

## Anna Margriet Salomons

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### POSITIONS

Associate professor of applied econometrics, Utrecht School of Economics, Utrecht University, January 2016 – current  
Visiting researcher, Department of Economics, Massachusetts Institute of Technology, Cambridge, February 2017 – August 2017  
Assistant professor of applied econometrics, Utrecht School of Economics, Utrecht University, September 2011 – December 2015  
Affiliated researcher, Research Centre for Education and the Labour Market (ROA), Maastricht University, September 2015 – current  
Affiliated researcher, Center for Economic Studies, University of Leuven, September 2012 – current  
Visiting researcher, Centre for European Economic Research (ZEW), Mannheim, June 2014 – July 2014 & March 2016  
Visiting researcher, Centre for Economic Performance, London School of Economics, October 2009 – February 2010  
Researcher, Steunpunt Werk en Sociale Economie (Knowledge Center Work and Social Economics), Leuven, 2007 – 2011

### RESEARCH GRANTS AND PRIZES

Dutch National Science Foundation (NWO) Veni grant, EUR 250K, awarded August 2015  
Best paper prize at “New Empirical Developments in Health and Labor Markets” conference, UniCredit & Universities Foundation, 05/2016 (with Terry Gregory and Ulrich Zierahn)  
Utrecht University “Institutions” Seed Money for interdisciplinary research projects, EUR 23K, 2014 (with Madeleine de Cock-Buning, School of Law, Utrecht University)  
Strengthening Efficiency and Competitiveness in the European Knowledge Economies (SEEK) grant, EUR 180K, 04/2013 – 09/2014 (with Terry Gregory and Ulrich Zierahn)  
Senior Research Prize, Utrecht University School of Economics, 12/2014

### DOCTORAL STUDIES

Ph.D., Economics, Center for Economic Studies, University of Leuven (KU Leuven), Belgium. PhD scholarship granted by Steunpunt Werk en Sociale Economie. Obtained July 2012.

### PRE-DOCTORAL STUDIES

M.Sc., Economics, Erasmus University Rotterdam, the Netherlands, 2007, summa cum laude  
Exchange program, Faculty of Economics, University of Buenos Aires, Argentina, 2005  
Summer program in Economics, Erasmus University Rotterdam, the Netherlands, 2004  
B.A., Humanities with a minor in Economics, University College Utrecht, the Netherlands, 2004, summa cum laude

## PUBLICATIONS

"Technology and Employment," *Brookings Papers on Economic Activity*, forthcoming spring 2018 (with David Autor).

"Female CEOs, Board Context, and the Completion of Mergers and Acquisitions in the U.S. Food Industry," In: More Women on Boards of Directors: An International Perspective, Lynne E. Devnew, Ronald J. Burke, Marlene Janzen Le Ber, and Mariateresa Torchia (Eds), Edward Elgar Publishing, forthcoming 2018 (with Gerwin van der Laan and Katrin Muehlfeld).

"Job Polarization: A Policy Framework," *Oxford Review of Economic Policy*, forthcoming March 2018 (with Erik Buyst and Maarten Goos).

"Robocalypse Now: Does Productivity Growth Threaten Employment?," *European Central Bank Conference Proceedings*, June 2017 (with David Autor).

"Fear of Robots at Work: The Role of Economic Self-Interest," *Socio-Economic Review*, February 2017 (with Fabian Dekker and Jeroen van der Waal).

"Measuring Teaching Quality in Higher Education: Assessing Selection Bias in Course Evaluations," *Research in Higher Education*, July 2016, 1-24 (with Maarten Goos).

"Explaining Job Polarization: Routine-Biased Technological Change and Offshoring," *American Economic Review*, August 2014, 104(8): 2509–2526 (with Maarten Goos and Alan Manning).

"Explaining Job Polarization: Routine-Biased Technological Change and Offshoring," article reprinted in: The International Library of Critical Writings in Economics: Trade and Inequality, Pinelopi Koujianou Goldberg (Ed.). Edward Elgar Publishing, 2015 (with Maarten Goos and Alan Manning).

"A Review of "Occupational Change in Europe: How Technology and Education Transform the Job Structure," *Industrial and Labor Relations Review*, July 2014, 67(3): 1050–1052 (with Maarten Goos)

"Job Polarization in Europe," *American Economic Review Papers and Proceedings*, May 2009, 99(2): 58-63 (with Maarten Goos and Alan Manning).

## PUBLICATIONS AND POLICY REPORTS IN DUTCH

"Hoe Robots Beter Kunnen Werken – En Wij Ook", In: Scientific Council for Government Policy (WRR) Report De Robot De Baas, 2015.

"Het Woord Aan...", *Economisch Statistische Berichten*, 2014.

"De Fragiliteit van Belgische Beroepen op Lange en Korte Termijn," in: Jaarboek Armoede en Sociale Uitsluiting 2010, Ed. Jan Vranken, University of Antwerp.

"De Gevolgen van Polarisatie van de Banenstructuur op de Arbeidsmarktkansen van Vrouwen, Ouderen en Laagopgeleiden," *Over.Werk* 19(3): 43-50, 2009.

"De Veranderende Structuur en Kwaliteit van Banen in België," *Over.Werk* 19(3): 30-42, 2009 (with Maarten Goos).

"Vraag en Aanbod op de Arbeidsmarkt voor Vaardigheden," *Over.Werk* 19(3): 18-29, 2009 (with Maarten Goos).

"De Kwetsbaarheid van Beroepen op Lange en Korte Termijn in België," Steunpunt Werk en Sociale Economie (SWSE) Policy Report, 2011.

"Kwalitatieve Veranderingen in de Banenstructuur in België en Vlaanderen," SWSE Policy Report, 2010.

"Sectorale Job Creatie en Job Destructie in Vlaanderen," SWSE Policy Report, 2010 (with Maarten Goos).

"Kwantitatieve Veranderingen in de Banenstructuur in België en Vlaanderen," SWSE Policy Report, 2009 (with Maarten Goos).

### **WORK IN PROGRESS**

"Racing With or Against the Machine? Evidence from Europe" (with Terry Gregory and Uli Zierahn), awarded best paper prize at "New Empirical Developments in Health and Labor Markets" conference, UniCredit & Universities Foundation (05/2016).

"Routinization across Sectors: Theory and Evidence" (with Maarten Goos, Emilie Rademakers and Marieke Vandeweyer).

"Matching on Tasks: Evidence from an Online Job Platform" (with Maarten Goos, Emilie Rademakers and Bert Willekens).

"Outsourcing and Wage Inequality: Firm-Level Evidence" (with Jan Verhoeckx and Utz Weitzel).

### **PHD STUDENT SUPERVISION AND PROMOTION COMMITTEES**

Jan Verhoeckx (Radboud University, PhD expected 2018), promotor, joint with Utz Weitzel – placement: Radboud University, Nijmegen

Ronja Roettger (University of Utrecht, PhD expected 2021), promotor, joint with Maarten Goos

Emilie Rademakers (University of Leuven, PhD expected 2018), promotion committee member

Sem Vandekerckhove (University of Leuven, PhD expected 2017), promotion committee member – placement: Research Institute for Work and Society, Leuven

Marieke Vandeweyer (University of Leuven, PhD expected 2017), promotion committee member – placement: OECD, Paris

### **OTHER PROFESSIONAL ACTIVITIES**

#### Keynote speeches

Keynote speaker at "Technology and Employment" conference, Institute for Employment Research (IAB), Nuremberg, scheduled 02/2018

Keynote speaker at Eurkind (European Network on Knowledge, Innovation, Development) "Innovation, Employment & the Environment" conference, Valencia, 06/2016

Keynote speaker at "Microevidence on labour market implications of globalization and agglomeration" conference, Free University of Amsterdam & CPB, the Hague, 03/2013

#### Selected conference, seminar and workshop presentations (\*presented by coauthor)

University of Barcelona, scheduled 11/2017

National Bureau of Economic Research (NBER) Economics of Artificial Intelligence Conference\*, Toronto, 09/2017

European Central Bank Annual Conference\*, Sintra, 06/2017

"Beyond Routine-Replacing Technological Change" conference, Sophia Antipolis, 06/2017

New Approaches to Economic Challenges (NAEC) seminar, OECD, Paris, 01/2017  
 University of Trier invited seminar, 06/2016  
 University of Manchester invited seminar, 04/2016  
 Skills, Occupations and Inequality conference, Mannheim, 03/2016  
 Allied Social Science Associations (ASSA) annual meeting\*, San Francisco, 01/2016  
 Maastricht University invited seminar, 06/2015  
 Leuven Economics of Education Research (LEER) Conference on Education Economics, Leuven, 04/2015  
 Free University of Amsterdam (VU) invited seminar, Tinbergen Institute, 03/2015  
 "Day of (In)Equality" conference, Utrecht, 09/2014  
 4th European Meeting of the Urban Economics Association\*, St Petersburg, 08/2014  
 European Society of Population Economics annual conference\*, Braga, 06/2014  
 Centraal Planbureau (CPB) invited seminar, The Hague, 05/2014  
 Groningen University invited seminar, 03/2014  
 Freiburg University invited seminar, 02/2014  
 Centre for European Economic Research (ZEW) invited seminar, Mannheim, 04/2013  
 Humboldt University invited seminar, Berlin 10/2012  
 European Association of Labour Economists (EALE) conference, Bonn, 09/2012  
 Globalization and Labour Market Outcomes Conference, International Labour Organization (ILO), Geneva, 06/2011  
 Spring Meeting for Young Economists (SMYE) conference, University of Groningen, 04/2011  
 Centre on Inequality, Poverty, Social Exclusion and the City (OASeS), University of Antwerp, 05/2010  
 Doctoral Workshop, University of Louvain-la-Neuve, 05/2010  
 The Econometric Society North American summer meeting\*, Boston, 06/2009  
 Allied Social Science Associations (ASSA) annual meeting\*, San Francisco, 01/2009

#### Refereeing

CPB discussion paper series, *Economics Letters*, *European Economic Review*, Flanders Research Foundation (FWO), *Industrial and Corporate Change*, *Industrial and Labor Relations Review*, *Journal of the European Economic Association*, *Journal for Labour Market Research*, *Journal of Labor Economics*, *Labour Economics*, *Manchester School*, *Oxford Bulletin of Economics and Statistics*, *Regional Science and Urban Economics*, *Review of Economics and Statistics*, *Scandinavian Journal of Economics*, *The Journal of International Trade & Economic Development*

#### Conference (co-)organization

"Beyond Routine-Replacing Technological Change" conference, Sophia Antipolis, 06/2017 (with Francesco Vona)  
 European Employment Research Dialogue (EERD) Meeting: Technology and Employment, Leuven, 11/2014 (with Maarten Goos and DG Employment)  
 TASKS IV conference "Labour Market Adjustments to Digitization and the Future of Work", Mannheim, 09/2016 (scientific committee)  
 TASKS II conference, Bonn, 01/2012 (session chair)

#### Selected policy presentations and public lectures

Lecture on Technology and Employment at social security conference, Oslo, scheduled 12/2017  
 Panelist at Google event "A Conversation on the Future of Work", Helsinki, scheduled 10/2017  
 Lecture on Robots & Jobs at De Universiteit van Nederland, Club AIR Amsterdam, 09/2017  
 European Central Bank forum participant, Sintra, Portugal, 06/2017  
 Panelist at policy debate "De Toekomst van Werk: De Robot als Collega", Pakhuis De Zwijger, Amsterdam, 09/2016  
 Speaker at Alliance of Liberals and Democrats for Europe (ALDE) conference, Budapest, 11/2015  
 Panelist at book presentation "De Robot de Baas", Pakhuis De Zwijger, Amsterdam, 12/2015  
 Ministerial staff presentation, Dutch Ministry of the Interior and Kingdom Relations, The Hague, 06/2015  
 Speaker at European Employment Research Dialogue (EERD) Meeting: Technology and Employment, European Commission, 11/2014

Speaker at annual conference of the Dutch Ministry of Social Affairs and Employment (Sociale Zaken en Werkgelegenheid), The Hague, 09/2014  
ABN Amro Annual Prinsjesdagseminar panelist (joint with Prof. Sylvester Eijffinger, ABN Amro Head Economist Han de Jong, and Agnes Jongerius), Topic: The Disappearing Middle Class, The Hague, 09/2014  
"Robots and Jobs: Evidence and Challenges", pamphlet for SPARC European Robotics Partnership, distributed among SPARC partners and media, 08/2014  
Presentation of policy report "Een Econometrische Evaluatie van Selectievertekening in Onderwijsevaluaties", Education Board, University of Leuven, 06/2014

#### Departmental service

Hiring committees for post-doc and tenure track assistant professors, Utrecht University, 2014-2016  
Member of educational program accreditation committee, Honors Bachelor in Economics and Business, Utrecht University, 2015  
Member of research assessment committee, Utrecht University, 2015  
Thesis audit committee, 2015  
Member of project group designing Honors education program for the Bachelor in Economics, Utrecht University, 2013-2014  
Member of project group redesigning the Bachelor in Economics, Utrecht University, 2013/2014  
Workshop at the Open Days for Bachelor students, 2011-2016

### **TEACHING EXPERIENCE**

#### Utrecht University

Econometrics, second year mandatory BSc course  
Mathematics, first year mandatory BSc course  
Statistics, first year mandatory BSc course  
Stata programming for Bachelor and Master thesis writers  
Thesis supervision for Bachelor in Economics and Business  
Thesis supervision for Honors Bachelor in Economics and Business  
Thesis supervision for Master in Economics and Business  
Thesis supervision for Research Master in Multidisciplinary Economics  
Studium Generale

#### University of Leuven

Labor Economics, MSc and Research Master course  
Theory of Economic Growth, third year elective BSc course  
Thesis supervision for Master in Economics  
Thesis supervision for Research Master of Advanced Studies in Economics

### **TEACHING CERTIFICATION & TEACHING AWARDS**

Teaching Academy Utrecht University (TAAU) affiliation, 2016-current  
Educational Leadership qualification, Center of Excellence in University Teaching (CEUT), obtained 09/2016  
Senior University Education Qualification (SKO), obtained 11/2015  
Honors Education Qualification, obtained 11/2013  
Basic University Education Qualification (BKO), obtained 11/2013  
Winner of departmental teaching prize for the course with the highest student evaluation score in the Bachelor of Economics, Econometrics, 2013  
Top-rated teacher, survey organized by Economics student association, Utrecht University, 2013  
Workshop on teaching in a multicultural environment, Utrecht University, 2011

## PRESS COVERAGE OF RESEARCH

*(Inter)national print media:* The New York Times, The Washington Post, The Wall Street Journal, The Economist, Huffington Post, De Volkskrant, Het Financieele Dagblad, Trouw, de Telegraaf, De Morgen, De Tijd, Le Soir, Observador...

*Online media:* VoxEU.com, Bloomberg.com, Nu.nl, Makronom.de, Robotenomics.com, Apache.be, ...

*Radio:* BNR Nieuwsradio, NOS Journaal, Radio 1, Radio M Utrecht

### Selected examples of press coverage:

- "Investment and growth in advanced economies: Selected takeaways from the ECB's Sintra Forum," *VoxEU.com*, <http://voxeu.org/article/investment-and-growth-advanced-economies-selected-takeaways-ecb-s-sintra-forum>, 23 August 2017
- "Why robots won't steal our jobs," *Charleston Gazette-Mail*, 14 August 2017
- "Robocalypse Now? Productivity and Employment in the Smart-Machine Age," *The Wall Street Journal*, 21 July 2017
- "Why robots won't steal all our jobs," *Daily Herald*, 19 July 2017
- "AI Arrives in Canada: Will Prosperity Follow?" *EE Times*, 19 July 2017
- "Why robots won't steal all our jobs," *The Business Times Singapore*, 18 July 2017
- "Yes, robots rob us of old jobs but also create new tech-inspired work," *Pretoria News South Africa*, 14 July 2017
- "Robots creëren nieuwe jobs," *De Standaard*, 13 July 2017
- "Nee, robots pikken uw job niet in," *De Standaard*, 13 July 2017
- "Why robots won't steal all our jobs," *The Washington Post*, 12 July 2017
- "Robocalipsis ya: la automatización según los bancos," *La Nación*, 15 July 2017
- "Should-Read: David Autor and Anna Salomons, Does Productivity Growth Threaten Employment?," *Brad DeLong*, <https://leaders.economicblogs.org/>
- "Robocalypse? Not now," *Sun Sentinel*, 10 July 2017
- "The robots are coming! Here's what to do about it." *The Washington Post*, 7 July 2017
- "Robots et emplois: un pessimisme mal placé," *Le Soir*, 5 July 2017
- "A caminho do Robocalypse?," *Observador*, 3 July 2017
- "Ainda temos empregos, são é empregos diferentes", *Observador*, 3 July 2017
- "Central Bankers Argue Whether Automation Will Kill Jobs," *The New York Times*, 28 June 2017
- "Rising Inequality May Be the Real Risk of Automation," *Bloomberg*, 27 June 2017
- "El riesgo real de la automatización es la creciente desigualdad," *Economía hoy.mx*, 27 June 2017
- "Verliert der mensch im wettlauf gegen die maschine?" *Makronom.de*, 19 September 2016
- "A hire power", *The Economist*, 29 July 2016
- "New research: fears of technological change destroying jobs may be overstated", *Robotenomics.com*, 28 July 2016
- "Zzp'ers en robots gaan niet samen", *De Volkskrant*, 7 January 2016
- "AI 154.000 administratieve banen weg door 'robots'", *De Volkskrant*, 4 October 2014
- "Tienduizenden banen weg door automatisering", *NU.nl*, 4 October 2014
- "De robot die alles kan moet nog worden uitgevonden", *De Volkskrant*, 4 October 2014
- "ICT op de basisschool", *Trouw*, 9 October 2014.
- "Middenklasse smelt weg", *De Standaard*, front page, 11 September 2014.
- "Meer ongelijkheid door polarisering", *De Standaard*, 11 September 2014.
- "Automatisering doet middensegment jobmarkt slinken", *De Tijd*, 11 September 2014.
- "Vraag het de UU: Gaan robots onze banen overnemen?," *De Telegraaf*, 16 May 2015
- "Documentaire over de robot-economie", Radio 1, 5 February 2014 & 7 February 2014
- "Een sluipend proces", *Trouw*, 2 April 2014
- "Muitende middenklasse dreigt", *Het Financieele Dagblad*, front page, 22 February 2014

- "Enkel nog topjobs en rotklussen", *Apache.be*, 21 June 2013
- "Middenklasse ziet banen verdwijnen", *De Volkskrant*, 13 October 2012.

## **LANGUAGES**

Dutch: native

English: fluent

Spanish: fluent

German and French: basic/intermediate