' *National Institute Economic Review, July No. 245*, August, pp. R1-R16.

With David Bell, 'Underemployment and the lack of wage pressure in the UK,' *National Institute Economic Review*, No. 243, February, pp. R53-R61.

2017

'How the 'left-behinds' gave us Brexit and Trump' in *Brexit, Trump and the* Media edited by John Mair, Tor Clark, Neil Fowler, Raymond Snoddy and Richard Tait, Abramis.

2016

'Happiness' (2016) in *Subjective Well-being Bulletin*, Public Policy Observatory –POLIS- of Universidad Icesi in Cali-Colombia.

With Andrew Oswald, 'Antidepressants and age: a new form of evidence for U-shaped well-being through life,' *Journal of Economic Behavior and Organization*, 127, pp. 46-58.

2015

'Hard times are only going to get harder,' *British Journal of Sociology*, 66(3), September, pp.577-583.

Self-employment across countries in the Great Recession of 2008-2014, Randstad, Netherlands.

With Andrew T. Levin, 'Labor market slack and monetary policy,' NBER working paper #21094, April.

With David N.F. Bell, 'Youth joblessness,' in: James D. Wright (editor-in-chief), *International Encyclopedia of the Social & Behavioral Sciences*, 2nd edition, Vol 25. Oxford: Elsevier. pp. 830–836.

'As good as it gets? The UK labour market in recession and recovery,' *National Institute Economic Review*, February, 231: pp. F76-F80

With David N.F. Bell, 'Youth unemployment in Greece: measuring the challenge,' *IZA Journal of European Labor Studies*, 29th January.

2014

With David N.F. Bell, Alberto Montagnoli, and Mirko Moro, 'The happiness tradeoff between unemployment and inflation,' *Journal of Money Credit and Banking*, 46, S2, pp. 117-141

With David Bell, 'Labour market slack in the UK,' *National Institute Economic Review*, August 229, pp. F4-F11.

With Adam Posen, 'Wages and labor market slack: making the dual mandate operational,' Peterson Institute Policy Brief, April 15th.

2013

With David Bell, 'How to measure underemployment?,' Peterson Institute for International Economics Working Paper 13/2 August 2013.

With David Bell, 'Underemployment in the UK revisited,' *National Institute Economic Review*, 224, pp. F8-F22, May.

With Andrew J. Oswald, 'Does high home ownership impair the labor market?,' National Bureau of Economic Research Working Paper #19079, June.

'Where were you?' in Leadership and Cooperation in *Academia: Reflecting on the Roles and Responsibilities of University Faculty and Management*, Edited by Robert Sugden, Roger Wilson and James Valania, Marcela, Cheltenham: Edward Elgar.

With Andrew Oswald and Sara Stewart-Brown, 'Is psychological well-being linked to the consumption of fruit and vegetables?,' *Social Indicators Research*, 114, pp. 785-801, December.

2012

With David Bell and Liam Delaney 'The great lowering of expectations,' presented at RES conference, March 27th, 2012.

2011

With Andrew Oswald and Nick Christakis, 'Psychological well-being and systolic blood pressure: evidence of a positive correlation,' December 2011.

'The wellbeing of the young,' mimeo.

With David Bell, 'The crisis, policy reactions and jobs' in *Making Globalization Socially Sustainable*, Edited by Marc Bacchetta and Marion Jansen, World Trade Organization/International Labour Organisation

With David Bell, 'Youth unemployment in Europe and the United States,' *Nordic Economic Policy Review*, vol. 1, pp. 11-38.

With David Bell, 'Young people and the Great Recession,' *Oxford Review of Economic Policy*, 27, pp. 241-267.

With David Bell, 'Youth underemployment in the UK in the Great Recession,' *National Institute Economic Review*, January 2011, pp. R1-R11.

With Andrew Oswald, 'International happiness: a new view on the measure of performance,' *The Academy of Management Perspectives*, February 2011, pp. 6-22.

2010

'Evidence to the UK Treasury Select Committee on the 2010 Budget,' July 2010

With David Bell, 'UK unemployment in the Great Recession,' *National Institute Economic Review*, 214, October 2010, pp. 3-25.

With David Bell, 'Recession and unemployment in the OECD,' CESifo Forum, Issue 1, March 2010.

With Alex Bryson, 'The wage impact of trade unions in the UK public and private sectors,' *Economica*, Vol. 77 Issue: 305, pp. 92-109.

With David Bell, 'Youth unemployment: déjà vu?,' IZA DP #4705, January, 2010,

With Richard Hern and Svetlana Shcherbakova, 'Area Cost Adjustment: A response to the DCLG's recent consultations. A report for West Sussex County Council,' NERA, London, January 2010.

2009

'Happiness and health care coverage,' IZA DP # 4450, September.

With David Bell, 'What should be done about rising unemployment in the OECD?,' IZA DP #4445, September.

'Report on the City of Chicago's MWBE Program,' A report for the City of Chicago, July.

'The consequences for communities of rising unemployment,' *Journal of the Royal Society of Arts, Autumn, 2009.*

'The unemployment problem,' Reform Journal, Autumn, 2009, p.8.

With Conall MacCoille, 'The formation of inflation expectations: an empirical analysis for the UK,' paper presented at Banco do Brasil X1 Annual Inflation Targeting Seminar, Rio de Janeiro, May 2009.

With Andrew Oswald, 'The U-shape without controls: a response to Glenn,' *Social Science and Medicine*, vol. 69, pp. 486–488.

'Minority self-employment in the United States and the impact of affirmative action programs,' *Annals of Finance*, 5:3-4, pp. 361-396.

With Andrew J. Oswald and Bert Van Landeghem, 'Imitative obesity and relative utility,' *Journal of the European Economic Association*, 7:2/3, April, pp. 528-538.

With Chris Shadforth, 'Fear, unemployment and migration,' *The Economic Journal*, 119(535), February, pp. F136-F182.

'Where next for the UK economy?,' Scottish Journal of Political Economy, 56(1), February, pp. 1-23.

With Helen Lawton, 'The impact of the recent expansion of the EU on the UK labour market,' in *EU Enlargement and the Labor Markets*, edited by Martin Kahanec and Klaus F. Zimmermann, IZA and Praeger.

With Alex Bryson, 'Union decline in Britain,' in Brown, W., Bryson, A., Forth, J. and Whitfield, K. (editors), *The Evolution of the Modern Workplace*, Cambridge University Press.

With Andrew J. Oswald, 'What makes a young entrepreneur?,' in *International Handbook on Youth and Young Adulthood*, edited by Andy Furlong, in the Routledge International Handbook series.

'International evidence on well-being,' in *National Time Accounting and Subjective Well-Being*, NBER and University of Chicago Press, edited by Alan Krueger.

'The UK economy,' Royal Economic Society Newsletter, 144, January 2009.

2008

With Andrew J. Oswald, 'The wage curve: an entry written for the New Palgrave, 2nd Edition,' in *The New Palgrave Dictionary of Economics*, 2nd Edition, edited by Stephen Durlauf and Lawrence Blume, May 2008.

With Andrew J. Oswald, 'Is well-being U-shaped over the life cycle?,' *Social Science and Medicine*, 66(8), pp. 1733-1749, April 2008.

With Andrew J. Oswald, 'Happiness and hypertension across nations,' *Journal of Health Economics*, 27(2), March, pp. 218-233.

With Roger Kelly, 'Macroeconomic literacy, numeracy and the implications for monetary policy,' working paper, Bank of England.

'Inflation, expectations and monetary policy,' *Bank of England Quarterly Bulletin*, pp 229-237, Volume 48 No. 2, Q2 2008

'Happiness economics,' NBER Reporter, Research Summary 2008, Number 2.

2007

With David Bell, 'The Scots may be brave but they are neither healthy nor happy,' *Scottish Journal of Political Economy*, 54(2), pp. 151-307, May 2007.

'A cross-country study of union membership,' *British Journal of Industrial Relations*, 45(1), pp. 1-28, March, 2007.

With Alex Bryson and John Forth, 'Workplace industrial relations in Britain, 1980-2004,' *Industrial Relations Journal*, 2007, 38(4), pp. 285-302.

With Jumana Saleheen and Chris Shadforth, (2007), 'The impact of the recent migration from Eastern Europe on the UK economy,' Bank of England External MPC Unit Discussion Paper No. 17.

With Chris Shadforth, 'Entrepreneurship in the UK,' *Foundations and Trends in Entrepreneurship*, 3(4), pp. 1–108, 2007.

'The impact of the recent migration from Eastern Europe on the UK economy,' *Bank of England Quarterly Bulletin*, pp. 131-135, 2007Q1, 47(1).

'Recent developments in the UK labour market,' *Bank of England Quarterly Bulletin*, pp. 158-171, 2007Q1, 47(1).

'Recent developments in the UK economy: the economics of walking about,' *Bank of England Quarterly Bulletin*, pp. 317-329, 2007Q2, 47(2).

'Is unemployment more costly than inflation?,' NBER Working Paper W13505, October 2007.

'Entrepreneurship in the United States,' IZA DP 3130, October 2007.

'Trends in European labour markets and preferences over unemployment and inflation,' *Bank of England Quarterly Bulletin*, 2007Q4, pp. 582-591, 47(4).

With Douglas Staiger and Peter D. White, 'Nurse pay and quality of care,' working paper.

'Entrepreneurship in the UK,' speech given at the Max Planck Summer Institute in Berlin on 9th July 2007.

2006

With Andrew J. Oswald, 'On Leigh-Wolfers and well-being in Australia,' *The Australian Economic Review*. 39, Volume 39, Issue 2, pp. 185-186, June 2006.

'Reflections on my first four votes on the MPC,' *Bank of England Quarterly Bulletin*, pp. 456-463, 2006Q4, 46(4).

2005

With Andrew J. Oswald, 'Regional wages and the need for a better Area Cost Adjustment,' *Public Money and Management*, 2005, 25, pp. 86-88.

With Andrew J. Oswald, 'Happiness and the Human Development Index: the paradox of Australia,' *The Australian Economic Review*, 38(3), September 2005, pp. 307-318.

With Andrew J. Oswald, 'The wage curve reloaded,' NBER Working Paper 11338, 2005.

With Jon Wainwright, 'An analysis of the impact of affirmative action programs on self-employment in the construction industry,' NBER Working Paper #11793, 2005.

2004

With Andrew J. Oswald, 'Well-being over time in Britain and the United States,' *Journal of Public Economics*, Volume 88, Issues 7-8, July 2004, pp. 1359-1386.

With Alex Bryson, 'What effect do unions have on wages now and would Freeman and Medoff be surprised?,' *Journal of Labor Research*, 25(3), Summer, pp. 383-414 and in *What Do Unions Do?:* The Evidence Twenty Years Later, edited by James T. Bennett and Bruce E. Kaufman, 2004.

With Andrew J. Oswald, 'Money, sex and happiness,' *Scandinavian Journal of Economics*, 106(3), pp 393-415, 2004.

'Self-employment: more may not be better,' *Swedish Economic Policy Review*, 11(2), Fall, 2004, pp. 15-74

'Reply to Magnus Henrekson,' Swedish Economic Policy Review, 11(2), Fall, 2004, pp 89-93.

With Andrew J. Oswald, 'Regional pay scales,' *Public Service Review: Central Government*, Autumn, 2004, pp. 138-140.

With David S. Evans, 'The role of credit cards in providing financing for small businesses,' *The Payment Card Economics Review*, Volume 2, Winter, 2004.

With Andrew J. Oswald, Wage Levels and the Government's System of Regional Funding: A Report for Croydon County Council, January 2004.

With Andrew J. Oswald, Calculating an Appropriate Regional Funding Adjustment for Worcestershire. A Report for Worcestershire County Council. January, 2004.

With Andrew J. Oswald, Calculating an Appropriate Regional Funding Adjustment for Worcestershire – Part 2. A Report for Worcestershire County Council. April, 2004.

A Study of Minority and Female-Owned Firms in Baltimore. A Report Commissioned by the City of Baltimore, April 2004

With Andrew J. Oswald, *Does the Market Forces Factor treat the South-East fairly?* A report commissioned by Thames Valley Strategic Health Authority, July 2004.

2003

With Phillip Levine and David Zimmerman, 'Discrimination in the market for small business credit,' *Review of Economics and Statistics*, November 2003, 85(4), pp. 930-943.

With Alex Bryson, 'Changes over time in union relative wage effects in the UK and the US revisited,' *International Handbook of Trade Unions*, Edward Elgar, edited by John Addison and Claus Schnabel.

With Jon S. Wainwright, Report on Statistical Disparities in Capital Markets Facing Minority-Owned and Woman-Owned Business Establishments in Construction and Related Industries in the Jacksonville Metropolitan Area. Prepared for the City of Jacksonville, Florida. National Economic Research Associates, Inc. February 5th, 2003.

With Jon S. Wainwright, *Statistical Disparities in Minority and Female Business Formation and Earnings in and Surrounding Jacksonville*, *Florida*. Prepared for the City of Jacksonville, Florida. National Economic Research Associates, Inc. April 2nd, 2003.

With Jon S. Wainwright, *Statistical Disparities in Minority and Female Business Formation and Earnings in and Surrounding San Francisco*, California. Prepared for the City of San Francisco, California. NERA Economic Consulting. May 2nd, 2003.

With Jon S. Wainwright, *Statistical Disparities in Capital Markets Facing Minority-Owned and Woman-Owned Business Establishments*, 1993-1998. Prepared for the City of San Francisco, California. NERA Economic Consulting, May 2nd, 2003.

2002

With Andrew L. Klein and Lisa M. Ruggiero, 'Locality pay differentials, not just for low paid jobs anymore,' *Workspan, The Magazine of World at Work*, 06/2002, pp. 36-40.

With Andrew J. Oswald and Brian Williamson, *Estimated Regional Wage Differentials for England & Wales*, A Report for South East Area Cost Adjustment Group & Association of London Government, National Economic Research Associates, London, 9 January 2002.

With Jon S. Wainwright, *Disadvantaged Business Enterprise Availability Study*, prepared for the Illinois Department of Transportation, National Economic Research Associates, Inc. February 11th, 2002.

2001

With Andrew J. Oswald and Alois Stutzer, 'Latent entrepreneurship across nations,' *European Economic Review*, vol. 45, no. 4-6, May 2001, pp. 680-91.

'Unemployment, well-being and wage curves in Eastern and Central Europe,' *Journal of Japanese and International Economies*, vol. 15, no. 4, December 2001, pp. 364-402.

With Jon S. Wainwright, *The Utilization of Minority Business Enterprises by the State of Maryland*, prepared for the State of Maryland Department of Transportation, National Economic Research Associates, Inc. January 8, 2001.

2000

'Self-Employment in OECD Countries,' Labour Economics, 7, September 2000, pp. 471-505.

With Richard Freeman, 'Introduction,' in *Youth Employment and Joblessness in Advanced Countries* edited by David Blanchflower and Richard Freeman, University of Chicago Press and NBER, 2000.

With Andrew J. Oswald, 'The rising well-being of the young,' in *Youth Employment and Joblessness in Advanced Countries* edited by David Blanchflower and Richard Freeman, University of Chicago Press and NBER, 2000.

With Richard Freeman, 'The declining economic status of young workers in OECD countries,' *Youth Employment and Joblessness in Advanced Countries* edited by David Blanchflower and Richard Freeman, University of Chicago Press and NBER, 2000.

Globalization and the Labor Market, Report to the Trade Deficit Review Commission, 2000.

With Andrew J. Oswald, 'Is the UK moving up the international wellbeing rankings?,' April 2000.

With Andrew J. Oswald, 'Is something wrong with work-life balance? A look at international data,' June 2000.

With Richard Freeman (editors), *Youth Employment and Joblessness in Advanced Countries*, University of Chicago Press and NBER, 2000.

With Jin H. Park, Jon S. Wainwright, and Colette Holt, *Disadvantaged Business Enterprise Availability Study*, prepared for the Northeast Illinois Regional Commuter Railroad Corporation D/B/A METRA, National Economic Research Associates, Inc. & Colette Holt & Associates, March 28, 2000.

With Jon S. Wainwright, *Disadvantaged Business Enterprise Availability Study*, prepared for the State of Maryland Department of Transportation, National Economic Research Associates, Inc. July 31, 2000.

1999

'Youth labor markets in twenty-three countries: a comparison using micro data'. In *International Perspectives on the School-to-Work Transition*, edited by David Stern and Daniel A. Wagner, Hampton Press, 1999.

'Changes over time in union relative wage effects in Great Britain and the United States,' in *Essays in Honour of Bernard Corry and Maurice Peston. Volume 2. The History and Practice of Economics*, edited by Sami Daniel, Philip Arestis and John Grahl, Edward Elgar, 1999, pp. 3-32.

With Matthew Slaughter, 'The causes and consequences of changing earnings inequality,' in *Growing Apart; the Causes and Consequences of Global Wage Inequality*, edited by Albert Fishlow and Karen Parker, Council on Foreign Relations, 1999.

'What can be done to reduce the high levels of youth joblessness in the world?,' a report commissioned by the ILO, 1999.

With Andrew J. Oswald, 'Job security and the decline in American job satisfaction,' mimeo, Dartmouth College, 1999.

1998

With Simon Burgess, 'New technology and jobs: comparative evidence from a two-country study,' *Economics of Innovation and New Technology*, vol 5, 1998.

With Andrew J. Oswald, 'What makes an entrepreneur?,' *Journal of Labor Economics*, January, 16(1) pp. 26-60, 1998.

With David S. Evans and Andrew J. Oswald, 'Credit cards and consumers,' mimeo, Dartmouth College, June 1998, National Economic Research Associates, Cambridge, MA.

With David S. Evans and Andrew J. Oswald, 'Credit cards and entrepreneurs,' mimeo, Dartmouth College, July 1998, National Economic Research Associates, Cambridge, MA.

'International comparisons,' Rapporteur report to an International Symposium on linked employeremployee data, *Monthly Labor Review*, July 1998, vol. 121 no. 7, pp. 59-60.

With Andrew J. Oswald, 'Entrepreneurship and the youth labour market problem, a report for the OECD,' September, 1998.

With Bill Baker, Anna Capaldi, Richard Hern Andrew and J. Oswald, *Area Cost Adjustment: Specific Cost Approach*, Final Report for Associations of Local Government in London and the South East, National Economic Research Associates, London, August 1998.

With Bill Baker, Richard Hern Andrew and J. Oswald, *Estimating Regional Wage Differentials with Fixed Effect Methods*, Final Report for Associations of Local Government in London and the South East, National Economic Research Associates, London, September 1998.

1997

With Richard Freeman, 'The attitudinal legacy of communist labor relations,' *Industrial and Labor Relations Review*, April 1997, vol. 50 no. 3, pp. 438-459.

With Richard Freeman, 'Creating jobs for youth,' *New Economy*, 1997, vol. 4, no. 2, pp. 68-73.

With Richard Freeman, 'Youths get a raw deal,' *Centrepiece*, 1997, October, Centre for Economic Performance, London School of Economics. 33.

1996

With Simon Burgess, 'Job creation and job destruction in Great Britain: 1980-1990,' *Industrial and Labor Relations Review*, October, 1996, pp. 17-38.

With Stephen Machin, 'Product market competition, wages and productivity: international evidence from establishment level data,' *Annales d'Economie et de Statistique*, 41/42, pp. 220-253, 1996.

With Andrew J. Oswald and Peter Sanfey, 'Wages, profits and rent sharing,' *Quarterly Journal of Economics*, 111(1), February, pp. 227-251.

'Job creation and job loss: research questions arising from the use of establishment based data,,' n *Job Creation and Loss. Analysis, Policy and Data Development*, OECD, Paris, France, 1996.

With Richard Freeman, 'Growing into work,' Employment Outlook, OECD, July, 1996.

With Andrew J. Oswald, 'Supervision, youth and the wage curve'. Paper written for the NBER conference on Disadvantaged Youth, Konstanz, May 17, 1996.

With Andrew J. Oswald, 'Efficiency wages and the German wage curve' (in German), *Mitteilungen aus der Arbeitsmarkt-und Berufsforschung*, v29, n3, 1996.

The Role and Influence of Trade Unions in the OECD, report to the Bureau of International Labor Affairs, U.S. Department of Labor, August, 1996.

With Andrew J. Oswald and London Economics, *The Area Labour Cost Adjustment: Disaggregated Estimates, Supplementary Annex, Project A*, London Economics, June 1996

With Andrew J. Oswald, Berkeley Hanover Consulting and London Economics, *Review of The Area Cost Adjustment, Project A – Final Report*. London Economics, June 1996

With Andrew J. Oswald, Bill Baker and Jonathan Sandbach, *The Area Labour Cost Adjustment: Analysis and a New Approach: Project B*, A Report to the Department of the Environment, National Economic Research Associates, London, April 1996.

With Andrew J. Oswald and London Economics, *Wage Levels in the Regions of Britain. A Report for Tesco by London Economics*. London Economics, September 1996.

With Andrew J. Oswald, Bill Baker and Jonathan Sandbach, *The Area Labour Cost Adjustment: Empirical Analysis and Evidence on a New Approach: Project C*, A report to the Department of the Environment, National Economic Research Associates, London, April 1996.

1995

With Andrew J. Oswald, 'An introduction to the wage curve,' *Journal of Economic Perspectives*, Summer, 1995, pp. 153-67.

With Larry Katz and Gary Loveman, 'A comparison of changes in the structure of wages in four OECD countries,' in *Differences and Changes in Wage Structures* edited by Larry Katz and Richard Freeman and published by University of Chicago Press and NBER, pp. 25-65, 1995.

With Andrew J. Oswald, 'International wage curves,' in *Differences and Changes in Wage Structures* edited by Larry Katz and Richard Freeman and published by University of Chicago Press and NBER, 1995, pp. 145-174.

With Andrew J. Oswald, 'Labour market theories on trial,' *New Economy*, 1995, vol. 2, no. 3, Autumn.

With Richard Jackman and Gilles Saint-Paul, *Swedish Labor Market Policy: an Evaluation.* Report of a Non-Nordic Institution, published by the Swedish Ministry of Labour, Stockholm, Sweden, 1995.

1994

With Andrew J. Oswald, *The wage curve*, MIT Press, Cambridge, MA.

With Andrew J. Oswald, 'Estimating a British wage curve, 1973-1990,' The *Economic Journal*, September, 1994, pp.1025-1043.

With Bruce Meyer, 'A longitudinal analysis of young entrepreneurs in Australia and the United States,' *Small Business Economics*, vol. 6, no. 1, pp. 1-20, 1994 reprinted in *Small firms and economic growth edited by* Acs, Zoltan J., Volume 2. 1996, pp. 460-78, International Library of Critical Writings in Economics, vol. 61, Edward Elgar, Cheltenham, United Kingdom

With James Sargent, 'Obesity and stature in adolescence and earnings in young adulthood,' *Archives of Pediatrics and Adolescent Medicine*, 1994, 148, pp. 681-687.

With Lisa Lynch, 'Training at work: a comparison of the United States and British youths,' in *International Comparisons of Private Sector Training* edited by Lisa Lynch and published by University of Chicago Press and NBER, 1994.

With Richard Freeman, 'Did the Thatcher reforms change British labour market performance?,' in Ray Barrell (Ed.) *The UK labour market. Comparative aspects and institutional developments*, Cambridge University Press, 1994.

1993

With Andrew J. Oswald, 'Testing for a U-shaped wage curve: a response to Sessions,' *Scandinavian Journal of Economics*, 1993, 95(2), pp. 245-248.

With Jim Sargent and Ardis Olson, 'Adolescent obesity and subsequent labor market performance: do fat children earn less as adults?,' *American Journal of Diseases of Children*, 1993, 147(4).

With Peter Elias, 'Ability, schooling and earnings; are twins different?' Paper presented at the American Economic Association Meetings, Anaheim, January, 1993.

'The bifurcated labor market,' paper prepared for a meeting of the Panel of Economic Advisors, Congressional Budget Office, November 15th, 1993.

1992

With Richard Freeman, 'Going different ways: unionism in the United States and other OECD countries,' *Industrial Relations*, Winter 1992, pp. 56-79 reprinted in *Labor Market Institutions and the Future Role Of Unions* edited by M. Bognanno and M. Kleiner, Blackwell, 1992.

With Bruce Meyer, 'Young entrepreneurs in Australia and the United States,' in *Youth in the Eighties. Papers from the Australian Longitudinal Survey Research Project*, edited by R.G. Gregory and T. Karmel, CEPR, Australian National University, 1992.

'Part-time employment and industrial relations in Great Britain in the 1980's,' in *Working Part-time: Risks and Opportunities*. Edited by B. Warme, L. Lundy and K. Lundy, Praeger, New York.

1991

'The economic effects of profit sharing,' *International Journal of Manpower*, 12, 1, pp. 3-9, January, 1991.

'Fear, unemployment and pay flexibility,' The *Economic Journal*, May, 1991, pp. 483-496.

With Andrew J. Oswald and Neil Millward, 'Unionism and employment behavior,' *The Economic Journal*, July 1991, pp. 815-834.

'Gli effetti economicic del profit sharing in Gran Bretagna,' in *Salari e Producttivita. Esperienze Internazionali e Italiene* edited by G. Della Rocca and L. Prosperetti, Aisri/franco Angeli, Milan, 1991

1990

With Andrew J. Oswald, 'The determination of white-collar pay,' *Oxford Economic Papers*, 42, pp. 356-378, 1990.

With Andrew J. Oswald, 'The wage curve,' *Scandinavian Journal of Economics*, 92, pp. 215-235, 1990. Reprinted in *Unemployment and wage determination in Europe*, edited by B. Holmlund and K.G. Lofgren, Basil Blackwell and *The economics of unemployment* edited by Junankar, P. N, Volume 4. 2000, pp. 339-59, International Library of Critical Writings in Economics, vol. 122. Cheltenham, United Kingdom and Northampton, Mass., Edward Elgar.

With Andrew J. Oswald and Mario Garrett, 'Insider power in wage determination,' *Economica*, 57, pp. 143-170, 1990.

'Bargaining into the 1990s: where now?,' *International Journal of Manpower*, 11, 7, pp. 32-39, November, 1990.

With Andrew J. Oswald, 'Self-employment and the enterprise culture,' in *British Social Attitudes:* the 1990 Report, edited by R. Jowell, S. Witherspoon and L. Brook, Gower, 1990.

With Robert Crouchley, Saul Estrin and Andrew J. Oswald, 'Unemployment and the demand for unions,' NBER Working Paper No. 3251, February, 1990.

1989

With Andrew J. Oswald, 'Comment on house prices,' *Oxford Bulletin of Economics and Statistics*, pp. 137-143, 1989.

With Andrew J. Oswald, 'International patterns of work,' in *British Social Attitudes: International Comparisons*. Edited by R. Jowell and S. Witherspoon, Gower Press, 1989.

With Peter Elias, Occupational earnings and work histories: who gets the good jobs? Department of Employment Research Paper No. 68, 1989.

1988

With Neil Millward, 'Trade unions and employment change: an analysis of British establishment data,' *European Economic Review*, 32, pp. 717-726, 1988.

With Andrew J. Oswald, 'Internal and external influences upon pay settlements: new survey evidence,' *British Journal of Industrial Relations*, 3, pp. 363-370, 1988.

With Andrew J. Oswald, 'Profit related pay: prose discovered,' *The Economic Journal*, September 98, pp. 720-730, 1988.

With Andrew J. Oswald, *The economic effects of Britain's trade unions*, Employment Institute, 1988.

1987

With Andrew J. Oswald, 'Profit sharing: can it work?,' *Oxford Economic Papers*, vol. 39, pp. 1-19, 1987. Reprinted in P. Sinclair (Ed.), *Prices, Quantities and Expectations*, Oxford University Press, Oxford.

With Peter Elias, 'Local labour market influences on early occupational achievement,' in Ian Gordon (Ed.), *Unemployment, regions and labour market reactions to recession*. Pion Press, 1987.

With Bernard Corry, *Part-time employment in Great Britain 1980*, Department of Employment Research Paper No. 57, 1987.

1986

With John Cubbin, 'Strike propensities at the British workplace,' Oxford Bulletin of Economics and Statistics, February 1986, pp. 19-40.

'Wages and concentration in Great Britain,' *Applied Economics*, vol. 18, 1986, pp. 1025-1038.

'What effect do unions have on relative wages in Great Britain?,' *British Journal of Industrial Relations*, vol. 24, 1986, pp. 196-204.

1985

With Peter Elias, 'Male part-time employment,' Labour Market Quarterly Report, 1985.

1984

'Comparative pay levels in domestically-owned and foreign-owned manufacturing plants: a comment,' *British Journal of Industrial Relations*, July 1984, pp. 265-267.

'Union relative wage effects; a cross-section analysis using establishment data,' *British Journal of Industrial Relations*, November 1984, pp. 311-332.

Consulting activities - Blanchflower Consulting LLC

- 1) Governments and Government Departments
- a) UK Departments of Employment (1983-1989) and the Environment (1995-1996); consultant.
- b) United States Department of Labor, 1996.

- c) Swedish Ministry of Employment, 1995.
- d) Congressional Budget Office Panel of Economic Advisors; expert witness, 1994.
- e) United States Department of Justice (as intervenors), 2000.

2) International Bodies

- a) Organisation of Economic Cooperation and Development, Paris, 1994-2000. Consultant on labor market issues.
- b) International Labour Organisation, 1997-1999.

3) Banks

- a) New York Federal Reserve Bank, 1996. Consultant to help improve the Bank's research methods.
- b) Board of Governors of the Federal Reserve, 1997-2003. Consultant on pay setting for executives.

4) Consulting Firms

- a) National Economic Research Associates, Cambridge Massachusetts, 1994-2006
- b) National Economic Research Associates, London, UK, 1994-2002
- c) London Economics, London, UK, 1994-2000
- d) New Bridge Street Consultants, 1986-7.

For all of these firms I help to write reports and provide general assistance as needed on labor market issues, with special emphasis on pay determination and discrimination.

5) Law Firms

I have worked for various law and consulting firms preparing evaluations of losses of earnings in personal injury, medical malpractice, discrimination and wrongful death cases for both defendants and plaintiffs.

6) Private sector firms

- a) London Electricity (UK), 1993. Provided a report on appropriate wage structure to use in evidence to the government Regulator.
- b) Tesco (UK), 1996. Acted as consultant for the biggest retail chain in the UK to help them in determining an appropriate pay strategy.
- c) Visa, 1998. Writing a series of papers on the role of credit cards. In collaboration with NERA.

- d) Microsoft, 1999-2000.
- e) Marsh McLennan, 2007.
- f) Doordash, 2021-

7) Trade unions

- a) General, Municipal and Boilermakers Union, UK consultant.
- b) Union of Shop, Allied and Distributive Trades (USDAW), UK consultant.

8) Public Sector Bodies

- a) New York State Judicial Pay Commission. Consultant on how to set the pay of New York state judges, 1997
- b) Associations of Local Government in London and the South-East. Consultant on pay setting. In collaboration with NERA, London, 1998.
- c) Farm Credit Administration. 2001. Consultant on pay setting.
- d) I have also worked for a number of states and municipalities on cases related to minority and women-owned businesses. These include:
- i) State of Texas Department of Transportation (TXDOT).
- ii) State of Maryland Department of Transportation (MDOT).
- iii) Chicago METRA.
- iv) State of Nebraska Department of Transportation and United States Department of Transportation (Gross Seed).
- v) State of Minnesota Department of Transportation and United States Department of Transportation (Sherbrooke Turf).
- vi) City of Chicago (BAGC v. City of Chicago).
- vii) City of Jacksonville.
- viii) City of San Francisco.
- ix) City and County of Denver (Concrete Works).
- x) City of St Louis.
- xi) State of Illinois Department of Transportation (IDOT).
- xii) City of Baltimore.
- xiii) State of Missouri DOT.
- xiv) State of Washington DOT.
- xv) Metropolitan Pier and Exposition Authority, Chicago.
- xvi) State of Massachusetts.
- xvii) City of Austin, Texas.
- xvii) City of Chicago Public Schools.
- f) City of New York in a dispute with the United Federation of Teachers, 2001.

- g) City of New York in impasse disputes with the Patrolmen's Benevolent Association, 2001, 2004/5.
- h) Worcestershire County Council, UK, 2004, 2006, 2008-.
- i) Croydon County Council, UK, 2004.
- j) Thames Valley Strategic Health Authority, 2004.
- k) City of Detroit in an Act 312 dispute regarding police, 2007.
- l) Wayne County Michigan in an Act 312 dispute regarding the pay and conditions of sheriff's deputies, sergeants and lieutenants, 2007.
- m) City of Chicago Public Schools regarding school segregation, 2006-2008.
- n) Wayne/Westland School District, 2008.
- o) City of Chicago MWBE program, 2014-2016.
- p) City of Chicago Public Schools re students with disabilities, 2011
- q) City of Chicago Public Schools re Construction MWBE program, 2012
- r) City of Chicago MWBE program in Goods and Services, 2012-2013
- s) Chicago City Colleges MWBE program, 2013
- t) City of Chicago Public Schools litigation in relation to school closings, turnarounds and layoffs, 2014-

9) Testifying

As part of my work on the Monetary Policy Committee I testified regularly before the Treasury Select Committee of the House of Commons. I have also testified twice in front of the House of Lords Economic Affairs Committee. I also testified once in front of the Swedish Parliament.

I have also testified before both houses of the State of Maryland as well as twice in front of the Chicago City Council. I have given deposition testimony in many legal cases. I have testified at trial as an expert witness on the side of defendants in several cases including the following.

- i) Concrete Works versus the City and County of Denver, 2000.
- ii) Gross Seed versus State of Nebraska DOT and the USDOT, 2002.
- iii) Sherbrooke Turf vs State of Minnesota DOT and the USDOT, 2002
- iv) Builder's Association of Greater Chicago versus City of Chicago, 2003.
- v) United States versus City of Chicago Public Schools, 2009.

10). Keynotes

I have given keynote lectures for a number of private sector clients including AIC; Arrowgrass Capital; Bank of America; Barclays Capital; Bloomberg; CFA Institute; Citiwire; Deloitte; Ernst and Young; European Private Equity Leadership Forum; ICAP; Jefferies; Lloyds of London; Mercer; RBC; Schroders; UBS and many others.

May 11th 2022