

E L Y È S J O U I N I
Director of the Institut universitaire de France
House of Finance, Université Paris Dauphine-PSL
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RECENT SERVICES (SELECTION)

Director of the Institut universitaire de France, 2023-2028,
Distinguished Professor (professeur de classe exceptionnelle) with
Endowed UNESCO Chair, Université Paris-Dauphine,
Member of the International Consultative Group of Experts for
Closing the Gender Gap in Science, UNESCO, since 2024,
Vice-Chairman of the Board, Université Paris-Dauphine, 2017-
2019,
Member of the Research, Innovation and Science Policy Experts
High Level Advisory Group to the European Commissioner for
Research, Science and Innovation, 2016-2019,
Member of the Tunisian Transition Government (as Minister for
the Economic and Social Reforms), January 27, 2011-March
1st, 2011,
G8 Sherpa for the Tunisian Prime Minister (preparation of the
participation of Tunisia in the G7 Deauville meeting), March-
June, 2011,
Chairman of the House of Finance, Université Paris-Dauphine,
since 2004,
Head of the Master program in asset management, 2004-2024,
President (non exécutive) of the Board of AMI Assurances, 2015-
2017,
Member of the Board, of the Executive Committee and of the
Scientific Executive Board of Institut Louis Bachelier, since
2009,
Member of the Board, Institut Tunis-Dauphine, since 2009,
Vice-Président for Research, Université Paris-Dauphine, 2004-
2016,
President of the Fondation Paris-Dauphine, 2011-2015,
Risk Foundation Chair Holder (endowed by Groupama), 2006-
2017,
Member of the Economic Analysis Council (attached to the French

Prime Minister), 2008-2010,
Member of the High-Council for Science and Technology
(attached to the French President), 2006-2009,
Member of the Steering Committee of the Finance Innovation
global business and research cluster (Pôle de compétitivité
mondial Finance Innovation), since 2007,
Member of the National Commission for long-term nuclear
projects and wastes valuation (attached to the French
Government), since 2008.

UNIVERSITY EDUCATION

Université de Paris 1 Panthéon-Sorbonne, Habilitation à diriger
des recherches (Mathematical economics) (1992), jury : Michel
Balinski, Jean-Marc Bonnisseau, Bernard Cornet, Ivar Ekeland
(president), Georges Haddad, Jean-Michel Lasry and Jose
Scheinkman
Université de Paris 1 Panthéon-Sorbonne, PhD (Mathematical
economics) (1989, highest distinction, best PhD thesis award),
jury : Yves Balasko (president), Bernard Cornet (supervisor),
Georges Haddad, Claude Henry and Jean-Michel Lasry,
Agrégation de mathématiques (1987, ranked 1st)
Université de Paris-Dauphine, Master (DEA) in Mathematical
economics (1986, highest distinction),
Université de Paris 7, Bachelor (Licence and Maîtrise) in Pure
mathematics, (1985, highest distinction)
Ecole normale supérieure (rue d'Ulm, Paris) (1984-1988)
Ecole Sainte-Geneviève (Versailles), Classes préparatoires
(preparation for the competitive examinations of the French
"Grandes Ecoles") (1982-1984)

AWARDS AND HONORS

2024 Maréchal Louis-Hubert Lyautey Prize, awarded by the
Académie des Sciences d'Outre-Mer, for the book *Mohamed-
Salah Mzali, l'intellectuel et l'homme d'État*.
2023 Elected Economic Theory Fellow (Society for the
Advancement of Economic Theory, SAET),
2018 Dauphine Foundation Chair "Women & Science »,

(1 050 000 €)

2017 Elected Fellow of the Econometric Society

2012 IZA (Institute of Labor Economics, Bonn) Fellow

2010 Chevalier de la Légion d'Honneur

2010 Agence Nationale de la Recherche Grant (220 000 €)

2010 Member of the national jury of *agrégation* (higher education contest for the recruitment of full professors in economics on civil servant positions)

2009 Gold medal, Academic Association Arts-Sciences-Lettres,

2009 Finance and Sustainability European Research Award (best published article)

2008 Best Paper Award in Finance, Europlace Institute of Finance,

2007 Agence Nationale de la Recherche Grant (280 000 €)

2007-2017 Risk Foundation Chair in Household Finance (endowed by Groupama : 300 000 €/year)

Fellow, Institute of Actuaries (France, since 2007)

2005 Best young French economist Prize

2003-2008 Fellow, Institut universitaire de France

2001 CNRS Grant (ACI Young Researcher)

1998 INQUIRE-Europe grant

1996-2000, Fellow, Center for Economic Policy Research

1996 Fellow, Institute of Actuaries (Tunisia)

1995 Commander in the Order of Merit (Tunisia)

1990 Nathalie Demassieux Prize (best PhD thesis, Chancellerie des Universités de Paris)

1989 Ecole Polytechnique Grant

1987-1988 Ecole Nationale de la Statistique et de l'Administration Economique Scholarship

1987-1989 Tunisian Government Scholarship for outstanding achievement

1987 Ranked 1st at the “Agrégation de mathématiques” (national competitive exam in mathematics)

1984-1987 French Government Scholarship

1984 Admitted at the Ecole normale supérieure (Paris, rue d’Ulm) and ranked 1st at the Ecoles normales supérieures of Fontenay and Saint-Cloud,

1982-1984 Tunisian Government Scholarship for outstanding students,

1975-1982 Merit scholarship, Lycée Pierre Mendès-France, Tunis,

ACADEMIC CAREER

2000-present Université Paris-Dauphine

Current-position : Distinguished Professor (professeur de classe exceptionnelle), Risk Foundation Chair (endowed by Groupama)

Responsibilities: vice-president for research (until January 2011), chairman of the House of Finance, head of the Master program in asset management, member of the recruitment committee

Full professor (professeur de première classe) : September, 2000 – August, 2007

Responsibilities : head of the Master program in mathematical economics and mathematical finance, member of the University’s scientific Council

1992 – 2000 Université de Paris 1 Panthéon-Sorbonne & Ecole nationale de la statistique et de l’administration économique (French national school of economics and statistics)

Associate Professor (professeur de deuxième classe) : September, 1992 – August 2000

Responsibilities : co-chairman of the finance and insurance laboratory (CREST-LFA), head of the finance and actuarial sciences Master program

On-Leave : Visiting associate professor of Finance, Stern School of Business (New-York University) January, 1998 – June 2000

Lecturing : foundations of investments, financial economics

1989 – 1992 Université de Paris 1 Panthéon-Sorbonne
Assistant Professor (maître de conférences) : September, 1989 – August 1992

Responsibilities : co-chairman of the finance and insurance laboratory (CREST-LFA), head of the finance and actuarial sciences Master program

On-Leave : Visiting associate professor of Finance, Stern School of Business (New-York University) January, 1998 – June 2000

1988 – 1989 Université de Paris 1 Panthéon-Sorbonne & Ecole nationale de la statistique et de l'administration économique (French national school of economics and statistics)

Teaching assistant : September, 1988 – August 1989

1987 – 1997 Ecole Polytechnique

Researcher : Member of the Laboratoire d'Econométrie

1985 – 1988 Ecole Sainte-Geneviève

Teacher : September, 1985 – August, 1986

Responsibilities : in charge of the whole math program for a class of students preparing the competitive exam for admission at HEC

Teaching assistant : September, 1986 – August, 1988

PROFESSIONAL SERVICE

Rapporteur of the Working Group on *Diversity in Boards of Directors* under the présidence of Lionel Zinsou, Institut Français des Administrateurs (IFA),

Member of the nominating committee of the SCOR/EGRIE (*European Group of Risk and Insurance Economists*) Award for the best paper presented by a young economist (since 2008),

Member of the national jury of *agrégation* (higher education contest for the recruitment of full professors in economics on civil servant positions), 2010,

President of the Jury for the Asset Management Grand Prix (awarded by Eurofonds and *Le Monde*), 2007, 2008, 2009.

Scientific Coordinator of the Fulbright-Tocqueville Chair in Finance to host Philip Protter (endowed by the French Government and the Fulbright Foundation), 2007-2008.

Member of the Scientific Committee of the Banque de France Foundation, since 2006.

Member of the Advanced Mathematical Methods for Finance Network (a scientific program of the European Science Foundation), since 2004.

Member of the Scientific Committee of the Association Française de la Gestion Financière, since 2004.

Member of the Board of the Risk Foundation, since 2006.

Jury member for the Asset Management Innovation Award (awarded by *La Tribune*)

Scientific advisor of the Europlace Institute of Finance (Research Foundation), since 2003.

Member of the Scientific Committee of the Institute of Actuaries, France, 2004-2007.

Member of the Scientific Committee of the International Center for Pure and Applied mathematics (CIMPA), 2001-2004.

Member of the organizing committee of the UNESCO Chair “Mathematics and development”, 2004-2005.

Scientific Coordinator of the Blaise Pascal Chair in Economics and Finance to host José Scheinkman (endowed by the French Government and the Région Ile de France), 2001-2002.

Member of the Board of the Bachelier Finance Society, 1998-2002.

Member of the Board of the French Finance Association (AFFI), 1998-2002.

Jury member for the Best Paper Award in *Finance* (academic journal of the French Finance Association), 2010

Member of the Scientific Committee of the Cité des Sciences de Tunis, 1993-1997.

Member of the National Commission for Universities Renovation (Commission Nationale de Rénovation Universitaire) attached to the Tunisian Minister of Higher Education, 1990-1995.

OUTSIDE COMPENSATED ACTIVITIES

Assessment of the Center for Mediterranean Integration (CMI, World Bank, Marseille),

Member of the Board, SNMVT (listed distribution company, Tunisia), since 2016,

Member of the Board, Oddo Tunisie, since 2015,

Member of the Board, Banque de Tunisie (listed company, Tunisia), 2006-2008 and 2011-2023,

Member of the Board, COMAR (listed insurance company, Tunisia), 2008-2011 and 2011-2014,

Member of the Board, Altran-Telnet Technologies, 2008-2011,

Member of the Board, SMG (listed distribution company), 2007-2011,

Member of the Investment Committee of Elaia Partners, 2006-2007,

Various consulting missions on assets valuation and management (CIC-Crédit Mutuel, CCF-HSBC, CDC, CNP, EDF, Crédit Lyonnais),

Various studies for the private sector : new insurance products, credit- scoring, customer value, training in the insurance sector, etc.,

Various studies for the public sector : training in the insurance sector (European Commission), reform of the automobile insurance sector (in partnership with Watson Wyatt, Finance Ministry), reform of the health insurance sector (Ministry of Social Affairs), reform of the insurance sector (Finance Ministry and African Development Bank), reform of the retirement system (APB-UTICA-AIB).

RESEARCH INTERESTS

Financial economics, Decision under risk and uncertainty, Women and science, Market imperfections, Asset pricing, Behavioral economics, Behavioral finance, Mathematical finance, Mathematical economics, General equilibrium theory

BOOKS AND BOOK CHAPTERS

1. Jouini, E., 2025. *La Tunisie du makhzen à l'État national*, Institut de recherche sur le maghreb contemporain, Elyès Jouini (Ed.), OpenEditions, 348p.
2. Jouini, E., 2025. M.-S. Mzali, à la confluence des familles Mzali, Noura et Sakka, Itinéraire d'un intellectuel du makhzen *in La Tunisie du makhzen à l'État national*, OpenEditions, pp 53-72.
3. Jouini, E., 2025. À propos d'un travail inédit de Mohamed-Salah Mzali, Sur les traces de ksar al-Sayyida à Monastir, *in La Tunisie*

du makhzen à l'État national, OpenEditions, pp 303-321.

4. Jouini, E., 2023. Bourguiba et le makhzen, in *Actes du colloque Bourguiba le Fondateur*, Beït al-Hikma (Ed.), to appear,
5. Jouini, E. and M.-S. Mzali, 2023. *Au fil de ma vie suivi de Mohamed-Salah Mzali, l'intellectuel et l'homme d'État*. New edition, Elyès Jouini, (Ed.), Cérès Editions, Académie tunisienne des sciences, des lettres et des arts (beït al-hikma) and Institut de recherche sur le Maghreb contemporain, Tunis, 768 (awarded the Maréchal Louis-Hubert Lyautey Prize by the Académie des Sciences d'Outre-Mer).
6. Théorie de la Décision, in *Encyclopédie des Techniques de l'Ingénieur*, 2017,
7. Transaction Costs in Financial Models, (with B. Bouchard), in *Encyclopedia of Quantitative Finance*, Rama Cont (Ed), Wiley, 2010.
8. *Paris-Princeton Lectures on Mathematical Finance*, Series: Lecture Notes in Mathematics, Springer-Verlag, J. Scheinkman, R. Carmona, E. Cinlar, I. Ekeland, E. Jouini and N. Touzi (Eds), 2010.
9. *Paris-Princeton Lectures on Mathematical Finance*, Series: Lecture Notes in Mathematics, Springer-Verlag, J. Scheinkman, R. Carmona, E. Cinlar, I. Ekeland, E. Jouini and N. Touzi (Eds), 2004.
10. *Paris-Princeton Lectures on Mathematical Finance*, Series: Lecture Notes in Mathematics, Springer-Verlag, J. Scheinkman, R. Carmona, E. Cinlar, I. Ekeland, E. Jouini and N. Touzi (Eds), 2003.
11. *Paris-Princeton Lectures on Mathematical Finance*, Series: Lecture Notes in Mathematics, Springer-Verlag, J. Scheinkman, R. Carmona, E. Cinlar, I. Ekeland, E. Jouini and N. Touzi (Eds), 2002.
12. Arbitrage and equilibrium pricing : compatibility conditions, (with C. Napp) in *Quantitative analysis in financial markets, Collected Papers of the New York University Mathematical Finance Seminar*, (Volume III), 131-159, 2002.
13. *Handbooks in Mathematical Finance: Option Pricing, Interest*

Rates and Risk Management, Cambridge University Press, E. Jouini, J. Cvitanic and M. Musiela (Eds), 2001.

14. Characterizing the premium at the equilibrium of a reinsurance market with short sale constraints (with G. Bernis) in *Approximation, Optimization and Mathematical Economics*, M. Lassonde (Ed.), Physica-Verlag, 47-59, 2001.
15. Market models with frictions : arbitrage and pricing issues (with C. Napp) in *Handbooks in Mathematical Finance, Option Pricing, Interest Rates and Risk Management*, Cambridge University Press, E. Jouini, J. Cvitanic and M. Musiela (Eds), 43-66, 2001.
16. Market imperfections, equilibrium and arbitrage, in *Lecture notes on Mathematical Finance*, W. Runggaldier (Ed), Springer Verlag, 247-307, 1997.
17. Arbitrage et imperfections de marché, in *Encyclopédie des Marchés Financiers*, Y. Simon (Ed), Economica., 112-126, 1997

ACADEMIC JOURNALS PUBLICATIONS

1. Escompte, temps long et multiples figures du moi. *Économie de l'environnement : le rôle de la littérature*, *Oeuvres et Critiques*, 2024, XLIX (1), 15-30.
2. High-achieving girls in math are those that shy away the most from math-related studies, with T. Breda and C. Napp, to appear, *Nature Communications*, 2023, 14, 3664.
3. Belief dispersion and convex costs of adjustment in the stock market and in the real economy, *Management Science*, 2023, 69, 7, 4190-4209.
4. Equilibrium CEO Contract with Belief Heterogeneity, with M. Bianchi and R.-A. Dana, to appear, *Economic Theory*, 2022, 74, 505-546.
5. Shareholder heterogeneity, asymmetric information, and the equilibrium manager, with M. Bianchi and R.-A. Dana, *Economic Theory*, 73, 1101–1134, 2022.
6. Live fast, die young: equilibrium and survival in large economies, with A. Beddock, *Economic Theory*, 71 (3), 961-996, 2021.

7. Gender stereotypes can explain the gender-equality paradox, with T. Brena, C. Napp and G. Thebault, *Proceedings of the National Academy of Sciences (PNAS)*, 117 (49) 31063-31069, 2020.
8. Equilibrium pricing and market completion: A Counterexample, *Economics Bulletin*, 40(3), 1963-1969, 2020.
9. Tarifer un risque dont l'intensité est diversement perçue, *Revue d'Economie Financière*, 2019, 133.
10. Societal inequalities amplify gender gaps in math, avec T. Breda, et C. Napp, *SCIENCE*, 16 Mar 2018, 359, 6381, 1219-1220.
e-letter : <http://science.sciencemag.org/content/359/6381/1219/table-letters>.
11. Stereotypes, Underconfidence and Decision-Making with an Application to Gender and Math, avec P. Karehnke et C. Napp, *Journal of Economic Behavior and Organization*. 2018, 148, 34-45.
12. The impact of Health-related emotions on beliefs formation and behavior, *Theory and Decision*, 2018, 84, 405–427
13. Live fast, Die young, with C. Napp, *Economic Theory*, 2016, 265-278.
14. Optimal expectations and limited medical testing: Comment, with C. Napp, *Economics Letters*, 135, 39-41, 2015.
15. Gurus and Beliefs Manipulation, with C. Napp, *Economic Modelling*, 49, 11–18, 2015.
16. Foreword to the Special Issue Devoted to Professor Ivar Ekeland's 70th Birthday. *Mathematics and Financial Economics*, 8, 321-325, 2014.
17. On Portfolio Choice with Savoring and Disappointment. Forthcoming, with P. Karehnke and C. Napp, *Management Science*, 60, 796-804, 2014.
18. Economic Consequences of Nth-Degree Risk Increases and Nth-Degree Risk Attitudes, with C. Napp and D. Nocetti, *Journal of Risk and Uncertainty*, 47, 199-224, 2013.
19. How to aggregate experts' discount rates: an equilibrium approach, Forthcoming, with C. Napp, *Economic Modelling*, 36,

- 235-243, 2014.
20. Efficient portfolios in financial markets with proportional transaction costs, with L. Campi and V. Porte, *Mathematics and Financial Economics*, 7, 281-304, 2013.
 21. On Multivariate Prudence, with C. Napp, *Journal of Economic Theory*, 148, 1255-1267, 2013.
 22. The marginal propensity to consume and multidimensional risk, with C. Napp and D. Nocetti, *Economics Letters*, 119, 124-127, 2013.
 23. Evolutionary Beliefs and Financial Markets, with C. Napp and Y. Viossat, *Review of Finance*, 17(2), 727-766, 2013.
 24. Collective Risk Aversion, with C. Napp and D. Nocetti, *Social Choice and Welfare*, 40, 411-437, 2013.
 25. Financial Markets Equilibrium with Heterogeneous Agents, with J. Cvitanic, S. Malamud and C. Napp, *Review of Finance*, 16, 285-321, 2012.
 26. Behavioral biases and the representative agent, with C. Napp, *Theory and Decision*, 73, 97-123, 2012.
 27. Unbiased Disagreement in Financial Markets, Waves of Pessimism and the Risk-Return Trade-off, (with C. Napp), *Review of Finance*, 15, 575-601, 2011.
 28. Discounting and divergenceDiscounting and divergence of opinion, (with C. Napp and J.M. Marin), *Journal of Economic Theory*, 145, 830-859, 2010.
 29. Properties of the social discount rate in a Benthamite framework with heterogeneous degrees of impatience, (with D. Nocetti and C. Napp), *Management Science*, 54, 1822-1826, 2008.
 30. Are risk tolerant agents more pessimistic ? A Bayesian estimation approach, (with S. Ben Mansour, J.-M. Marin, C. Napp and C. Robert), *Journal of Applied Econometrics*, 23, 843-860, 2008.
 31. On Abel's Concepts of Pessimism and Doubt, (with C. Napp), *Journal of Economic Dynamics and Control*, 32, 3682-3694,

2008.

32. Production Planning and Inventories Optimization : A Backward Approach in the Convex Storage Cost Case, (with M. Chazal and R. Tahraoui), *Journal of Mathematical Economics*, 44, 997-1023, 2008.
33. Optimal risk sharing for law invariant monetary utility functions, (with W. Schachermayer and N. Touzi), *Mathematical Finance*, 18 (2), 269-292, 2008.
34. Equilibrium pricing bounds on option prices, (with M. Chazal), *Mathematics and Financial Economics*, 1, 251-281, 2008.
35. Are more risk-averse agents more optimistic? Insights from a simple rational expectations equilibrium model, (with C. Napp), *Economics Letters*, 101, 73-76, 2008.
36. Consensus consumer and intertemporal asset pricing with heterogeneous beliefs (with C. Napp), *Review of Economic Studies*, 1149-1174, 2007.
37. Arbitrage with fixed costs and interest rate models (with C. Napp), *Journal of Financial and Quantitative Analysis*, 41, 889–913, 2006.
38. Aggregation of heterogeneous beliefs (with C. Napp), *Journal of Mathematical Economics*, 42, 752-770, 2006.
39. Heterogeneous beliefs and asset pricing in discrete time: An analysis of pessimism and doubt, (with C. Napp), *Journal of Economic Dynamics and Control*, 30, 1233-1260, 2006.
40. Is There a Pessimistic Bias in Individual Beliefs? Evidence from a Simple Survey, (with S. Ben Mansour and C. Napp), *Theory and Decision*, 61, 345-362, 2006.
41. Law invariant risk measures have the Fatou property, *Advances in Mathematical Economics* (with W. Schachermayer and N. Touzi), 49-71, 2006.
42. Equilibrium Pricing in incomplete markets (with A. Bizid), *Journal of Financial and Quantitative Analysis*, 40, 2005.
43. Arbitrage and state price deflators in a general intertemporal

- framework, (with C. Napp and W. Schachermayer), *Journal of Mathematical Economics*, 41, 722-734, 2005.
44. Vector-valued coherent risk-measures, (with M. Meddeb and N. Touzi), *Finance and Stochastics*, 8, 531-552, 2004.
 45. Convergence of utility functions and convergence of optimal portfolios, (with C. Napp), *Finance and Stochastics*, 8, 133-144, 2004
 46. Conditional comonotonicity, (with C. Napp), *Decisions in Economics and Finance*, 27, 153-166, 2004.
 47. Hétérogénéité des croyances, prix du risque et volatilité des marchés, (with C. Napp), *Revue d'Economie Financière*, 74, 125-138, 2004.
 48. Convergence of the equilibrium prices in a family of financial models, *Finance and Stochastics*, 7, 491-507, 2003.
 49. Comonotonic Processes, (with C. Napp), *Insurance : Mathematics and Economics*, 32, 255–265, 2003.
 50. A class of models satisfying a dynamic version of the CAPM, (with C. Napp), *Economics Letters*, 79, 299–304, 2003.
 51. Production planning and inventories optimization with a general storage cost function, (with M. Chazal and R. Tahraoui), *Nonlinear Analysis, theory, methods and applications*, 1365-1395, 2003.
 52. Efficient trading strategies in the presence of market frictions (with H. Kallal), *Review of Financial Studies*, 14, 343-369, 2001.
 53. Arbitrage and control problems in finance. Introduction. *Journal of Mathematical Economics*, 35, 167-183, 2001.
 54. Arbitrage and equilibrium with fixed trading costs (with H. Kallal and C. Napp), *Journal of Mathematical Economics*, 35, 197-221, 2001.
 55. Arbitrage and investment opportunities (with C. Napp), *Finance and Stochastics*, 5, 305-325, 2001.
 56. Incomplete Markets and Short-Sales Constraints: An Equilibrium Approach (with A. Bizid), *International Journal of*

- Theoretical and Applied Finance*, 4, 211-244, 2001.
57. A discrete stochastic model for investment with an application to the transaction costs case, *Journal of Mathematical Economics*, 33, 57-80, 2000.
 58. Price functionals with bid-ask spreads : an axiomatic approach, *Journal of Mathematical Economics*, 34, 547-558, 2000.
 59. Optimal investment with taxes : existence and some properties of the solution (with P.-F. Koehl and N. Touzi), *Journal of Mathematical Economics*, 33, 373-388, 2000.
 60. Generalized Lipschitz-functions, *Nonlinear Analysis, theory, methods and applications*, 41, 371-382, 2000.
 61. Viability and equilibrium in securities markets with frictions (with H. Kallal), *Mathematical Finance*, 9(3), 275-292, 1999.
 62. Optimal investment with taxes : an optimal control problem with endogeneous delay, (with P.-F. Koehl and N. Touzi) *Nonlinear Analysis*, 37, 31-56, 1999.
 63. Investment opportunities, short sales constraints and arbitrage opportunities (with L. Carassus), *Mathematical Finance*, 8(3), 169-178, 1998.
 64. Pricing of non-redundant derivatives in a complete market (with P.-F. Koehl and A. Bizid), *Review of Derivatives Research*, 2, 285-312, 1998.
 65. Incomplete Markets, Transaction Costs and Liquidity Effects (with P.F. Koehl and N. Touzi), *European Journal of Finance*, 3, 1-23, 1997.
 66. Unicité et stabilité de l'équilibre dans une économie de production avec règle de tarification marginale : les cas convexe et non-convexe, *Annales d'Economie et de Statistique*, 44, 159-176, 1996.
 67. Produits dérivés, contrôle des risques et réglementation, *Revue d'Economie Financière*, 37, 1996, 203-220.
 68. Martingales, arbitrage and equilibrium in securities markets with transaction costs, (with H. Kallal), *Journal of Economic Theory*, 66(1), 178-197, 1995.

69. Arbitrage in securities markets with shortsale constraints, (with H. Kallal), *Mathematical Finance*, 5(3), 197-232, 1995.
70. The graph of the Walras correspondence, *Journal of Mathematical Economics*, 22, 139-147, 1993.
71. General equilibrium with producers and brokers : existence and regularity, (with H. Kallal), *Economics Letters*, 41 (3), 257-264, 1993.
72. An Index Theorem for Nonconvex Production Economies, *Journal of Economic Theory*, 57 (1), 176-196, 1992.
73. Arbitraje en mercados de valores con fricciones (with H. Kallal), *Cuadernos Economicos de ICE*, 50 (1), 91-114, 1992.
74. Structure de l'ensemble des équilibres d'une économie non-convexes, *Annales de l'Institut Henri Poincaré, Analyse non-linéaire*, 9 (3), 321-336, 1992.
75. Existence of equilibria in nonconvex economies without free disposal, *Economics Letters*, 38, 37-42, 1992.
76. Functions with constant generalized gradient, *Journal of Mathematical Analysis and Applications*, 148 (1), 121-130, 1990.
77. A remark on the Clarke's normal cone and marginal pricing rule, *Journal of Mathematical Economics*, 17, 309-315, 1988 and 18, 95-101, 1989

OTHER BOOKS

1. *Livre bleu, Sauver l'économie pour réussir la transition démocratique* Econ4Tunisia (H. Ben Hammouda, E. Jouini and A. Zouari, Eds), 2019.
2. *Europe's future: Open Innovation, Open Science, Open to the World : reflections of the Research, Innovation and Science Policy Experts (RISE) High Level Group*, European Commission, (co-author as member of the Group), 2018.
3. *Tunisie, l'Espoir, mode d'emploi pour une reprise* (dir.). Cères, French version feb. 2014, Arabic version, sept. 2014,

SURVEYS, REPORTS POPULAR PUBLICATIONS AND COLUMNS (SELECTION)

1. Jouini, E., 2023. Monastir d'une ville de dévôts à une ville d'intellectuels, *Leaders*, 151, 68-75,
2. Jouini, E., 2023. La résistance de Monastir à l'occupation militaire française, *Leaders*, 149, 80-90,
3. Jouini, E., 2023. Ahmed Sakka, du Parti Tunisien au Destour, du Néo-Destour à l'Indépendance, *Leaders*, 146, 62-72,
4. Jouini, E., 2023. Le concept de Raïs houkouma dans l'histoire de la Tunisie, *Leaders*, 145, 78-83,
5. Jouini, E., 2022. Les décideurs publics français, éloignés du monde de la recherche, accordent peu de valeur à la démarche scientifique, *Le Monde* – 19.01.2022
6. Jouini, E., 2021. La loi pour une « égalité économique et professionnelle réelle » peut modifier en profondeur les directions des grandes entreprises françaises. *Le Monde*, 29.10.2021,
7. Jouini, E., 2021. Les femmes ne s'intéressent pas aux sciences ? Vraiment ? *Libération* – 10.02.2021,
8. Bernheim, A. and E. Jouini (interviewed by R. Mulot), 2021. La science a besoin de plus de femmes, *Sciences et Avenir* – 08.03.2021,
9. Breda, T., Jouini, E., Napp, C. and G. Thebault, 2021. Pourquoi l'égalité entre les sexes n'efface-t-elle pas les ségrégations dans les filières scientifiques, *The Conversation*, 10.01.2021,
10. Jouini, E., 2021. Le temps des quick-wins est révolu, *Leaders* – 21.10.2021,
11. Jouini, E., 2021. Oeuvrer au rétablissement de l'espoir, *Leaders* – 11.01.2021,
12. Jouini, E., 2020. Lutter contre l'économie de rente, ce n'est pas lutter contre les grandes entreprises, *La Presse de Tunisie* – 17.05.2020,
13. Jouini, E., 2020. Spéculation, corruption, monopole : comment le coronavirus a révélé les défaillances tunisiennes, *Le Monde* – 15.05.2020,
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- financière, *L'AGEFI* – 28.08.2020,
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 19. Breda, T., Jouini, E. and C. Napp, 2020. L'écart de performance entre filles et garçons en sciences est une forme d'inégalité sociale, *Le Monde* – 20.03.2018,
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 22. Perception, Risques et Décision de Long-terme. In collection *Opinions et Débats*, cahiers du Labex Institut Louis Bachelier, 2014.
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 24. Jouini, E. (interviewed by N. Barré), 2013. Le retour des risques cachés de la finance, *Les Echos* – 28.05.2013,
 25. La finance peut-elle être rationnelle? *Les Echos*, supplément spécial «L'art de la finance », publié le 28 mai 2013.
 26. La situation post-révolution en Tunisie: l'Etat, le Financement de l'Economie et le Système Bancaire, (with D. Saïdane), *Techniques financières et développement*, 116, 2014.
 27. Bringing Hope to Tunisia, the Path to Recovery, *Center for Mediterranean Integration*, 2014.
 28. Dans l'âme des investisseurs, in Repenser l'Economie, *Regards croisés sur l'économie*, 2012.
 29. G8 Support for a Tunisian Plan, publié en mai 2011 simultanément dans The Huffington Post (Etats-Unis, anglais), The International Herald Tribune (Royaume-Uni, anglais), Le

Monde (France, français), La Repubblica (Italie, italien), Der Standard (Autriche, allemand), Financial Times Deutschland (Allemagne, allemand), Neue Zürcher Zeitung (Suisse, allemand), la Presse (Tunisie, français).

30. La finance islamique est-elle une finance durable ?, with K. Jouaber, in *La finance durable, une nouvelle finance pour le 21^{ème} siècle*, (P. Grandin and E. Saïdane, Eds, Revue Banque Editions, 2011).
31. Retraites: pour un mécanisme de régulation pérenne, afin de sortir du bricolage, (with Jean-Claude Angoulvant and Denis Chemillier-Gendreau), *Le Monde*, 12/02/2010
32. Risques : prise de décision individuelle et collective (with M. Nayaradou), *Risques* , 2008.
33. La crise des subprimes ou l'irruption des particuliers dans la sphère financière, *Risques* , 2008.
34. Haro sur la finance, (with Denis Chemillier-Gendreau), *Le Monde*, 5/11/2008.
35. La crise des subprimes place l'endettement des ménages au cœur de la sphère financière, *Le Monde*, 08/01/2008.
36. La modélisation financière sur la sellette, *Le Monde*, 16/12/2008.
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38. Economie et mathématiques, (with I. Ekeland), in *Les mathématiques dans le monde scientifique contemporain*, Académie des Sciences, 241-262, 2005.
39. Le prix des options financières, in *L'explosion des mathématiques*, SMF-SMAI (Eds), 2002.
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41. Mathématiques et finance, *Matapli*, (Journal of the Société de Mathématiques Appliquées et Industrielles, SMAI, France),

- 1998,
42. Le scoring un nouvel instrument de gestion des risques, *Le Manager*, 8, 1997.
 43. Dilemme du prisonnier, théorie des jeux et négociation, *El Madar*, (Journal of the Cité des Sciences de Tunis, Tuinisia), 7, 1996.
 44. Produits dérivés, contrôle des risques et réglementation, *Revue d'Economie Financière*, 37, 1996, 203-220.
 45. Fuite des cerveaux et exode des compétences, (Journal of the Cité des Sciences de Tunis, Tuinisia), *El Madar*, 4, 1995.
 46. Migration des compétences autour de la méditerranée, *Alliages*, 24-25, 1995.
 47. Economie, mathématiques et économie mathématique, *El Madar*, (Journal of the Cité des Sciences de Tunis, Tuinisia), 3, 7-20, 1994.

EDITORIAL BOARDS

Founder and Editor in chief (until 2011), co-editor (2011-2014), member of the Advisory Board (since 2014) of *Mathematics and Financial Economics*, Springer-Verlag.

Member of the Editorial Board (until 2014) of *Finance & Stochastics*, Springer-Verlag.

Member of the Editorial Board of *Annals of Economics and Statistics*.

Member of the Editorial Board of *Islamic Economics Studies*.

Member of the Editorial Board of *Risques*.

Member of the Editorial Board of *Finance* (Journal of the Association française de finance, AFFI).

Member of the Editorial Board of *Advances in Pure and Applied Mathematics*, De Gruyter.

Member of the Editorial Board of the book series *Mathematical Modeling: Theory and Applications*, Kluwer, Antwerp.

Member of the Editorial Board of the *Revue Tunisienne des Sciences de Gestion*.

Member of the Editorial Board of the *Revue Française de Gouvernance d'Entreprise* (Journal of the Institut français des administrateurs, IFA).

Co-editor of the special issue on "Arbitrage and control problems in finance", *Journal of Mathematical Economics*, 1999.

Editor of the special issue on "Market imperfections", *Mathematical Finance*, 1996.

CONFERENCE ORGANIZING (MAIN ORGANIZER OR CO-ORGANIZER)

Households Risk and Insurance Workshop, Palais Brongniart, Paris, 2010,

Dynamic Risk Sharing Workshop, Paris-Dauphine, 2009,

Liquidity and Risk Management: Lessons from Current Capital Market Experiences, Myron Scholes Conference, Paris-Dauphine, 2008,

Summer School *Perceiving, Measuring and Managing Risk: Illiquidity, Long-Term Risk, Natural Resources*, Pacific Institute for Mathematical Sciences, UBC, Vancouver, 2008 (with Ivar Ekeland, Ulrich Horst and Ali Lazrak)

Inaugural Workshop of the Groupama Chair, *Le passage de la mutualisation à un lissage dans le temps des charges*, Paris, 2007,

Risk: Individual and Collective Decision Making Workshop, Paris-dauphine, 2007,

In charge (with R. Cont, I. Ekeland, N. El Karoui, M. Jeanblanc and N. Touzi) of the *Bachelier Seminar* (weekly seminar), 2002-2005,

In charge (with I. Ekeland, H. Pham and N. Touzi) of the *Mathématiques de l'Economie et de la Finance* weekly seminar Institut Henri Poincaré, 1994-2002

Analyse convexe et non-convexe et applications à l'économie et à la finance, Mini-Symposium at the 1st French Congress of Applied and Industrial Mathematics, 2001.

International Conference on Mathematical Finance, Hammamet, 1999, (with Nizar Touzi).

Mathematical Economics and Mathematical Finance International

Conference, Tunis, 1994.

MEMBER OF ORGANIZING AND SCIENTIFIC COMMITTEES

European Group of Risk and Insurance Economists annual meeting (member of the nominating committee of the SCOR/EGRIE Award for the best paper presented by a young economist, since 2008)

Conference en l'honneur d'Ivar Ekeland, Université Paris-Dauphine, juin 2014,

International Workshop on Pension, Insurance and Saving, Université Paris-Dauphine, Harvard University, Oxford University and OECD, 2015,

International Workshop on Pension, Insurance and Saving Université Paris-Dauphine and Harvard University, 2014,

International Workshop on Pension, Insurance and Saving, Université Paris-Dauphine and Oxford University and OCDE, 2013,

International Workshop on Pension, Insurance and Saving, Université Paris-Dauphine and OECD, Paris, 2012,

International Workshop on Pension, Insurance and Saving, Palais Brongniart, Paris, 2011,

Dauphine Workshop on Economic Theory, Recent Advances on the Role of Beliefs in Decision Theory, novembre 2011.

New advances in backward SDEs for financial engineering application, Tamerza, Tunisie, 2010.

8th International Workshop on Pension, Insurance and Saving, Palais Brongniart, Paris, 2010.

7th International Workshop on Pension, Insurance and Saving, Palais Brongniart, Paris, 2009.

Workshop Econometrics of Hedge Funds, CREST-ENSAE, Paris, 2009,

French Finance Association Conference (AFFI) 1994, 1995, 1998, 1999, 2000, 2003, 2007, 2008, 2009.

International Conference on Stochastic Analysis and Applications, Hammamet, 2007, 2009.

Workshop *Dynamic and Multivariate Risk measures*, IHP, Paris, 2008.

Colloque *La responsabilité des dirigeants : quelles protections?*, Paris-Dauphine, 2008.

Colloque *Pension and Savings: consequences of longevity risks on pension systems and labor markets*, Paris-Dauphine, 2008.

Workshop on bi-variated risk, health and insurance, Dauphine, 2007.

International Conference in Finance, 2001, 2003 and 2005.

International Conference on Approximation and Optimization, Guatemala City, 2001.

4th International Conference on Operations Research, Havana, 2000.

Pricing and managing financial assets in international capital markets, Le Mans, 2000.

International Conference on Approximation and Optimization, Guadeloupe, 1999.

Produits dérivés : risques et enjeux, Institut de l'Ecole normale Supérieure, Paris, 1995.

2nd Tunisian Mathematical Society Colloquium, 1994.

Journées maghrébines de mathématiques appliquées, 1994.

DISSERTATIONS AND THESES COMPLETED UNDER MY SUPERVISION

LAURENCE CARASSUS, 1997, *Contribution à l'étude mathématique de l'arbitrage et des imperfections de marché*, PhD thesis.

NICOLAS DUBOURG, 1997, *Gestion de portefeuille en présence de coûts de transaction*, PhD thesis.

CLOTILDE NAPP, 2000, *Contributions à la théorie mathématique de la notion d'arbitrage*, PhD thesis.

GUILLAUME BERNIS, 2001, *Benchmarking and insurance*, PhD thesis.

ABDELHAMID BIZID, 2001, *Equilibre, imperfections de marché et évaluation de produits dérivés*, PhD thesis.

MARTINO GRASSELLI, 2001, *La gestion de portefeuille à long terme*, PhD thesis.

LAURENT GAUTHIER, 2002, (co-advisor : Marc Chesney), *Options réelles et options exotiques*, PhD thesis.

MARIE CHAZAL, 2003, (co-advisor : Rabah Tahraoui), *Calcul des variations en économie et en finance*, PhD thesis.

VINCENT PORTE, 2005, *Applications de la comonotonie en finance*, PhD thesis.

TRISTAN TOMALA, 2005, *Contributions à la théorie des jeux répétés*, Habilitation thesis.

JEROME RENAULT, 2007, *Autour des jeux répétés*, Habilitation thesis.

SELIMA BEN MANSOUR, 2009, *Hétérogénéité des croyances et équilibre des marchés financiers*, PhD thesis.

PIERRE-OLIVIER RUETHER, 2012, *The Long-Term Discount Rate when Taking into Account Production*, PhD Thesis.

MERYEM MEHRI, 2014, *Frais, performance et risque des fonds d'investissement islamiques et conventionnels : une approche théorique et empirique*, PhD thesis.

PAUL KAREHNKE, 2014, *Portfolio choice and asset pricing with endogenous beliefs and skewness preference*, PhD thesis, **Best PhD Thesis Award (ranked 1st)**.

ARTHUR BEDDOCK, 2021, *Évaluation d'Actifs avec Agents Hétérogènes et Rendements Non-normaux*, PhD Thesis. **Best PhD Thesis Award (ranked 2nd)**.

FREDERIC SAMAMA, 2023, *Mobilisation des Marchés Financiers vers une Économie Bas Carbone*, PhD Thesis.

Language skills : French : Native ; Tunisian Dialectal Arabic : Native ; English : C1 ; Spanish : A2, Arabic : A2.