Curriculum Vitae

Christian BONTEMPS

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Contact: Toulouse School of Economics
21 allee de Brienne
31000 Toulouse, FRANCE
Phone: 33 5 61 12 85 95
Email: christian.bontemps@tse-fr.eu

Current Position: Senior Research Fellow, Ecole Nationale Aviation Civile and Toulouse School of Economics.

Former Positions:

sep 2005 - aug 2013: Professor in Economics at the University of Toulouse.

jan 1998 - aug 2005: In charge of economic studies at the Research Center of the French Air Navigation Service Provider (not an academic position).

- Expert in economics of Air Navigation: performance studies, cost benchmarking, traffic forecasts.
- Participation to European programmes (C.A.R.E. - INTEGRA - ATM Efficiency metrics, performance studies with the Performance Review Unit)

Education :

1998 PhD in Economics on "Equilibrium Search Models", University of Paris I and Crest. Advisor: Pr J-M Robin.

1993-1994 Master at University of Toulouse I (with honors).

1989-1992 École Polytechnique.

Publications:

- Testing Distributional Assumptions: a GMM approach, with N. Meddahi, *Journal of Applied Econometrics*, 2012, vol 27, p. 978-1012.
- Set identified linear models, with T. Magnac and E. Maurin, *Econometrica*, 2012, vol 80, p. 1129-1155
- Testing Normality: a GMM approach, with N. Meddahi, *Journal of Econometrics*, 2005, vol 124, 1, p 149-186.
- Les modèles de recherche d'emploi, *La revue Économique*, 2004, vol 55, p. 1-20.
- Equilibrium Search with Continuous Productivity Dispersion: Theory and Non-Parametric Estimation, with J-M Robin et G.J. van den Berg, *International Economic Review*, 2000, vol 41, 2, p. 1039-1074.
- An empirical equilibrium job search model with search on the job and heterogeneous workers and firms, with J-M Robin et G.J. van den Berg, *International Economic Review*, 1999, vol 40, 4, p. 305-358.

Others:

- Identification in Econometrics, Theory and Applications, **Editorial**, with E. Tamer, *Econometrics Journal*, 2013, vol 16, pages Si-Sii.

Working papers:

- Moment-based tests for discrete distributions (2014), submitted.
- Identification and Estimation of Incentive Contracts under Asymmetric Information: An Application to the French Water Sector (2014), with D. Martimort.
- Partial Identification in entry games (2014), with R. Kumar.
- Optimal Moment-based tests for distributional assumptions (2013), with J.M. Dufour and N. Meddahi.
- Moment-based Tests of Multivariate Distributions (2012), with N. Meddahi
- Specification tests for frontier models (2006)

Work in progress & misc.:

- Set identification in partial linear models with Interval censoring (2011), with T. Magnac.
- Entry models & quality in the airline industry (2013) with R. Sampaio.
- Intermodal competition in France (2013).
- Optimal transformation of M-tests (2012).

Grants :

2011-2014 French National Research Agency (ANR), France-Québec program for the task ”Distributional test for noisy data”.

2011-2015 French National Research Agency (ANR) for ”Partial Identification of Economic Structural Models”.

2005-2009 French National Research Agency (ANR) for ”Distributional tests in Time Series”.

Other Professional Activities:

2013 Chair of the 5th French Econometrics Conference (Toulouse, nov 2013). Organization of a Worskhop in Partial Identification (dec 2013).

2012 External member of the committee for the Applied Econometrics Chair at the European University Institute.

2008- Member of the scientific committee of the Econometric Society European Meeting (ESEM).

2011-2012 Invited coeditor for the Special Issue in The Econometrics Journal (with Elie Tamer) related to the 21st EC^2 conference on Identification in Econometrics.

2007-2011 Organization of the Toulouse Econometrics seminar.

dec 2010 Local Organization of the 21st EC^2 conference (Topic is ”Identification in Econometrics: Theory and Applications).

2005-2007 Organization of the Toulouse Econometrics seminar (with T. Magnac and P. Dubois).

Referee for *Econometrica, Review of Economic Studies, Journal of Econometrics, Econometric Theory, Econometrics Journal, Journal of Business and Economic Statistics, Oxford Bulletin of Eco Journal of Financial Econometrics, Studies in Nonlinear Dynamics & Econometrics,The Economic Journal.*

Presentation to International Conferences:

- 1st IAAE Conference, London, June 2014, presentation of "Identification and Estimation of Incentive Contracts under Asymmetric Information: An Application to the French Water Sector".
- IDEI-CSIO Conference, Northwestern University, May 2014, presentation of "Identification and Estimation of Incentive Contracts under Asymmetric Information: An Application to the French Water Sector".
- European Summer Meeting of the Econometric Society (Gothenburg, 2013), presentation of "Identification and Estimation of Incentive Contracts under Asymmetric Information: An Application to the French Water Sector".
- Financial Econometrics Conference, Toulouse, May 2013, presentation of "Optimal Moment-based tests for distributional assumptions".
- EC^2 conference, Maastricht, december 2012, presentation of "Moment-based tests for discrete distributions".
- European Summer Meeting of the Econometric Society (Malaga, 2012), presentation of "Moment based tests for discrete distributions".
- North American Summer Meeting of the Econometric Society (Evanston, 2012), presentation of "Moment based tests for discrete distributions".
- Conference on Identification and Inference in Microeconometrics, (Nashville, 2012), presentation of "Estimating Optimal Contracts under Delegated Management in the French Water Sector ".
- Financial Econometrics Conference (Toulouse, 2011), presentation of "Moment Based Tests of Multivariate Distributions".
- World congress of the econometric society (Shanghai, 2010), presentation of "Estimating Optimal Contracts under Delegated Management in the French Water Sector ".
- 8th conference on "Industrial Organization and the Food Processing Industry" (Toulouse, 2010), discussion of "The Dynamics of French Food Industries: Productivity, Sunk Costs and Firm Exit" from Jean-Pierre Huiban.

- Financial Econometrics Conference, Toulouse, May 2010, presentation of "Moment based tests for discrete distributions".
- First French Econometrics Conference, Toulouse, Dec 2009, presentation of "Set Identified Linear Models".
- IDEI-CSIO conference, Toulouse, May 2009, presentation of "Set Identified Linear Models".
- EC^2 conference, Structural Microeconometrics, Roma, december 2008, presentation of "Estimating Optimal Contracts under Delegated Management in the French Water Sector ".
- IO Econometrics Worshop, Toulouse, december 2008, presentation of " Estimating Optimal Contracts under Delegated Management in the French Water Sector ".
- Journal of Applied Econometrics Conference (Madrid 2008), discussion of " Multivariate Location-Scale Mixtures of Normals and Mean-Variance-Skewness Portfolio Allocation " from J. Mencia and E. Sentana.
- North American Winter Meeting (New Orleans 2008), presentation of "Set Identified Linear Models".
- EC^2 conference, Econometrics of Financial and Insurance Risks (Faro 2007), presentation of "Moment-based tests for discrete distributions".
- GMM Conference (Montréal 2007), presentation of "Set Identified Linear Models".
- ESRC Econometric Study Group Annual Conference (Bristol 2007), presentation of de "Set Identified Linear Models".
- Financial Econometrics Conference (London 2007), discussion of "A comparison of Tests of Mean-Variance Efficiency" from D. Amengual and E. Sentana.
- NSF-NBER Time Series Conference (Montréal 2006), presentation of "Moment-based tests for discrete distributions".
- Econometric Society European Meeting (Vienne 2006), presentation of "Moment-based tests for discrete distributions".
- Econometrics in Rio Conference on time series, panel data, and quantile regression (Rio 2006) : presentation of "Testing Distributional Assumptions: a GMM approach".
- Econometric Society Australian Meeting (Alice Springs 2006), presentation of de "Moment-based tests for discrete distributions".

- International Conference on Time Series Econometrics, Finance and Risk Perth (Perth 2006), presentation of ”Moment-based tests for discrete distributions”.
- Conference on Econometrics of Auctions (Toulouse 2006) : discussant of “Bilateral Bargaining as a Double Auction: The Case of Firms and Workers in Denmark” (B. Brendstrup, J.M. Kuhn et H.J. Paarsch).
- EC^2 conference, Econometrics of Financial and Insurance Risks (Istanbul 2005) : presentation of “Testing Distributional Assumptions: a GMM approach”.
- Time Series Conference (Montréal 2005) : discussant of “Nonparametric Exploration of Continuous Time Volatility Models with Leverage and Jumps”, from T.G. Andersen, T. Bollerslev and D. Dobrev.

Participation to seminars:

- (expected) Montreal, nov 2014, LSE, nov 2014, Bristol, nov 2014.
- Tinbergen institute (Amsterdam), jan 2014, Queen Mary University (London), march 2014, presentation of ”Identification and Estimation of Incentive Contracts under Asymmetric Information: An Application to the French Water Sector”.
- European University Institute (Florence), sep 2013, Yale University, nov 2013, Université de Grenoble, dec 2013, presentation of ”Identification and Estimation of Incentive Contracts under Asymmetric Information: An Application to the French Water Sector”.
- UC San Diego, may 2012, presentation of ”Moment-based tests for discrete distributions”.
- Caltech University, may 2012, presentation of ”Set Identified Linear Models”.
- New Economic School (Moscow), march 2012, presentation of ”Moment-based tests for discrete distributions”.
- Université de Cergy, december 2011, presentation of ”Estimating Optimal Contracts under Delegated Management in the French Water Sector”.
- X-CREST-LEI, november 2011, presentation of ”Estimating Optimal Contracts under Delegated Management in the French Water Sector”.
- CEMFI Madrid, october 2011, presentation of ”Set Identified Linear Models”.
- CREST, May 2010, presentation of ”Moment-based tests for discrete distributions”.

- University of Toulouse, May 2009, presentation of "Set Identified Linear Models".
- Northwestern University, April 2009, presentation of "Set Identified Linear Models".
- Kellogg School of Management, April 2009, presentation of "Moment-based tests for discrete distributions".
- Yale University and New York University, April 2008, presentation of "Set Identified Linear Models".
- University of Mannheim, December 2007, presentation of "Set Identified Linear Models".
- University of Alicante, June 2007, presentation of "Moment-based tests for distributions".
- CEMFI seminar (Madrid), April 2006 : presentation of "Testing Distributional Assumptions: a GMM approach"
- University of Toulouse, march 2005 : presentation of "Testing Distributional Assumptions: a GMM approach"

Visits:

- McGill University (november 2014).
- Yale University (nov 2013), McGill University (Montréal, april 2014)
- UC San Diego (Spring 2012)
- Caltech (May 2012)
- CEMFI Madrid (October 2011)
- Université de Montréal (September 2011)
- Northwestern University (April 2009)
- Yale University (April 2008)

Courses :

2012-2015 :

Forecasting, M2 Saigon.

2012-2013 :

Partial Identification, doctoral program.

Introduction to Econometrics, M1.

Time Series, Master Finance, IAE.

2007-2011 :

Econometrics II (time series), M2 Research, TSE.

Time Series, M1.

Financial Econometrics, M2 Finance, TSE (until 2008).

Financial Econometrics, Master Finance, IAE.