

GOURIEROUX, Christian

OFFICE

Department of Economics, University of Toronto
Max Gluskin House, 150, St George Street
Toronto, M5S3G7, Canada

Email address: gouriero@ensae.fr

Phone: 416 978 51 46

Fax: 416 978 46 22

RESEARCH FIELDS : Econometrics, Finance, Insurance.

CITIZENSHIP : Canadian permanent resident, French citizen

PERSONAL ADDRESS : 2, Flaming Roseway, Toronto, M2N5W8, ON, Canada

AFFILIATION : Professor, University of Toronto and Toulouse School of Economics.

GRADUATE-EDUCATION:ENSAE [National School in Economics and Statistics]:

1969 – 1972

University Paris VI (P.M. Curie): 1969 - 1971

DEGREES : DEA 1971 (Paris VI)
Diploma in Engineering : ENSAE (1972).
Aggregation (1974, in Mathematics, rank 11).

THESE D'ETAT : (The thesis to become full professor in France)

1982 Modèles à variables dépendantes limitées, Rouen University (Supervisor J.P. RAOULT).

POSITIONS :

1972-1974 : Assistant Professor in Probability (ENSAE).
1974-1976 : Professor of Mathematics (Ecole des Travaux Publics (Abidjan)).
1976-1979 : Permanent Professor at ENSAE.
1979-1985 : Associate Professor in Mathematics (Paris IX University).
1985-1988 : Full Professor in Mathematics (Lille I University).
1988-2017 : Full Professor University Paris Dauphine.
1988-1993 : Director of the CREST (Center for Research in Economics and Statistics).
1994-2017 : Director of the Finance-Insurance Laboratory, CREST.
2017-present : Professor Emeritus PSL (University Paris-Dauphine).
2017-present : Professor Emeritus, CREST.
2001-present : Full Professor in Economics (University of Toronto).
2018-present : Professor Toulouse School of Economics.

TEACHING :

The following topics were taught at graduate and postgraduate levels : Linear Programming (E.S.A.), Linear Algebra (E.T.P. ; E.S.A.), Probabilities (ENSAE), Statistics (ENSAE), Econometrics (PARIS IX ; Paris XII), Measure Theory (Lille 1), Survey Sampling (ENSAE), Box and Jenkins Methods (ENSAE ; Paris I), Multivariate Time Series (Lille I, ENSAE), Consumption Econometrics (PARIS IX), Limited Dependent Variable Models (ENSAE ; Paris I), Duration Models (Lille I ; Univ. Penn.), Disequilibrium Econometrics (Paris I), Nonlinear Time Series (Univ. Penn.), ARCH Models and Financial Applications (ENSAE), Endogenous Based Samples (Univ. Penn), Econometrics of Prepayment (Univ. Penn), Dynamic Factor Models (Paris VI-VII), Securitization (ENSAE), Statistics for Insurance (ENSAE), Indirect Inference (Paris VI-VII, CORE, Univ. Penn.), Spatial Processes (ENSAE), Financial Econometrics, (ENSAE, INSEAD, Geneva Univ., Zurich Univ, Toronto Univ.), High Frequency Data (Paris VII), Microeconometrics (INSEAD), Term Structure of Interest Rates (ENSAE, Univ. of Montreal, Univ Paris VII), Value-at-Risk (Univ. of Montreal, Paris VII), Management of Multiple Risks and Copulas (Univ. of Montreal and ENSAE), Credit Risk (ENSAE, Toronto Univ, Geneve, Zurich, Paris 7), Affine Models with Financial Applications (Singapore Univ.), Wishart Processes (St Gallen Univ.), Factor Models (St Gallen Univ., Toronto Univ.), Econometrics of Hedge Funds (ENSAE), Granularity Theory (Toronto Univ., ENSAE), Systemic Risk (Toronto Univ.), Contagion Modelling (ENSAE), Financial Econometrics (Toronto Univ.), Instrumental Models with Applications to Finance and Big Data (Toronto Univ., ENSAE), Noncausal Process and Speculative Bubbles (SOFIE Summer School, Brussels, ENSAE, Toronto Univ.), Factor Models (Toronto Univ.), Stochastic Transition Models with Application to Credit Risk and Epidemiology [Toronto Univ.].

SUPERVISION OF Ph.D. THESES :

I. NADER	(1982)	Estimation of Tobit Model (Paris IX) (Vice-Director, Central Bank of Libano)
A.SZAFARZ	(1984)	Solutions of Rational Expectation Models (Brussels University), (Currently Full Professor at Université Libre de Bruxelles)
L. BROZE	(1985)	Reduction, Identification and Estimation of Rational Expectations Models (Brussels University), (Currently Full Professor at Lille III University) ;
J. PRADEL	(1985)	Rational Expectations : Direct Tests, Bounded Memory, Learning (Paris IX), (Currently Full Professor at Paris I University emeritus)
E. GONCALVES	(1988)	Fractional Processes (Lille I), (Currently Full Professor at Coïmbra University)
J.M. ZAKOIAN	(1990)	Threshold AR Models (Paris IX), (Currently Full Professor at Lille III University).
J. ACCARDO	(1991)	Eigenvalues of the Covariance Operator of a Stationary Process (Lille I), (Currently Administrator at INSEE) ;
M. VISSER	(1992)	Duration Models and Application to Unemployment (Paris I), (Currently Research Director INRA)

Y.S. YUM	(1993)	Causality Measures (Paris I), (Vice-President SK Research Institute, Seoul)
F. JOUNEAU	(1994)	Generalized Theory for Portfolio Management (Currently Full Professor at Lyon University)
R. TUNCER	(1995)	Multivariate ARCH Models (Paris IX) (Currently Associate Professor Istanbul)
TENREIRO DA CRUZ C	(1995)	Nonparametric Estimation of Volatility (Currently Full Professor at Coïmbra University)
CLEMENT E.	(1995)	Simulated Estimation Methods (Paris IX) (Currently Associate Professor at Marne la Vallée University)
SCAILLET O.	(1996)	Term Structure of Interest Rate (Paris IX) (Currently Full Professor at Geneva University).
REN R.	(2000)	Utilisation d'information auxiliaire en theorie des sondages (Paris IX) (Currently sampling statistician, Macro International Inc., Washington)
ROBERT C.	(2002)	“Analyse des risques extrêmes », Paris VII, (Currently Full Professor at Lyon 1 University)
GAGLIARDINI P	(2003)	« Functional Dependence », Lugano Univ, (Currently Full Professor, Lugano Univ. Switzerland)
VALERY P.	(2005)	”Jacobi processes”, Montreal Univ. (Currently Associate Professor, HEC Montréal).
SUFANA, R.	(2006)	“Multivariate Risk”, Univ. of Toronto, (Currently Associate Professor York University, Toronto)
LIU W.	(2007)	“Risk Measures, Univ. of Toronto, (Currently, AVP at Bank of America, New-York)
PENG. X.	(2008)	“Nontradable Market Index and its Derivatives, Univ. of Toronto (Currently Assistant Professor ESSEC Business School, Singapore)
DUBECQ, S.	(2013)	“Term Structure Models”, Paris Dauphine, (Currently Principal Supervisor at the European Central Bank)
KARAPANAGIOTIDIS, P.	(2014)	“Three Essays in Dynamic Models”, University of Toronto (Currently Canadian Pension Plan Investment Board)
HEAM, J.C.	(2015)	“Regulation and Systemic Risk”, University Paris-Dauphine (Currently Administrator at INSEE)
LU, Y.	(2015)	“Bivariate Survival Models with Application to Longevity and Long Term Care”, University Paris-Dauphine, PSL (Currently Assistant Professor University Paris-North), and Concordia University.
DAVIET, R.	(2018)	“Methods for Statistical Analysis and Prediction of Discrete Choices”(Currently Post-Doc at Wharton Business School)
DOBRONYI,C.	(2021)	“Nonparametric Consumption Model with Taste Uncertainty and Individual Heterogeneity”

VISITING PROFESSOR DURING THE LAST 20 YEARS :

February	(1999) :	Montreal University (2 weeks)
July	(1999) :	Australian National University, Canberra (1 week)
November	(1999) :	Yale University, New Haven, (1 week)
Jan – Feb	(2000) :	Montreal University (6 weeks)
November	(2000):	Montreal University (3 weeks)
March	(2001):	University of Pennsylvania (1 week)
March	(2001):	Montreal University (2 weeks)
May	(2004)	University of Singapore (2 weeks)
Juin	(2004)	University of Konstanz (1 week)
May	(2005)	Hong-Kong University (1 week)
June	(2006)	University of Singapore (2 weeks)
April	(2008)	University St. Gallen (2 weeks)
March-April	(2009)	University of Geneva (2 weeks)
March-April	(2010)	University of Geneva (3 weeks)
June	(2010)	University of Singapore (1 week)
June	(2011)	University of Singapore (1 week)

ORGANISATION OF MEETINGS

- Member of the Scientific Committee for the Econometric Society European Meeting (ESEM) 1982 - 1983 - 1984 - 1985 - 1986 - 1990 - 1994.
- Chairman, ESEM 1988 (Bologna)
- Member of the Scientific Committee for the Meeting of the French Statistical Association (ASU) Paris (1982), Lille (1986), Brussels (1992).
- Member of the Scientific Committee for European Finance Association Meeting, 2002-2004
- Member of the Scientific Committee for AFFI meeting, 1998-1999-2001-2003.
- Chairman of the ASU Meeting in Strasbourg (1991).
- Organizer or coorganizer of :
 - « Dynamic Macroeconomic Modelling » (1986),
 - « First Meeting for Young Econometricians » (May 1989),
 - « Heterogeneity in Econometrics » (June 1989),
 - « ARCH Models and Application to Finance » (June 1990),
 - « EC² », Paris (1992),
 - « Financial Modelling and Econometric Analysis », Paris (1994).
 - « Microstructure and High Frequency Data », Paris, (1998).
 - « Paris-Berlin Seminar of Statistics », Garchy, (2000).
 - « Journées d'Assurance », Paris (2001).
 - « Credit Risk », Venice, (2004).
 - « Microstructure on Financial and Money Markets », Paris (2006).
 - « Prospective Mortality Tables, Longevity and Mortality Linked Securities », Paris (2008)
 - « 1st Financial Risk International Forum : Structured Products », March, Paris (2008).
 - « Econometrics of Hedge Funds », January, Paris (2009).
 - « 2nd Financial Risk International Forum : Crisis and Risk Management », March, Paris (2009).
 - « 2nd, Annual Conference on Hedge Funds », January, Paris (2010).

« Large Portfolio, Concentration and Granularity », March, Paris (2010).
 « 3rd Financial Risk Forum : Risk Dependencies », March, Paris (2010).
 « Longevity and Pension Funds », February, Paris (2011).
 « 3rd Annual Conference on Hedge Funds », January, Paris (2011).
 « 4th Financial Risk Forum “Long Term Risks », March, Paris (2011).
 « 4th Conference on Hedge Funds », January, Paris (2012).
 « 5th Risk Forum on Systemic Risks », March, Paris (2012).
 « 1st QMI Research Conference », November, New-York (2012).
 « New Tools for Financial Regulation », November, Paris (2012).
 « 5st Conference on Hedge Funds », January, Paris (2013).
 « 6th Risk Forum on Liquidity Risks », March, Paris (2013).
 « 6th Conference on Hedge Funds », January, Paris (2014).
 « 7th Risk forum on Big Data in Finance and Insurance », March, Paris (2014).
 « Regulation and Systemic Risks », SOFIE Meeting, 3-4 July, Paris (2014).
 « 7th Conference on Hedge Funds », January, Paris (2015).
 « 8th Risk Forum on Scenarios and Stress Tests », March, Paris (2015).
 « 8th Conference on Hedge Funds, January, Paris (2016).
 « 9th Risk Forum, March, Paris (2016).
 « New Challenges for New Data », November, Fields Institute, Toronto (2016).
 « 10th Risk Forum, March, Paris (2017).
 « 11th Risk Forum, March, Paris (2018).
 « 11th Annual Conference of the Society for Financial Econometrics », Lugano, June, 2018.
 « 12th Risk Forum », March, Paris (2019).
 « Regulation and Systemic Risk, December, Paris, (2019).
 « 13th Risk Forum », March, Paris (2020).
 « EC² », December, Paris, (2020).

MEMBERSHIP IN RESEARCH CENTERS :

- ° CEPREMAP, up to 2010.
- ° CREST Paris.
- ° CIRANO (Montreal)
- ° Toulouse School of Economics

ADMINISTRATIVE DUTIES :

- ° Director of the Laboratory of Probability and Statistics, Lille 1 University (1986-1988).
- ° Member of the Superior Council of Universities (Mathematics (1987-1991), (1995-1999)).
- ° Member of the Council of the French Mathematical Society (1986-1989).
- ° Treasurer of the French Mathematical Society (1987-1988).
- ° Member of the Council of the CIRM (Centre International de Rencontres Mathématiques) (1987-1989).
- ° Director of the CREST (1988-1992).
- ° Director of the Ph.D. program (Mathematics Applied to Economics) (1989-1995), Paris Dauphine University.

- Member of the Council of the French Finance Association (1996-2003).
- Member of the Scientific Committee : « Risques et Complexité des Systèmes Financiers », CNRS (1997-2002).
- President of the Scientific Committee for French Housing Price Indexes (1999-2006)
- Vice-President of the French Finance Association (AFFI) (2001-2003)
- Scientific Committee of NCCR-Finrisk (2002-2012), Switzerland.
- Scientific Committee of e-finance program, Canada (2002-)
- Member of the Scientific Committee of the AMF (French Market Authority) (2003-2013)
- Director of the Finance-Insurance Laboratory (CREST) (1993-2017).
- Member of the National Bond Committee (1995-2017).
- Member of the Scientific Committee for the Euronext Market Indices (1995-2011).
- President of the Scientific Committee of the Louis Bachelier Institute (2011-2015), Then vice-president (2015-present).
- Member of the Scientific Committee of the Autorite de Controle Prudentiel et de Résolution (2011-present).
- President of the Scientific Committee QuantValley (2010-).

REFEREEING FOR THE FOLLOWING JOURNALS :

Econometrica, Econometric Theory, Journal of Econometrics, Review of Economic Studies, International Economic Review, European Economic Review, Computational Statistics Quarterly, Research in Marketing, Annales d'Economie et de Statistique, Statistique et Analyse des Données, Revue de Statistique Appliquée, Revue Economique, The Scandinavian Journal of Economics, Journal of Applied Econometrics, Annales de l'Institut Henri Poincaré, Mathematical Finance, Journal of Banking and Finance, Review of Financial Studies. Annals of Statistics, Finance, Journal of Financial Econometrics, Revue Finance, Journal of American Statistical Association, Annals of Mathematical Statistics, Insurance : Mathematics and Economics.

HONORS :

- Elected Member of the International Statistical Institute.
- Elected Fellow of the Econometric Society.
- Elected Fellow of the Louis Bachelier Institute.
- Nominated Fellow of the Institute for Nonlinear Dynamical Inference (Moscow).
- Elected Member of the Fields Institute (Toronto).
- Fellow of the International Association for Applied Econometrics.
- Associate Editor at different periods of : Annales de l'INSEE, Statistique et Analyse des Données, Cahiers du CERO, Econometrica, Econometric Theory, Review of Economic Studies, Journal of Applied Econometrics, Finance, Revue Finance, Journal of Financial Econometrics.
- Correspondant for the Database, Economics Section of Cambridge University Press.
- Co-director of the collection "Textbooks in Econometrics", Cambridge University Press (1993-present).
- Chairman for the Committee of the Frish Medal (1993).
- Chevalier of the Order of Palmes Académiques (1995).
- Honoris Causa Degree : Mons University (Belgium) (2000).
- Honoris Causa Degree : Neuchâtel University (Switzerland) (2005).

- Honoris Causa Degree : University of Montréal (Canada) (2015).

AWARDS

- Gold Medal of the French Statistical Society (1988).
- Koopman's Prize in Econometric Theory (1990).
- "Grand conférencier" from Montreal University (1994).
- French Market Award for the paper « Intraday Market Activity », (1996).
- Econometric Theory Award (1997).
- Bi-Annual Award of the Journal of Empirical Finance for « Sensitivity Analysis of Value-at-Risk », (2000).
- Silver Medal CNRS in Economics (2001).
- Laplace Prize in Statistics (2013).

RESEARCH FUNDING

- NSERC Research Grant (94000\$), co-investigator (2002-2007).
- Axa Research Fund Project : “Large Risks in Insurance”, 100 000 \$ per year from 2006 to 2011.
- Research Initiative : Autorité du Contrôle Prudentiel “Regulation and Systemic Risk”, 100 000 € per year from 2012 to 2018.
- Global Risk Institute, 50 000 € per year from 2012 to 2015.
- Research Initiative LCL : “New Challenges for New Data”, 100 000€ per year on 5 years from 2014-2018.
- Research Initiative : Autorité de Contrôle Prudentiel, 150 000 € per year from 2019 to 2021.

KEYNOTE SPEAKER (since mid 2009)

- Conference on Liquidity, Credit Risk and Extreme Events, Chicago, October 30, 2009.
- JFEC Lecture, 3d Annual Conference Society for Financial Econometrics, Melbourne, June, 16-18, 2010.
- 6th World Congress of the Bachelier Finance Society, Toronto, June, 2010.
- Credit risk, Systemic Risk and Large Portfolios, Venice, September 30, 2010.
- Triangle Econometrics Conference, Research Triangle Park, NC, December 3, 2010.
- SMU-ESSEC Symposium on Empirical Finance and Financial Econometrics, Singapore, June 8-9, 2011.
- Conference of the Thai Econometric Society, Chiang-Mai, January, 12-13, 2012.
- Mathematical Finance Days, Montréal, May, 3-4, 2012.
- Innis Lecture, Canadian Economics Association, Calgary, June, 8, 2012.
- Conference of the Thai Econometric Society, Chiang-Mai, January, 2013.
- SOFIE Conference on Large Scale Models, Lugano, September, 2013.
- The EMM and Indirect Inference Jubilee, Konstanz, May, 2014.
- French Econometric Conference, December, 2014.
- Conference of the Thai Econometric Society, January, 2015.
- Workshop on High Dimensional Time Series, Vienna, June, 2017.
- EC2, Amsterdam, December, 2017.
- Computational and Financial Econometrics, Pisa, December, 2018.
- Conference on Intrinsic Time, May, Konstanz, 2020.

OUTSIDE COMPENSATED ACTIVITIES

The scientific consulting was mainly for credit scoring and advanced implementation of Basel and ISRF regulation.

- Scientific Advisor Bnp Paribas Group (1981-2011).
- Canadian Imperial Bank of Commerce (CIBC) (2006).
- DEXIA Bank (2008-2010).
- Credit Agricole Group (2016-).

PUBLICATIONS

BOOKS

- 1) 1981 *Théorie des sondages*, 270 p., Economica.
- 2) 1983 (with MONFORT) : *Analyse des séries temporelles*, Economica, 400 p..
- 3) 1984 *Econométrie des modèles qualitatifs*, 300 p., Economica, Paris.
- 4) 1989 (with MONFORT) : *Statistique des modèles économétriques*, Economica, 1000 p.. 1995 2nd edition.
- 5) 1990 *Econométrie des Modèles Qualitatifs*, 2nd edition, Economica, 500 p..
- 6) 1990 (with MONFORT) : *Séries Temporelles et Modèles Dynamiques*, Economica, 600 p.. 1995 3rd edition.
- 7) 1990 (with BROZE, SZAFARZ) : *Reduced Forms of Rational Expectations Models*, Harwood Academic Publishers.
- 8) 1993 *Modèles ARCH : applications financières et monétaires*, Economica.
- 9) 1995 (with MONFORT) : *Statistics and Econometric Models*, Cambridge University Press, 2 volumes, 504 p. and 526 p..
- 10) 1995 (with FRACHOT) : *Titrisation et remboursements anticipés*, Economica.
- 11) 1996 (with MONFORT) : *Simulation Based Econometric Methods*, Louvain, CORE Lectures Series ; Oxford Univ. Press, 174 p..
- 12) 1996 (with MONFORT) : *Time Series and Dynamic Models*, Cambridge Univ. Press, 668 p.
- 13) 1997 *ARCH Models and Financial Applications*, Springer-Verlag, 300 p.
- 14) 1997 (with SCAILLET and SZAFARZ) : *Econométrie de la Finance : Analyses Historiques* », Economica, 347 p.
- 15) 1999 *Statistique de l'assurance*, Economica, 300 p.
- 16) 2000 *Econometrics of Qualitative Dependent Variables*, 300p, Cambridge Univ. Press.
- 17) 2001 (with JASIAK) : *Financial Econometrics* , Princeton Univ. Press.
- 18) 2006 (with JASIAK) : “*Microeconometrics for Credit, Insurance and Marketing*”, Princeton Univ. Press.
- 19) 2007 (with TIOMO) : *Risque de Crédit : une approche avancée*”, Economica.
- 20) 2009 (with JEANBLANC) : *Financial Risks : New Developments in Structured Products and Credit Derivatives*, Economica.
- 21) 2014 (with GAGLIARDINI) : “Granularity Theory with Applications to Finance and Insurance”, in *Modern Themes in Econometrics*, Cambridge Univ. Press.
- 22) 2015 (with DAROLLES) : *Contagion Phenomena with Applications in Finance*, Elsevier, 166p.

PUBLISHED PAPERS :

- 1) 1978 (with ROY) : Enquête en deux vagues : renouvellement de l'échantillon, *Annales de l'INSEE*, 29, 115-135.
- 2) 1979 (with MONFORT) : On the Characterization of a Joint Probability Distribution, *Journal of Econometrics*, 9, 115-118.
- 3) 1980 Note sur la notion d'entourage moyen, *Annales de l'INSEE*, 37, 111-123.
- 4) 1980 (with BEGUIN, MONFORT) : Identification of a Mixed ARMA Process: The Corner Method, in *Time Series*, Ed. Anderson, North Holland, 423-436.
- 5) 1980 (with MONFORT) : Sufficient Linear Structures, *Econometrica*, 48, 1083-1097.
- 6) 1980 (with LAFFONT, MONFORT) : Test of the Equilibrium vs Disequilibrium Hypothesis: A Comment, *International Economic Review*, 21, 245-247.
- 7) 1980 (with LAFFONT, MONFORT) : Disequilibrium Econometrics In Simultaneous Equations Systems, *Econometrica*, 48, 75-96.
- 8) 1980 (with LAFFONT, MONFORT) : Coherency Conditions in Simultaneous Linear Equation Models with Endogenous Switching Regimes, *Econometrica*, 48, 675-695.
- 9) 1981 (with LE GALLO) : Construction de moyennes mobiles par minimisation sous contraintes d'une forme quadratique des coefficients, *Annales de l'INSEE*, 42, 93-109.
- 10) 1981 (with BEGUIN, MONFORT) : The Applicability of the Corner Method: A Reply, *Journal of Operational Research*, 32, 1042-1046.
- 11) 1981 (with MONFORT) : Asymptotic Properties of the Maximum Likelihood Estimator in Dichotomous Logit Models, *Journal of Econometrics*, 17, 83-97.
- 12) 1981 (with MONFORT) : On the Problem of Missing Data, *Review of Economic Studies*, 68, 579-586.
- 13) 1981 (with LAFFONT, MONFORT) : Modèles linéaires avec anticipations rationnelles : solutions et critères de sélection, *Cahiers du CNRS*, 23, 15-46.
- 14) 1982 (with HOLLY, MONFORT) : Likelihood Ratio Test, Wald Test and Kuhn-Tucker Test in Linear Models with Inequality Constraints on The Regression Parameters, *Econometrica*, 50, 63-79.
- 15) 1982 (with LAFFONT, MONFORT) : Rational Expectations in Dynamic Linear Models : Analysis of the Solutions, *Econometrica*, 50, 409-425.
- 16) 1982 (with MONFORT, TROGNON) : Estimation and Test in Probit Models with Serial Correlation, in *Alternative Approaches to Time Series Analysis*, 3rd Meeting of Statisticians, Brussels, 169-209.
- 17) 1983 (with MONFORT, TROGNON) : Testing Nested or Non Nested Hypotheses, *Journal of Econometrics*, 21, 83-115.
- 18) 1983 (with MONFORT, TROGNON) : La méthode du pseudo maximum de vraisemblance, *Cahiers du CNRS*, 25, 29-48.
- 19) 1983 (with LAFFONT, MONFORT) : Révision adaptative des anticipations et convergence vers les anticipations rationnelles, *Revue d'Economie Appliquée*, XXXVI, 9-26.
- 20) 1983 (with FOURGEAUD, PRADEL) : La ridge régression, *Cahiers du CNRS*, 25, 11-28.
- 21) 1983 (with PRADEL) : Direct Test of the Rational Expectation Hypothesis, *European Economic Review*.

- 22) 1983 (with MONFORT) : Estimation de marchés avec prix planchers, *Annales de l'INSEE*, 50, 49-71.
- 23) 1984 (with FOURGEAUD, PRADEL) : Some Theoretical Results for Generalized Ridge Regression Estimators, *Journal of Econometrics*, Annals, 191-204.
- 24) 1984 (with TROGNON) : Specification Pre-Test Estimator, *Journal of Econometrics*, Annals, 15-28.
- 25) 1984 (with FOURGEAUD, PRADEL) : Modèles à anticipations rationnelles: Apprentissage par régression, *Annales de l'INSEE*, 54,63-78
- 26) 1984 (with MONFORT, TROGNON) : Pseudo Maximum Likelihood Methods : Theory, *Econometrica*, 52, 680-700.
- 27) 1984 (with MONFORT, TROGNON) : Pseudo Maximum Likelihood Methods: Application to Poisson Models, *Econometrica*, 52, 701-721.
- 28) 1984 (with LAFFONT, MONFORT) : Econométrie des modèles d'équilibre avec rationnement, *Annales de l'INSEE*, 5-38.
- 29) 1985 (with BROZE, SZAFARZ) : Solutions of a Linear Dynamic Model with Rational Expectations, *Econometric Theory*, 1, 341-368.
- 30) 1985 (with MONFORT, TROGNON) : A General Approach of Autocorrelation, *Econometric Theory*, 1, 315-340.
- 31) 1985 (with FOURGEAUD, PRADEL) : Rational Expectations Models and Bounded Memory, *Econometrica*, 53, 977-986.
- 32) 1985 Asymptotic Comparison of Tests for Non Nested Hypotheses by Bahadur's ARE, in *Model Choice*, Brussels, St Louis Publications
- 33) 1985 (with LAROQUE) : The Aggregation of Commodities in Quantity Rationing Models, *International Economic Review*, 26, 681-699.
- 34) 1985 (with MONFORT, RENAULT, TROGNON) : Résidus généralisés, résidus simulés et leur utilisation dans les modèles non linéaires, *Annales de l'INSEE*, 59/60, p. 71-96.
- 35) 1985 (with MONFORT, TROGNON) : Moindres carrés asymptotiques, *Annales de l'INSEE*, 58, p. 91-122.
- 36) 1986 (with FOURGEAUD, PRADEL) : Learning Procedure and Convergence to Rationality, *Econometrica*, 54, 845-868.
- 37) 1986 (with BROZE, SZAFARZ) : Bulles spéculatives et transmission d'information sur le marché d'un bien stockable, *Actualités Economiques*, 62, 166-184.
- 38) 1987 (with MONFORT, RENAULT, TROGNON) : Generalized Residuals, *Journal of Econometrics*, 34, 5-32.
- 39) 1987 (with MONFORT, RENAULT, TROGNON) : Simulated Residuals, *Journal of Econometrics*, 34, 201-252.
- 40) 1987 (with MONFORT, RENAULT) : Kullback Causality Measures, *Annales d'Economie et de Statistique*, 6/7, 369-410.
- 41) 1987 (with MALGRANGE) : "Avant propos", Special Issue on « Modélisation des systèmes dynamiques », *Annales d'Economie et de Statistique*, 6/7, 1-12.
- 42) 1987 (with FOURGEAUD, PRADEL) : Strong Concentration Ordering, *Contributions to Applied Microeconomics*,
- 43) 1987 (with DUJANCOURT) : Moving Average and Statistical Inference, *Contributions to Applied Microeconomics*,
- 44) 1987 (with PEAUCELLE) : Vérification empirique de la rationalité des anticipations de la demande par les entreprises, *Recherches Economiques de Louvain*, Vol. 53, 223-246.
- 45) 1987 *Les sondages*, Ed. Dreesbeke, Fichet, Tassi, *Economica*, Chap. 2: Généralités

- sur la théorie des sondages 29-42 ; Chap. 3: Sondages sans biais, 43-65 ; Chap. 6: Effets d'un sondage : cas du Khi-deux et de la régression, 137-144.
- 46) 1988 Une approche géométrique des processus ARMA, *Annales d'Economie et de Statistique*, 8, 135-160.
- 47) 1988 (with LAROQUE) : Recherche dans un modèle d'équilibre à prix fixes, in the book in honor of E. MALINVAUD, E.H.E.S.S. Editions, 413-432.
- 48) 1988 (with FOURGEAUD, PRADEL) : Court et long terme dans les modèles de durée, in the book in honor of E. MALINVAUD, E.H.E.S.S. Editions, 953-982.
- 49) 1988 (with GONCALVES) : Agrégation de processus autorégressifs d'ordre 1, *Annales d'Economie et de Statistique*, 12, 127-150.
- 50) 1988 (with PEAUCELLE) : Fonctions représentatives de fonctions de production à complémentarité stricte, *Actualités Economiques*, 64, 209-230.
- 51) 1988 (with TROGNON) : Une note sur l'efficacité des procédures d'estimation en deux étapes, in the book in honor of E. MALINVAUD, E.H.E.S.S. Editions, 1055-1075.
- 52) 1988 (with MONFORT, RENAULT) : Contraintes Bilinéaires, in the book in Honor of E. MALINVAUD, E.H.E.S.S. Editions, 983-1012.
- 53) 1989 (with BROZE, SZAFARZ) : Speculative Bubbles and Exchange of Information on the Market of a Storable Good, in *Economic Complexity : Chaos. Sunspots. Bubbles and Nonlinearity*, Cambridge University Press, Ed. Barnett, Geweke, Shell.
- 54) 1989 (with MONFORT, RENAULT) : Testing for Common Roots, *Econometrica*, 57, 171-186.
- 55) 1989 (en collaboration with CARBON, HUBER, LECOUTRE) : Modèles de durée, *Economica*.
- 56) 1989 (with MONFORT) : A General Framework for Testing Null Hypothesis in a Mixed Form, *Econometric Theory*, 5, 63-82.
- 57) 1990 (with FOURGEAUD, PRADEL) : Hétérogénéité et dominance des fonctions de hasard, *Annales d'Economie et de Statistique*, 18, 1-24
- 58) 1990 (with PEAUCELLE) : The Expectations of Demand by Firms and their Effect on Disequilibrium, in *Optimal Decisions in Markets and Planned Economies*, Ed. R. QUANDT and D. TRISKA, Vestview Press, 210-223.
- 59) 1990 (with PEAUCELLE) : Hétérogénéité I : Le cas linéaire, *Annales d'Economie et de Statistique*, 17, 163-218.
- 60) 1990 Hétérogénéité II : Etude des biais, *Annales d'Economie et de Statistique*, 17, 185-204.
- 61) 1990 Quelques développements récents en séries temporelles, *Revue de la S.S.P.*, 131, 7-15.
- 62) 1991 (with MONFORT) : Simulation Based Inference in Models with Heterogeneity, *Annales d'Economie et de Statistique*, 20/21, 69-108.
- 63) 1991 (with PEAUCELLE) : Transitions in Economy : Price Changes in Russia in the Twenties, DP CEPREMAP n° 9127, French version in *Economie et Prevision*.
- 64) 1992 (with MONFORT) : Qualitative Threshold ARCH Models", *Journal of Econometrics*, 52, 159-199.
- 65) 1992 Courbes de performance et de discrimination, *Annales d'Economie et de Statistique*, 28, 107-124.
- 66) 1992 (with PEAUCELLE) : Séries codépendantes, *Actualité Economique*, 68, 283-304.
- 67) 1992 (with MONFORT) : Simulation Based Inference : a Survey with Special

- Reference to Panel Data Models, *Journal of Econometrics*, 59, 5-33.
- 68) 1992 (with FRACHOT) : L'économétrie des modèles dynamiques : avantages et limites des modèles ARCH", *Journal de la SSP*, 133, 53-64.
- 69) 1993 (with MONFORT) : Pseudo Maximum Likelihood Methods, in *Handbook of Statistics*, Vol. 11, Elsevier, Eds Maddala, Rao-Vinod, 335-362..
- 70) 1993 (with MONFORT, RENAULT) : Indirect Inference, *Journal of Applied Econometrics*, 8, 85-118.
- 71) 1993 (with FRACHOT) : L'Econométrie des Données Individuelles : l'Exemple des Remboursements Anticipés, *Journal de la SSP*, 134, 65-72.
- 72) 1993 (with MONFORT, RENAULT) : Test sur le Noyau, l'Image et le Rang de la Matrice des Coefficients d'un Modèle Linéaire Multivarié, *Annales d'Economie et de Statistique*, 32, 81-112.
- 73) 1993 (with PEAUCELLE) : Séries Codépendantes : Application à l'Hypothèse de Parité du Pouvoir d'Achat, in *Macroeconomie : Développements Récents*, Presses de l'Université de Montréal, 285-306.
- 74) 1993 Introduction to Nonlinear Models, in *The Econometrics of Panel Data*, Ed. Matyas-Sevestre, Kluwer Academic Publishers, 2nd edition 1995.
- 75) 1994 (with MONFORT) : Testing Non Nested Hypotheses, in *Handbook of Econometrics*, Vol. IV, 2585-2637.
- 76) 1994 Création d'Actifs Financiers et Remboursements Anticipés, *Actualité Economique*, 70, 227-245.
- 77) 1994 Chapters 3 and 4, in *Modèles ARCH : Théorie Statistique et Applications à la Finance*, Economica.
- 78) 1995 (with MONFORT) : Testing, Encompassing and Simulating Dynamic Econometric Models, *Econometric Theory*, 11, 195-228.
- 79) 1995 (with CLEMENT, MONFORT) : Linear Factor Models and The Term Structure of Interest Rates, *Annales d'Economie et de Statistique*, 40, 37-66.
- 80) 1995 (with MONFORT, RENAULT) : Inference in Factor Models, *In honour of Rao*, Ed. Maddala.
- 81) 1995 (with DE TOLDI, MONFORT) : Seasonal Duration Data : Application to Prepayment, *Journal of Empirical Finance*, 2, 45-70.
- 82) 1995 (with BOULIER) : Des Mathématiques Financières à la Finance Quantitative : Evolution Récente des Modèles Mathématiques Utilisés par les Financiers, *Revue d'Economie Financière*,.
- 83) 1995 (with MONFORT) : Encompassing and Indirect Inference, *Revista Ital. de Statistica*.
- 84) 1995 (with RENAULT and TOUZI) : Calibration by Simulation for Small Sample Correction Bias, in *Simulation Based Inference in Econometrics*, Geweke, J. and R. Mariano Eds.
- 85) 1995 (with PEAUCELLE) : Gestion des Stocks dans le cas de Concurrence Parfaite et Monopolistique, (in Russian), Academy of Science, Novossibirsk.
- 86) 1995 (with BROZE, SZAFARZ) : Solutions of Multivariate Rational Expectations Models, *Econometric Theory*, 11, p. 229-257.
- 87) 1995 (with GHYSELS, JASIAK) : Time Deformation in *Proceedings of the International Conference on Forecasting Financial Markets, New Advance for Exchange Rates and Asset Management*, London.
- 88) 1996 (with PEAUCELLE) : Diffusion et Effets de Vague, *Annales d'Economie et de Statistique*, 44, 191-218.
- 89) 1996 (with MONFORT, RENAULT) : Two Steps GMM estimators with Application

- to Heteroscedasticity of Unknown Form, *Journal of Statistical Planning and Inference*, 50, 37-63.
- 90) 1996 (with GHYSELS, JASIAK) : High Frequency Financial Time Series Data, in C. Dunis and B. Zhou (Eds), *Nonlinear Modelling of High Frequency Time Series*, Wiley, New York.
- 91) 1997 (with BREITUNG) : Rank Tests for Unit Roots, *Journal of Econometrics*, 81, 7-27.
- 92) 1997 (with FOREST and SALVAS-BRONSARD) : D'une analyse de variabilités à un modèle d'investissement des firmes, *Actualités Economiques*, 73, 331-350.
- 93) 1997 (with GHYSELS, JASIAK) : Market and Asset Price Movements : Theory and Estimation, in D. Hand and S., Jacka (Eds), *Statistics in Finance*, Edward Arnold, London.
- 94) 1997 (with JASIAK and LE FOL) : « Activités de Marché Intrajournalières », in Biais, B., Davidoff, D. And B., Jacquillat (Dir) : « Organisation et Qualité des Marchés Financiers », Paris, PUF, 203-220.
- 95) 1997 (with LE FOL) : Volatilités et Mesures de Risque, *Journal de la Société Statistique de Paris*, 4, special issue d'Econométrie Financière.
- 96) 1997 (with MAGNAC) : eds, Numero Special « Duration, Transition and Count Data Models », *Journal of Econometrics*, Vol 79, 2, Introduction, 195-200.
- 97) 1997 Modèles Hétéroscédastiques, in Y. Simon Ed., *Encyclopédie des marchés financiers*, Economica, 1210-1220.
- 98) 1997 (with MONFORT) : Modèles de Comptage Semi-Paramétriques, *Actualités Economiques*, 525-553.
- 99) 1997 (with MONTMARQUETTE), eds, « Econométrie Appliquée », Paris, Economica, 555 pages.
- 100) 1997 (with SCAILLET) : Unemployment Insurance and Mortgages, *Insurance : Mathematics and Economics*, 20, 173-195.
- 101) 1997 (with VISSER) : A Count Data Model with Unobserved Heterogeneity, *Journal of Econometrics*, 79, 247-268.
- 102) 1998 (with BROZE) : Pseudo-Maximum Likelihood Method, Adjusted Pseudo Maximum Likelihood Method and Covariance Estimators, *Journal of Econometrics*, 85, 1, 75-98.
- 103) 1998 (with DIONNE, VANASSE) : Evidence of Adverse Selection in Automobile Insurance Market, in Automobile Insurance, eds. G. Dionne, C. Laberge-Nadeau, Kluwer, 13-46.
- 104) 1998 (with DHAENE, SCAILLET) : Instrumental Models and Indirect Encompassing », *Econometrica*, 63,3,673-688.
- 105) 1998 (with LE FOL) : Effets des modes de négociation sur les échanges », *Revue Economique*, 49, 3, 195-808.
- 106) 1998 (with GHYSELS, JASIAK) : Kernel Autocorrelogram for Time Deformed Processes, *Journal of Statistical Planning and Inference*, 86, 1, 185-192.
- 107) 1998 (with J.P. LAURENT and N. PHAM) : « Mean-Variance Hedging and Numeraire », *Mathematical Finance*, 8, 179-200.
- 108) 1998 (with SCAILLET) : « Multiregime Term Structure Models », *Finance*, 19, 64-80.
- 109) 1998 « Aspect Statistiques de la méthode d'évaluation contingente », *Economie Publique*, 1, 91-123.
- 110) 1998 (with LE FOL, MEYER) : "Etude du Carnet d'ordres", *Banque et Marchés*, 36, 5-20.

- 111) 1999 Econometric Modelling : Methodologies and Interpretations, in « Economics Beyond the Millenium », eds. A. Kirman, and L.A. Gerard-Varet, Oxford Univ. Press, 222-243.
- 112) 1999 (with JASIAK, LE FOL) : Intraday Market Activity, *Journal of Financial Markets*, 2 193-226.
- 113) 1999 (with JOUNEAU) : « Econometrics of Efficient Fitted Portfolios », *Journal of Empirical Finance*, 6, 87-118.
- 114) 1999 « Econometrics of Risk Classification in Insurance », *Geneva Papers for Risk and Insurance*, 24, 119-137.
- 115) 2000 (with CLEMENT, MONFORT) : « Econometric Specification of the Risk Neutral Valuation Model », *Journal of Econometrics*, 94,117-143.
- 116) 2000 (with DAROLLES, LE FOL) : Intraday Transaction Price, *Annales d'Economie et de Statistique*, 60, 207-238.
- 117) 2000 « La mémoire longue en économie : commentaire », *Journal de la Société Française de Statistique*, 140, 2.
- 118) 2000 (with GHYSELS, JASIAK) : « Causality Between Returns and Traded Volumes », *Annales d'Economie et de Statistique*, 60, 189-206.
- 119) 2000 (with JASIAK) : « Nonlinear Panel Data Models with Dynamic Heterogeneity », in « Panel Data Econometrics : Future Directions », eds. J. Krishnakumar, and E., Ronchetti, North Holland, 127-148.
- 120) 2000 (with JASIAK) : « Duration Models », in *Companion in Theoretical Econometrics*, eds. B., Baltagi, Basil Blackwell.
- 121) 2000 (with MONFORT, TENREIRO) : « Kernel M-Estimators », in « Panel Data Econometrics : Future Directions », eds J. Krishnakumar, E., Ronchetti, North-Holland, 235-278.
- 122) 2000 (with LAURENT, SCAILLET) : « Sensitivity Analysis of VaR », *Journal of Empirical Finance*, 7, 225-246.
- 123) 2000 (with RENAULT, TOUZI) : « Calibration by Simulation for Small Sample Bias Correction », in *Simulation Based Inference in Econometrics*, eds Mariano, R., Schuerman, T. and M. Week, Cambridge Univ. Press, 328-358.
- 124) 2001 (with DIONNE, VANASSE) : « Evidence of Adverse Selection in Automobile Insurance Market », *Journal of Political Economy*, 109, 444-453.
- 125) 2001 (with DAROLLES) : « Truncated Dynamics and Estimation of Diffusion Equations », *Journal of Econometrics*, 102, 1, 1-22.
- 126) 2001 (with DAROLLES, FLORENS) : « Factor ARMA Representation of a Markov Process », *Economics Letters*, 71, 2, 165-171.
- 127) 2001 (with JASIAK) : « Memory and Infrequent Breaks », *Economics Letters*, 70, 1, 29-41.
- 128) 2001 (with JASIAK) : « State Space Models with Finite Dimensional Dependence », *Journal of Time Series Analysis*, 23, 6, 665-678.
- 129) 2001 (with JASIAK) : « Dynamic Factor Models », *Econometric Reviews*, 20, 385-424.
- 130) 2001 (with TENREIRO) : Local Power Properties of Kernel Based Goodness of Fit Test, *Journal of Multivariate Analysis*, 78, 161-190.
- 131) 2002 (with CHESNAIS et alii) : “Daniele Leborgne : Essay on a life’s work”, *Geographie, Economie et Société*, 4, 465-487.
- 132) 2002 (with DAVID, DUBUJET, LAFERRERE) : “Les Indices de prix des logements anciens”, *INSEE Methodes*, 98.
- 133) 2002 (with JASIAK) : « Nonlinear Autocorrelograms : An Application to Intertrade

- Durations », *Journal of Time Series Analysis*, 23, 127-154.
- 134) 2004 (with BERTRAND) : “Statistique de l’assurance”, numéro special, éditeurs, Journal de la Société Statistique de France.
- 135) 2004 (with DAROLLES, FLORENS) : Time Reversibility and Kernel Based Nonlinear Canonical Analysis », *Journal of Econometrics*, 119, 323-353.
- 136) 2004 (with FOULCHER, TIOMO) : « Term Structure of Default and Ratings », *Insurance and Risk Management*, 72, 207-276.
- 137) 2004 (with GHYSELS, JASIAK) : « Stochastic Volatility Duration Models », *Journal of Econometrics*, 119, 413-433.
- 138) 2004 (with MONFORT) : « Infrequent Extreme Risks », *Geneva Papers on the Risk and Insurance Theory*, 29, 5-12.
- 139) 2004 « Econométrie de la Finance », *Actualités Economiques*.
- 140) 2004 (with JASIAK) : « INAR(1) Model with Application to Car Insurance », *Insurance : Mathematics and Economics*, 34, 177-192.
- 141) 2005 (with AKONOM) : A Functional Limit Theorem For Fractional Processes, forthcoming in *Econometric Theory*.
- 142) 2005 (with GAGLIARDINI) : “Migration Correlation : Definition and Consistent Estimation”, *Journal of Banking and Finance*, 29, 865-891.
- 144) 2005 (with GAGLIARDINI) : “Stochastic Migration Models with Application to Corporate Risk”, *Journal of Financial Econometrics*, 3, 188-226.
- 145) 2005 (with JASIAK) : “Value-at-Risk”, forthcoming *Handbook of Financial Econometrics*, ed. Ait-Sahalia, Hansen.
- 146) 2005 (with MONFORT) : « The Econometrics of Efficient Portfolios », *Journal of Empirical Finance*, 12, 1-41.
- 147) 2005 (with JASIAK) : « Nonlinear Impulse Response Function », *Annales d’Economie et de Statistique*, 78, 1-33.
- 148) 2005 (with JASIAK) : “Multivariate Smooth Transitions Jacobi Process with Application ”, *Journal of Econometrics*, 131, 475-505.
- 149) 2006 (with ROBERT) : “Stochastic Unit Root Models”, *Econometric Theory*, 22, 6.
- 150) 2006 (with SUFANA) : “A Classification of Two Factor Affine Term Structure Models”, *Journal of Financial Econometrics*, 4, 31-52.
- 151) 2006 “Wishart Processes for Stochastic Risk”, *Econometric Reviews*, special issue on Stochastic Volatility, 25, 1-41.
- 152) 2006 (with DAROLLES, JASIAK) : “Structural Laplace Transform and Compound Autoregressive Models”, *Journal of Time Series Analysis*, 27, 477-504.
- 153) 2006 (with JASIAK) : “Autoregressive Gamma Process”, *Journal of Forecasting*, 25, 129-152.
- 154) 2006 (with MONFORT, POLIMENIS) : “Affine Models for Credit Risk Analysis”, *Journal of Financial Econometrics*, 4, 494-530.
- 155) 2006 (with DIONNE, VANASSE) : “Informational Content of Household Decisions with Applications to Insurance and Asymmetric Information”, in *Competitive Failures in Insurance Markets*, ed. Chiappori, P.A., and Gollier, G., MIT Press, 159-184.
- 157) 2006 (with JASIAK) : “Multivariate Jacobi Process with Application to Smooth Transitions, *Journal of Econometrics*, 131, 475-507.
- 158) 2006 (with MONFORT) : « Pricing with Splines », *Annales d’Economie et de Statistique*, 82, 3-33.
- 159) 2007 (with FOULCHER, TIOMO) : “Migration Corrélation : Estimation Methods and Application to French Corporate Ratings », *Annales d’Economie et de*

- Statistique, 82, 71-102.
- 160) 2007 (with GAGLIARDINI) : “Efficient Nonparametric Estimator of Models with Nonlinear Dependence”, *Journal of Econometrics*, 137, 183-199.
- 161) 2007 (with MONFORT) : “Econometric Specification of Stochastic Discount Factor Models”, *Journal of Econometrics*, 136, 509-530.
- 162) 2007 (with RENAULT, VALERY) : “Diffusion Processes with Polynomial Eigenfunctions”, *Annales d’Economie et Statistique*, 85, 115-130.
- 163) 2008 (with SUFANA) : “Pricing with Wishart Risk Factors”, in *Handbook of Operational Research and Management Science*, Eds... J. Birge and V., Linetsky, North-Holland 15, 163-182..
- 164) 2008 (with GAGLIARDINI) : “Duration Time Series Model with Proportional Hazard”, *Journal of Time Series Analysis*, 29, 74-124.
- 165) 2008 (with FENG, JASIAK) : “The Ordered Qualitative Model for Credit Rating Transitions”, *Journal of Empirical Finance*, 15, 111-130.
- 166) 2008 (with JASIAK) : “Dynamic Quantile Models”, *Journal of Econometrics*, 147, 198-205.
- 167) 2008 (with MONFORT) : “Quadratic Stochastic Intensity and Prospective Mortality Tables”, *Insurance : Mathematics and Economics*, 43, 174-184.
- 168) 2008 (with JASIAK, SUFANA) : « The Wishart Autoregressive Process for Stochastic Volatility », *Journal of Econometrics*, 150, 167-188.
- 169) 2009 (with LIU) : « Control and Out of Sample Validation of Dependent Risks », *Journal of Risk and Insurance*, 76, 683-707.
- 170) 2009 (with DAROLLES, JASIAK) : “L-Performance with an Application to Hedge Funds”, *Journal of Empirical Finance*, 16, 671-685.
- 171) 2009 « Régulation et Innovation Financière », *Risques*, June.
- 172) 2009 (with LAFERRERE) : « Managing Hedonic Housing Price Indexes : The French Experience », *Journal of Housing Economics*, 18, 206-213.
- 173) 2009 “Car and Affine Processes”, in *Econometric Forecasting and High Frequency, Data Analysis IMS Lecture Notes Series*,
- 174) 2009 (with MONFORT) : “Granularity in a Qualitative Factor Model”, *Journal of Credit Risk*, 5,
- 175) 2009 (with DAROLLES) : “Conditionally Fitted Performance with an Application to Hedge Fund Rating”, *Journal of Banking and Finance*, 16, 671-685.
- 176) 2010 (with JASIAK) : “Value-at-Risk”, in *Handbook of Financial Econometrics*, ed. Ait-Sahalia, Y., and L., Hansen, Vol 1, 553-616., North-Holland.
- 177) 2010 (with PHILLIPS, YU) : “Indirect Inference for Dynamic Panel Models”, *Journal of Econometrics*, 157, 68-77.
- 178) 2010 “Risk Measures : Statistical Estimation”, *Encyclopedia of Quantitative Finance*, Ed. R. Cont, Wiley
- 179) 2010 (with MONFORT, SUFANA) : « International Money and Stock Market Contingent Claims », *Journal of International Money and Finance*, 29, 1727-1751.
- 180) 2010 (with SUFANA) : « Derivative Pricing with Multivariate Stochastic Volatility : Application to Credit Risk », *Journal of Business and Economic Statistics*, 28, 438-451.
- 181) 2010 (with JASIAK) : “Local Likelihood Density Estimation and Value-at-Risk”, *Journal of Probability and Statistics*, 754-851.
- 182) 2011 (with MONFORT) : Bilinear Term Structure, *Mathematical Finance*, 21, 1-19.

- 183) 2011 (with MONFORT) : “Domain Restrictions on Interest Rates Implied by No Arbitrage”, *Mathematical Finance*, 22, 281-291.
- 184) 2011 (with GAGLIARDINI) : “Approximate Derivative Pricing for Large Class of Homogenous Assets with Systematic Risk”, *Journal of Financial Econometrics*, 9, 237-280.
- 185) 2011 (with GAGLIARDINI, RENAULT) : “Extended Method of Moments with Application to Derivative Pricing”, *Econometrica*, 79, 1181-1232.
- 186) 2011 (with SUFANA) : « Discrete Time Wishart Quadratic Term Structure Models », *Journal of Economic Dynamics and Control*, 35, 815-824.
- 187) 2012 (with GAGLIARDINI, MONFORT) : “Microinformation, Nonlinear Filtering and Granularity”, *Journal of Financial Econometrics*, 10, 1-53.
- 188) 2012 (with LIU) : “Converting Tail-VaR to VaR : An Econometric Study”, *Journal of Financial Econometrics*, 10, 233-264.
- 189) 2012 (with JASIAK) : “Granularity Adjustment for Default Risk Factor Model with Cohorts”, *Journal of Banking and Finance*, 36, 1464-1477.
- 190) 2012 (with MONFORT) : « ET Interview », by E. Ghysels and E. Renault”, *Econometric Theory*, 28, 915-924.
- 191) 2012 (with HEAM, MONFORT) : “Bilateral Exposures and Systemic Solvency Risk”, *Canadian Journal of Economics*, 45, 1273-1309.
- 192) 2013 (with JASIAK) : “Size Distorsion in the Analysis of Volatility and Covolatility Effects”, in *Advances in Intelligent Systems and Computing*, 200, “Uncertainty Analysis in Econometrics with Applications”, ed. Hugn, V., Kreinovich, V Sriboonchita, S., and Suriga, K; Springer Verlag p91-118.
- 193) 2013 (with MONFORT) : “Linear Price Term Structure Models”, *Journal of Empirical Finance*, 24, 24-41.
- 194) 2013 (with MONFORT) : “Allocating Systematic and Unsystematic Risks in a Regulatory Perspective”, *International Journal of Applied and Theoretical Finance*, 16, 1-20.
- 195) 2013 (with GAGLIARDINI) : “Correlated Risks vs Contagion in Stochastic Transition Models”, *Journal of Economic Dynamics and Control*, 37, 2241-2269.
- 196) 2013 (with MONFORT) : “Granularity Adjustment for Efficient Portfolios”, *Econometric Reviews*, 32, 449-465.
- 197) 2013 (with GAGLIARDINI) : “Granularity Adjustment for Dynamic Multiple Factor Models : Systematic vs Unsystematic Risks”, *International Journal of Approximate Reasoning.*, 54, 717-747.
- 198) 2013 (with MONFORT) : “Pitfalls in the Estimation of Continuous Time Interest Rate Models : the Case of the CIR Process”, *Annales d’Economie et Statistique*, 109/110, 25-62.
- 199) 2013 (with ZAKOIAN) : “Estimation Adjusted VaR”, *Econometric Theory*, 29, 735-770.
- 200) 2013 (with HEAM, MONFORT) : Liquidation Equilibrium with Seniority and Hidden CDO”, *Journal of Banking and Finance*, 37, 5261-5274.
- 201) 2014 (with DAROLLES) : “The Effects of Management and Provision Accounts on Hedge Fund Returns. Part 1 : High Water Mark Allocation Scheme. Part 2 : Loss Carry Forward Scheme”, in *Advances in Intelligent Systems and Computing*, 251, V. Huyen et al. eds, Springer, 23-46 and 47-62.
- 202) 2014 (with MONFORT, PEGORARO, RENNE) : “Regime Switching and Bond Pricing”, *Journal of Financial Econometrics*, 12, 237-277.

- 203) 2014 (with MONFORT, RENNE) : “Pricing Default Events : Surprise, Exogeneity Reasoning and Contagion”, *Journal of Econometrics*, 182, 397-411.
- 204) 2014 (with GAGLIARDINI) : “Efficiency in Large Dynamic Panel Models with Common Factor”, *Econometric Theory*, 30, 961-1020.
- 205) 2014 (with AURAY) : “Financial Regulations and Procyclicalities”, *Bank, Market and Investors*, 138, 45-54.
- 206) 2015 (with AURAY) : “Financial Regulations and Procyclicalities”, *Bank, Market and Investors*, 138, 45-54.
- 207) 2015 (with A., HENCIC) : “Noncausal Autoregressive Model in Application to Bitcoin/USD Exchange Rates”, in *Econometrics of Risk*, ed. Huynh, Kreinovich, Songsak, Heidelberg, 17-40.
- 208) 2015 (with DAROLLES, TEILETCHE) : “The Dynamics of Hedge Funds Performance”, In *Econometrics of Risk*, ed. Huynh, Kreinovich, Songsak, Heidelberg, 85-113.
- 209) 2015 (with DAROLLES) : “Performance Fees and Hedge Fund Return Dynamics”, forthcoming *International Journal of Approximate Reasoning*.
- 210) 2015 (with MONFORT) : “Pricing with Finite Dimensional Dependence”, *Journal of Econometrics*, 197, 408-417.
- 211) 2015 (with JASIAK, XU) : “The Tradability Premium on the S&P 500 Index”, *Journal of Financial Econometrics*, 1-35.
- 212) 2015 (with JASIAK) : “Filtering and Prediction of Noncausal Processes”, *Journal of Time Series Analysis* early view available on line.
- 213) 2015 (with LU) : “Love & Death : A Freund Model with Frailty,” *Insurance : Mathematics and Economics*, 63, 191-203.
- 214) 2015 (with ZAKOIAN) : “On Uniqueness of Moving Average Representation of Heavy Tailed Stationary Processes”, *Journal of Time Series Analysis*, 36, 876-887.
- 215) 2016 (with MONFORT) : “The Double Default Value of the Firm Model”, *Journal of Credit Risk*, 12,47-76.
- 216) 2016 (with NGUYEN, SRIBOONCHITTA) : “Nonparametric Estimation of a Scalar Diffusion Model from Discrete Time Data : A Survey”, *Annals of Operations Research*, July.
- 217) 2016 (with MONFORT, RENNE) : “Statistical Inference for Independent Component Analysis”, *Journal of Econometrics*, 196, 111-126.
- 218) 2016 (with GAGLIARDINI) : “Spread Term Structure and Default Correlation”, *Annals of Economics and Statistics*, 123, 175-224.
- 219) 2017 (with ZAKOIAN) : “Local Explosion Modelling by Noncausal Cauchy Autoregressive Process”, *Journal of the Royal Statistical Society*, 79, 737-756.
- 220) 2017 (with GAGLIARDINI) : “Double Instrumental Variable for Interaction Models with Big Data”, *Journal of Econometrics*, 201, 176-197.
- 221) 2017 (with JASIAK) : “Noncausal Vector Autoregressive Process: Representation, Identification and Semi-Parametric Estimation”, *Journal of Econometrics*, 200, 118-134.
- 222) 2017 (with ALLARD, BRONSARD) : “Aversion to Impatience, Uncertainty and Illiquidity”, *Annals of Economics and Statistics*, 125-126, 9-39.
- 223) 2017 (with MONFORT, RENAULT) : “Consistent Pseudo-Maximum Likelihood Estimators”, *Annals of Economics and Statistics*, 200, 187-218.
- 224) 2018 (with MONFORT) : “Composite Indirect Inference with Application to Corporate Risks”, *Econometrics and Statistics*, 7, 30-45.

- 225) 2018 (with JASIAK) : “Misspecification of Causal and Noncausal Orders in Autoregressive Processes”, *Journal of Econometrics*, 205, 226-248.
- 226) 2019 (with GAGLIARDINI) : “Identification by Laplace Transforms in Panel on Time Series Models with Unobserved Stochastic Dynamic Effects”, *Journal of Econometrics*, 208, 613-637.
- 227) 2019 (with JASIAK) : “Robust Tests of the Martingale Hypothesis”, *Econometrics and Statistics*, 9, 17-41.
- 228) 2019 (with MONFORT-ZAKOIAN) : “Pseudo Maximum Likelihood and Groups of Transformations”, *Econometrica*, 87, 327-345.
- 229) 2019 (with LU) : “Negative Binomial Autoregressive Process with Stochastic Intensity”, *Journal of Time Series Analysis*, 40, 225-247.
- 230) 2019 (with LU): “Least Impulse Response Estimator for Stress Test Exercises”, *Journal of Banking and Finance*, 103, 62-77.
- 231) 2019 (with FLORENS, MONFORT) : “Model Risk Management : Limits and Future of Bayesian Approaches”, *Annals of Economics and Statistics*, 136, 1-26.
- 232) 2020 (with JASIAK, MONFORT) : “Stationary Bubble Equilibria in Rational Expectations Models”, *Journal of Econometrics*, 218, 714-735.
- 233) 2020 (with MONFORT-RENNE): “Identification and Estimation in Non-Fundamental Structural VARMA Models”, *Review of Economic Studies*, 87, 1915-1953.
- 234) 2020 (with BOLOORFOROOSH, CHRISTOFFERSEN, FOURNIER) : “Beta Risk in the Cross-Section of Stocks and Options”, *Review of Financial Studies*, 33, 4318-4366.

ACCEPTED PAPERS

- 235) 2020 (with GAGLIARDINI, RUBIN) : “Positional Portfolio Management”, forthcoming, *Journal of Financial Econometrics*.
- 236) 2020 (with JASIAK) : “Time Varying Markov Process with Partially Observed Aggregate Data : An Application to Coronavirus”, forthcoming, *Journal of Econometrics*.
- 237) 2020 (with JASIAK) : “Analysis of Virus Transmission : A Transition Model Representation of Stochastic Epidemiological Models”, *Annals of Economics and Statistics*, forthcoming.
- 238) 2020 (with DJOGBENOU, JASIAK) : “Testing for Endogeneity of Covid-19 Patient Assignments”, *Journal of Financial Econometrics*, forthcoming.
- 239) 2020 (with JASIAK, HENCIC) : “Forecast Performance and Bubble Analysis in Noncausal MAR(1,1) Processes”, *Journal of Forecasting*, forthcoming.
- 240) 2020 (with MONFORT) : “Model Risk Management : Valuation and Governance of Pseudo-Models”, *Econometrics and Statistics*, forthcoming.

SUBMITTED PAPERS, PAPERS UNDER REVISION

- 241) 2012 (with DAROLLES, GAGLIARDINI) : “Survival of Hedge Funds : Frailty vs Contagion”, Submitted Review of *Financial Studies*.
- 242) 2016 (with CALVET, CZELLAR): “Structural Dynamic Analysis of Systematic Risk”, submitted *Journal of Finance*.
- 243) 2018 (with JASIAK): “A Stochastic Tree with Application to Bubble Modelling and

- Pricing”, submitted International Journal of Theoretical and Applied Finance.
- 244) 2019 (with LU) : “Noncausal Affine Processes with Applications to Derivating Pricing”, submitted Journal of Financial and Quantitative Analysis.
- 245) 2019 (with MONFORT, RENNE) : “Disastrous Default”, R&R, Review of Finance.
- 246) 2019 (with TIOMO) : “The Evaluation of Model Risk for Probability of Default and Expected Loss”, R&R, Journal of Banking and Finance.
- 247) 2020 (with DJOGBENOU, JASIAK, BANDEHALI): “Composite Likelihood for Stochastic Migration Model with Unobserved Factor”, submitted, Journal of Financial Econometrics.
- 248) 2020 (with DJOGBENOU, JASIAK, RILSTONE) : “Transition Model for Coronavirus Management”, R&R, Canadian Journal of Economics.
- 249) 2020 (With LU) : “Noncausal Counting Process”, R&R, Electronic Journal of Statistics.

WORKING PAPERS

- 250) 2011 (with DUBECQ) : “A Term Structure Model with Level Factor Cannot be Realistic and Arbitrage Free”, CREST-DP.
- 251) 2012 (with DUBECQ) : “Shocks on Variables or on Distributions, with Application to Stress Tests”, CREST-DP.
- 252) 2014 (with GAGLIARDINI) : “Estimation and Simulation of Wishart Stochastic Volatility Model”
- 253) 2014 (with HEAM) : “Funding Liquidity Risk in a Regulatory Perspective”, submitted Journal of Banking and Finance.
- 254) 2016 (with LU) : “A Flexible State Space Model with Applications to Stochastic Volatility”, CREST DP.
- 255) 2016 (with MONFORT) : “Pairwise Analysis of High Dimensional Stochastic Volatility with Market Benchmark”, CREST-DP.
- 256) 2016 (with BAH, TIOMO) : “Asymptotic Risk Factor Model with Volatility Factors”, CREST DP.
- 257) 2018 (with MONFORT, ZAKOIAN): “Group Transformation Models : A New Interpretation of Intercept in Semi-Parametric Econometrics”.
- 258) 2018 (with JASIAK) : “Dynamic Deconvolution of Independent AR(1) Sources”.
- 259) 2019 (with JASIAK) : “Inference for Noisy Long Run Component Process”.
- 260) 2020 (with LU) : “SIR Model with Stochastic Transmission”