

PUBLICATIONS

A. OUVRAGES, COORDINATION D'OUVRAGES ET CHAPITRES D'OUVRAGES

1. N. Maïzi, S. Bouckaert, E. Assoumou. Long term water and energy issues in european power systems in J.R. Ziolkowska, J.M. Peterson, editors. Competition for Water Resources: Experiences and Management Approaches in the US and Europe. 2016. Elsevier: Cambridge, MA
2. N. Maïzi (Dir.), Changer d'échelle pour les négociations climatiques : Huit initiatives régionales, sectorielles et citoyennes (Changing the scale for climate negotiations: Eight initiatives centered on regions, sectors and citizens), Presses de l'Ecole des Mines Ed., (2015), (ISBN: 978-2-35671-238-7).
3. N. Maïzi (Co-Author), A Global Renewable Energy Roadmap: Comparing Energy Systems Models with IRENA's REmap 2030 Project, in Informing Energy and Climate Policies Using Energy Systems Models, Lecture Notes in Energy, Volume 30, 2015, Springer, pp. 43-67.
4. M. Bossy, N. Maïzi and O. Pourtallier, Game theory analysis for carbon auction market through electricity market coupling, Volume on "Commodities, Energy, and Environmental Finance", Springer Volume, 2015.
5. M. Bossy, N. Maïzi, O. Pourtallier. Combien pour ma tonne de CO2 ?. Martin Andler; Liliane Bel; Sylvie Benzoni; Thierry Goudon; Cyril Imbert; Antoine Rousseau. Brèves de maths, Nouveau Monde Éditions, 2014.
6. Smart grids : au-delà du concept, comment rendre les réseaux plus intelligents, Presses de l'Ecole des Mines Ed., (2012), (ISBN : 978-2-911256-93-6).
7. Eau et Energie: des destins croisés, Presses de l'Ecole des Mines Ed., (2010), (ISBN: 978-2-911256-41-7).
8. Carbone et Prospective, Presses de l'Ecole des Mines Ed., (2009), (ISBN: 978-2-911256-11-0).
9. Iles et Energie, un paysage de contrastes, Presses de l'Ecole des Mines Ed., (2008), (ISBN : 978-2-35671-011-6).
10. Electricity prices in a Game Theory Context, Bossy, M., Maïzi, N., Olsder, G.J., Pourtallier, O., and Tanré, Chapter 7 (pp. 135-159) in Dynamic Games, Theory and application, Kluwer Academic, A. Haurie, G. Zaccour Ed, Springer (2005).
11. N. Maïzi, A "relaxation" approach which allows Hankel approximation of some vibrating structures, Lecture Notes in Control and Information Sciences, Volume 185, Springer-Verlag, Berlin, (1992).

B-1. REVUES INTERNATIONALES AVEC COMITÉ DE LECTURE

1. M. Coatalem, V. Mazauric, C. Le Pape, N. Maïzi, Optimizing industries' power generation assets on the electricity markets, Applied Energy, 2016, Available online 21 January 2016.
2. G. Bonvin, A. Samperio, C. Le Pape, V. Mazauric, S. Demasse, N. Maïzi, A convex mathematical program for pump scheduling in a class of branched water networks. Applied Energy, 2016, Available online 9 January 2016.
3. V. Krakowski, E. Assoumou, V. Mazauric, N. Maïzi, Feasible path toward 40% - 100% renewable energy shares for power supply in France by 2050: A prospective analysis. Applied Energy 171 (2016) 501-522.
4. G. Sokhna Seck, G. Guerassimoff, N. Maïzi, Heat recovery using heat pumps in non-energy intensive industry: Are Energy Saving Certificates a solution for the food and drink industry in France?. Applied Energy 156, (2015), pp.374-389.
5. S. Kang, S. Selosse, N. Maïzi, Strategy of bioenergy development in the largest energy consumers of Asia (China, India, Japan and South Korea) Energy Strategy Reviews, 2015, 8, pp.56-65.
6. M. Drouineau, E. Assoumou, V. Mazauric, N. Maïzi, Increasing shares of intermittent sources in Reunion Island: impacts on the future reliability of power supply, Renewable and Sustainable Energy Reviews. 06/2015; 46. DOI: 10.1016/j.rser.2015.02.024
7. J.-M. Cayla, N. Maïzi, Integrating household behavior and heterogeneity into the TIMES-Households model, Applied Energy (2015) volume 139 pp 56-67.

8. M. Bossy, N. Maïzi, O. Pourtallier. Nash equilibrium for coupling of CO2 allowances and electricity markets. ESAIM: Proceedings, EDP Sciences, 2014, Congrès SMAI 2013, 45, September 2014 pp.98 - 107. hal-00913320
9. S. Bouckaert, V. Mazauric, N. Maïzi, Expanding renewable energy by implementing dynamic support through storage technologies, *Energy Procedia* (2014), pp. 2000-2003, DOI information: 10.1016/j.egypro.2014.12.061
10. S. Bouckaert, P. Wang, V. Mazauric, N. Maïzi, Expanding renewable energy by implementing Demand-Response, *Energy Procedia* (2014), pp. 1844-1847, DOI information: 10.1016/j.egypro.2014.12.226
11. F. Briens, N. Maïzi, Coping with the complexity of socio-ecological systems : Investigating the Degrowth Paradigm through prospective Modeling, *ÖkologischesWirtschaften* 3.2014 (29)
12. N. Maïzi, E. Assoumou, Future prospects for nuclear power in France, *Applied Energy* (2014), pp. 849-859, DOI information: 10.1016/j.apenergy.2014.03.056.
13. S. Zouaoui, V. Roy, N. Maïzi, Securing harbor by combining probabilistic approach with event-based approach, *Applied Ocean Research* 47 (2014) 98?109, doi:10.1016/j.apor.2013.12.004.
14. S. Bouckaert, E. Assoumou, S. Selosse, N. Maïzi, A prospective analysis of waste heat management at power plants and water conservation issues using a global TIMES model, *Energy*, Volume 68, 15 April 2014, Pages 80-91.
15. M. Drouineau, N. Maïzi, V. Mazauric, Impacts of intermittent sources on the quality of power supply: The key role of reliability indicators. *Applied Energy* 116 (2014) pp 333-43.
16. G. Seck, G. Guerassimoff, N. Maïzi, Heat Recovery with heat-pumps in non-energy intensive industry: a detailed bottom-up model analysis in the French food & drink, *Applied Energy* 111, (2013), pp 489-504.
17. S. Selosse, O. Ricci, N. Maïzi, Fukushima's impact on the European power sector: The key role of CCS technologies, *Energy Economics*, Vol. 39, pp 305-312, 2013.
18. A. Dubreuil, E. Assoumou, S. Bouckaert, S. Selosse, Nadia Maïzi, Water modeling in an energy optimization framework - The water-scarce middle east context, *Applied Energy* 101, (2013), pp 268-279.
19. S. Bouckaert, S. Selosse, A. Dubreuil, E. Assoumou, N. Maïzi, Analyzing water supply in future energy systems using the TIMES Integrated Assessment Model (TIAM-FR), *The Journal on Systemics, Cybernetics and Informatics (JSCI)*, Volume 10 - Number 1 - 2012.
20. J.-M. Cayla, N. Maïzi, C. Marchand, "The Role of Income in Energy Consumption Behaviour: Evidence from French Households data", *Energy Policy*, Volume 39, Issue 12, December 2011, Pages 7874-7883.
21. E. Assoumou, N. Maïzi, "Carbon value dynamics for France: A key driver to support mitigation pledges at country scale", *Energy Policy*, Volume 39, Issue 7, July 2011, Pages 4325-4336.
22. M. Dagdelen, G. Reymond, A. Kemeny, M. Bordier and N. Maïzi, "Model-based predictive motion cueing strategy for vehicle driving simulators", *Control Engineering Practice*, Volume 17, Issue 9, September 2009, Pages 995-1003.
23. N. Maïzi and M. Bordier, "Optimal operational loads for distributed cogeneration power plants", *Proceedings in Applied Mathematics and Mechanics*, vol. 7, issue 1, 2007.
24. V. Mazauric and N. Maïzi, "A global approach of electromagnetism dedicated to further long-term planning," *Proceedings in Applied Mathematics and Mechanics*, vol. 7, issue 1, 2007.
25. N. Maïzi, L^∞ approximation of a parabolic system regarded as a delay system, *Systems and Control Letters* 6 (1994) 457-467.

B-2. CONFÉRENCES INTERNATIONALES AVEC COMITÉ DE LECTURE

1. V. Krakowski, N. Maïzi, V. Mazauric, A magnetic model dedicated to the stability of the power grid, *IEEE Advances in Magnetics Conference*, March 15th, 2016, Bormio Italy.

2. V. Krakowski, N. Maïzi, V. Mazauric, Sustainable design of power systems: A fully magnetic multi-scale model devoted to grid stability IEEE Intermag Conference 2016, San Diego CA USA.
3. S. Kang, S. Selosse, N. Maïzi, What Development for Bioenergy in Asia: A Long-term Analysis of the Effects of Policy Instruments using TIAM-FR model. P.R. China. IBSCE 2015, Oct 2015, Shanghai, China. ETA-Florence Renewable Energies, Proceedings of the International Bioenergy (Shanghai) and Asian Bioenergy Conference, pp.149-153 - ISBN 978-88-89407-13-4, 2015.
4. E. Assoumou, N. Maïzi, The changing role of natural gas in the French energy transition, SDEWES2015-0374. , Proceedings of the 10th Conference on Sustainable Development of Energy, Water and Environment Systems, Sept 2015, Dubrovnik, Croatia.
5. V. Krakowski, E. Assoumou, N. Maïzi, V. Mazauric, A prospective analysis of contrasted renewable energy penetration targets in French power system, SDEWES2015-0323., Proceedings of the 10th Conference on Sustainable Development of Energy, Water and Environment Systems, Sept 2015, Dubrovnik, Croatia.
6. G. Bonvin, A. Samperio, C. Le Pape, V. Mazauric, S. Demasse, N. Maïzi, A Heuristic Approach to the Water Networks Pumping Scheduling, Energy Procedia, Volume 75, August 2015, Pages 2846-2851.
7. M. Coatalem, V. Mazauric, C. Le Pape, N. Maïzi, Optimal Management of Power Generation Assets: Interaction with the Electricity, Energy Procedia, Volume 75, August 2015, Pages 2575-2580.
8. N. Maïzi, Advances in multi-scale models to shed light on the plausibility of long term scenarios, Our Common Future under Climate Change Conference, Paris, July, 2015.
9. N. Maïzi, S. Selosse, E. Assoumou, M. Thiboust, Vincent Mazauric, Arbitrage between Energy Efficiency and Carbon Management in the Industry Sector: An Emerging vs. Developed Country Discrimination, IEW Abu Dhabi, June 2015.
10. G. Bonvin, A. Samperio, C. Le Pape, V. Mazauric, S. Demasse, N. Maïzi, A heuristic approach to the water networks pumping scheduling issue, The 7th International Conference on Applied Energy, ICAE2015, Abu Dhabi, United Arab Emirates, March 28-31, 2015.
11. M. Coatalem, V. Mazauric, C. Le Pape, N. Maïzi, Optimal management of power generation assets: Interaction with the electricity markets, The 7th International Conference on Applied Energy, ICAE2015, Abu Dhabi, United Arab Emirates, March 28-31, 2015.
12. F. Briens, N. Maïzi, Investigating the degrowth paradigm through prospective modeling: The case of France, 4th IAEE European Energy Conference, Sustainable Energy Policy and Strategies for Europe, Rome, October 28-31, 2014.
13. V. Krakowski, E. Assoumou, V. Mazauric, N. Maïzi, Integrating renewable energy in power systems: Challenges and solutions, 14th IAEE European Energy Conference, Sustainable Energy Policy and Strategies for Europe, Rome, October 28-31, 2014.
14. E. Stolyarova, H. Le Cadre, D. Osso, B. Allibe, C. Marchand, N. Maïzi, Determinants of household energy consumption in France: behavior approach, 14th IAEE European Energy Conference, Sustainable Energy Policy and Strategies for Europe, Rome, October 28-31, 2014.
15. S. Selosse, N. Garcia, N. Maïzi, Toward the future climate regime: a regional long-term perspective of political targets and technological options, 14th IAEE European Energy Conference, Sustainable Energy Policy and Strategies for Europe, Rome, October 28-31, 2014.
16. V. Mazauric, M. Thiboust, N. Maïzi, S. Selosse, E. Assoumou. Arbitrage between energy efficiency and carbon management: an industry sectorial study. Retool for a competitive and sustainable industry, Jun 2014, Papendal, Arnhem, Netherlands. ECEEE 2014 Industrial Summer Study Proceedings. hal-01103208
17. V. Krakowski, E. Assoumou, V. Mazauric, N. Maïzi Long-term modelling of renewable energy integration in the case of France, IEW Beijing (Energy Research Institute), June 2014.
18. S. Selosse, N. Maïzi, What commitments for the future climate regime: Long-term decoding using TIAM-FR, IEW Beijing (Energy Research Institute), June 2014.
19. S. Bouckaert, V. Mazauric, N. Maïzi, Expanding renewable energy by implementing Demand Response, International Conference on Applied Energy, Taipei, 30 May- 2 June 2014.

20. S. Bouckaert, P. Wang, V. Mazauric, N. Maïzi, Expanding renewable energy by implementing dynamic support through storage technologies, International Conference on Applied Energy, Taipei, 30 May- 2 June 2014.
21. V. Mazauric, S. Bouckaert, M. Drouineau, N. Maïzi, How much intermittency in the power mix: an energy-based approach, International Conference on Applied Energy, Pretoria, South Africa, 1-4 July 2013.
22. N. Maïzi, E. Assoumou, Future prospects for nuclear power in France, International Conference on Applied Energy, Pretoria, South Africa, 1-4 July 2013.
23. S. Bouckaert, M. Drouineau, V. Mazauric, E. Assoumou and N. Maïzi, Smart Grids and Reliability of power supply: Demand response impact on future power mixes, IEEE PowerTech conference, Towards carbon free society through smarter grids, Grenoble France, 16-20 June 2013.
24. S. Selosse, S. Postic, N. Maïzi, Energy resources and sustainable response to climate constraint in Latin America : A long-term analysis with TIAM-FR, 4th ELAEE, Montevideo, Uruguay, April 8-9, 2013.
25. S. Postic, N. Maïzi, S. Selosse, E. Assoumou, Energy trends in Latin America: a regional disaggregation meeting the requirements of the TIMES prospective approach, 4th ELAEE, Montevideo, Uruguay, April 8-9, 2013.
26. S. Zouaoui, V. Roy, N. Maïzi, Behavior analysis modulus for harbor security, OCEANS 2012 MTS/IEEE, Hampton Roads, Virginia Beach Convention Centre, Virginia, USA, October 15-19, 2012
27. V. Mazauric and N. Maïzi, Optimality principles for the sustainability of electrical systems: a thermodynamic approach, International Conference on Applied Energy, Suzhou, China, 5-8 July 2012.
28. A. Atayi, N. Maïzi, S. Selosse, A 80% carbon-free Europe in 2050, what impacts on the European electric generation technologies uses ?, International Conference on Carbon Reduction Technologies (Care Tech), Polish Jurassic Highland, Poland, 19-22 September 2011.
29. M. Thibouast, N. Maïzi, S. Selosse, V. Mazauric, Arbitrage between energy efficiency and carbon management, International Conference on Carbon Reduction Technologies (Care Tech), Polish Jurassic Highland, Poland, 19-22 September 2011.
30. S. Bouckaert, S. Selosse, A. Dubreuil, E. Assoumou, N. Maïzi Towards A Shared Optimum For Water And Energy Resources: A Focus On The Middle East Using The TIAM-FR Model, IEW Stanford, July 2011.
31. N. Maïzi, M. Drouineau, E. Assoumou, V. Mazauric, A TIMES Model Of The Reunion Island For Analysing The Reliability Of Electricity Supply, IEW Stanford, July 2011.
32. S. Selosse, E. Assoumou, N. Maïzi, Climate Scenarios For Developing And Developed Countries: A Prospective Analysis With TIAM-FR, IEW Stanford, July 2011.
33. N. Forsell, S. Selosse, N. Maïzi, Insights on the Chinese climate agenda: technical challenges, IEW Stanford, July 2011.
34. A. Dubreuil, S. Bouckaert, S. Selosse, N. Maïzi, "Water-Energy Capital: sustainability implications through the implementation of water allocation in TIAM-FR energy model", 6th Dubrovnik Conference on Sustainable Development of Energy, Water and Environment Systems, UNESCO, Dubrovnik, Croatia, September 25-29, 2011.
35. S. Selosse, E. Assoumou, N. Maïzi, "Developed and developing countries perspectives of the climate policy based on the Copenhagen Accord: A long-term analysis with TIAM-FR", 34th IAEE International Conference, "Institutions, Efficiency and Evolving Energy Technologies", Stockholm, June 19-23, 2011.
36. S. Selosse, E. Assoumou, N. Maïzi, "Climate policy impact on energy system: a long-term analysis with the TIMES Integrated Assessment Model (TIAM-FR)", 3rd International Symposium on Energy Engineering, Economics and Policy: EEEP 2011, Orlando, Florida, July 19-22, 2011.
37. V. Mazauric, T.H. Pham, P.F. Wendling and N. Maïzi, "Sustainable design in electrical engineering: A multi-scale approach", IEEE InterMag Conference, 2011 Taipei, Taiwan.
38. S. Zouaoui-Elloumi, J-P. Marmorat, V. Roy, N. Maïzi, "Securing Harbors by modeling and classifying ships behaviors", Proceedings of the 20th Behavior Representation in Modeling and Simulation (BRIMS) Conference, Utah, March 2011.

39. S. Zouaoui-Elloumi, J-P. Marmorat, V. Roy, N. Maïzi, "Modeling Ship Behavior based on Hidden Markov Models", Proceedings of Signal Processing, Pattern Recognition, and Applications (SPPRA 2011), Innsbruck, Austria, Feb 2011.
40. M. Drouineau, N. Maïzi, E. Assoumou and V. Mazauric, "Flexibility and reliability in long-term planning exercises dedicated to the electricity sector", XXIe World Energy Congress, Montreal, Canada, September 12-16, 2010.
41. S. Selosse, E. Assoumou, N. Maïzi and V. Mazauric, "Post-Kyoto policy implications on the energy system : A TIAM-FR long-term planning exercise", XXIe World Energy Congress, Montreal, Canada, September 12-16, 2010.
42. Stéphanie Bouckaert, Sandrine Selosse, Aurélie Dubreuil, Edi Assoumou and Nadia Maïzi, "Implementing water allocation in the TIAM-FR energy model", 11th IAEE European Conference, "Energy Economy, Policies and Supply Security : Surviving the Global Economic Crisis", Vilnius, Lithuania, August 25-28, 2010.
43. S. Selosse, E. Assoumou and N. Maïzi, "Prospective analysis of post-Copenhagen climate policy : the plausibility of investments in carbon capture and storage", 11th IAEE European Conference, "Energy Economy, Policies and Supply Security : Surviving the Global Economic Crisis", Vilnius, Lithuania, August 25-28, 2010.
44. M. Drouineau, N. Maïzi, E. Assoumou and V. Mazauric, "TIMES model for the Reunion Island : addressing reliability of electricity supply", International Energy Workshop (IEW), Stockholm, Sweden, June 21-23, 2010.
45. S. Selosse, E. Assoumou and N. Maïzi, "CO2 mitigation targets and technological limits : Prospective analysis with the TIMES integrated assessment model (TIAM-FR)", International Energy Workshop (IEW), Stockholm, Sweden, June 21-23, 2010.
46. S. Selosse, E. Assoumou and N. Maïzi, "Regional impacts of the global carbon stakes : Long term prospective with the TIMES integrated assessment model (TIAM-FR)", 33rd IAEE International Conference "The Future of Energy : Global Challenges, Diverse Solutions", Rio de Janeiro, Brazil, June 6-9, 2010.
47. M. Drouineau, V. Mazauric, N. Maïzi and E. Assoumou, "The cost of reliability of supply in future power systems", 33rd IAEE International Conference "The Future of Energy : Global Challenges, Diverse Solutions", Rio de Janeiro, Brazil, June 6-9, 2010.
48. M. Drouineau, N. Maïzi, V. Mazauric and E. Assoumou, "Long term planning tools and reliability needs : focusing on the Reunion Island", 33rd IAEE International Conference "The Future of Energy : Global Challenges, Diverse Solutions", Rio de Janeiro, Brazil, June 6-9, 2010.
49. G. Guerassimoff, E. Assoumou, N. Maïzi, Biomass for energy uses : methodology and results for France, 33rd IAEE International Conference "The Future of Energy : Global Challenges, Diverse Solutions", Rio de Janeiro, Brazil, June 6-9, 2010.
50. V. Mazauric, N. Maïzi, L. Rondot, and P. Wendling, "Dissipative processes in electrical engineering : A multi-scale approach," presented at the 14th biennial IEEE Conference on electromagnetic field computation (CEFC 2010), Chicago, IL, USA, 2010.
51. N. Maïzi, V. Mazauric, E. Assoumou, and M. Drouineau, "Long-term planning and the sustainable power system : A focus on the flexibility needs and network reliability," IEEE PES Power Systems Conference and Exhibition, Seattle, WA, USA, 2009.
52. V. Mazauric, N. Maïzi, A. Anglade, and G. Guerassimoff, "Desperately seeking energy efficiency... using Information and Communication Technologies?," IEEE PES Power Systems Conference and Exhibition, Seattle, WA, USA, 2009.
53. Edi Assoumou, Valérie Roy and Nadia Maïzi, "Shift from oil fueled cars for future sustainable mobilities", 10th IAEE European Conference "Energy, Policies and Technologies for Sustainable Economies", Vienna, Austria, September 7-10, 2009.
54. Gilles Guerassimoff, Edi Assoumou, Nadia Maïzi and Marc Bordier, "Biomass for energy uses : assessment methodology for France", 10th IAEE European Conference "Energy, Policies and Technologies for Sustainable Economies", Vienna, Austria, September 7-10, 2009.

55. Sandrine Selosse, Edi Assoumou, Nadia Maïzi and Benoît Lentz, "GHG mitigation targets by 2020 : what international coordination?", 10th IAEE European Conference "Energy, Policies and Technologies for Sustainable Economies", Vienna, Austria, September 7-10, 2009.
56. M. Drouineau, N. Maïzi, E. Assoumou, and V. Mazauric, "Reliability in future electricity mixes : The question of distributed and renewables sources," 10th European International Association for Energy Economics Conference, Vienna, Austria, 2009.
57. Olivier Davidau, Mireille Bossy, Nadia Maïzi and Odile Pourtallier, "Valuing CO_2 Emission Allowances with Stochastic Control", ERCIM News, 2009, 78, 2009.
58. N. Maïzi, E. Assoumou, "Electricity Generation and Renewables Under Carbon Mitigation Policies", IEEE Energy 2030 : IEEE Conference on Global Sustainable Energy Infrastructure, Atlanta Nov. 2008.
59. A-S. Malidin, C. Kayser-Bril, N. Maïzi, E. Assoumou, V. Mazauric, V. Boutin, "Assessing the Impact of Smart Building Techniques : a Prospective Study for France", IEEE Energy 2030 : IEEE Conference on Global Sustainable Energy Infrastructure, , Atlanta Nov. 2008.
60. M. Drouineau, V. Mazauric, E. Assoumou and N. Maïzi, "Network reliability assessment towards long term planning", IEEE Energy 2030 : IEEE Conference on Global Sustainable Energy Infrastructure, Atlanta Nov. 2008.
61. C. Kayser-Bril, C. Liotard, N. Maïzi, V. Mazauric, "Power Grids on Islands : from Dependency to Sustainability?", IEEE Energy 2030 : IEEE Conference on Global Sustainable Energy Infrastructure, Atlanta Nov. 2008.
62. E. Assoumou, N. Maïzi, "Assessing Carbon Values To Achieve Strong Post Kyoto CO_2 Reduction Targets For France", presented at 31th International Association for Energy Economics International Conference, IAEE, Istanbul, Turkey, 2008.
63. N. Maïzi, E. Assoumou, V. Mazauric, "Energy Efficiency And The "triple 20" European Policy : Lessons Drawn From The French Case", presented at 31th International Association for Energy Economics International Conference, IAEE, Istanbul, Turkey, 2008.
64. Vincent Mazauric and Nadia Maïzi "An optimal approach dedicated to energy efficiency of electrical systems", EngOpt 2008 - International Conference on Engineering Optimization, Rio de Janeiro, Brazil, 01 - 05 June 2008.
65. Vincent Mazauric, Nadia Maïzi and Philippe Wendling "A Global Approach of Electromagnetism Dedicated to Energy Efficiency" International Power Engineering Conference IPEC2007 - Dec 2007, Singapore.
66. H. Elloumi, M. Bordier, N. Maïzi, "Existence and Boundedness of Solutions of Nonlinear non Symmetric Riccati Equations and their Application in Robust Control", 46th IEEE Conference on Decision and Control, New-Orleans, 12-14 Dec 2007.
67. H. Elloumi, M. Bordier, N. Maïzi, "Maximum Performance of Motion Restitution in Advanced Driving Simulators", IROS 2007.
68. H. Elloumi, M. Bordier, N. Maïzi, "Hybrid motion cueing algorithms for redundant advanced driving simulators", ICINCO, Angers, May, 9-12, 2007.
69. Jan Neering, Marc Bordier and Nadia Maïzi, "Optimal Passive Source Localization", International Conference on Sensor Technologies and Applications SENSORCOMM 2007, Valencia, Oct. 2007.
70. Vincent Mazauric, Nadia Maïzi, "Dedicating electrical engineering to energy efficiency", International Energy Workshop, Stanford, June 25-27, 2007.
71. Vincent Mazauric, Nadia Maïzi, G. Guerassimoff, A. Anglade, "Desperatly seeking for energy efficiency using Information and Communication Technologies ?" International Energy Workshop, Stanford, June, 25-27, 2007.
72. Edi Assoumou, Felipe Pritchard, Gilles Guerassimoff, Nadia Maïzi, "Prospective analysis for the Chilean power generation park using Markal" International Energy Workshop, Stanford, June, 25-27, 2007.
73. Vincent Mazauric, Jean-Paul Gonnet, Nadia Maïzi, Philippe Wendling, "Dedicating electrical engineering to electromagnetic compatibility and energy efficiency", Power Systems Conference and Exposition, Atlanta 29 Oct - 01 Nov 2006.

74. Nadia Maïzi, Edi Assoumou, Marc Bordier, Gilles Guerassimoff, Vincent Mazaauric " Key features of the electricity production sector through long-term planning : the French case", Power Systems Conference and Exposition, Atlanta 29 Oct - 01 Nov 2006.
75. J.-P. Gonnet, J.-M. Guichon, A. Anglade, N. Maïzi, V. Mazaauric, J. Roudet, and P. Wendling, "Toward a global approach dedicated to electromagnetic compatibility and energy efficiency" (invited speaker), presented at EMC-Zurich Conference, Singapore, 2006.
76. Jan Neering, Rémi Draï, Marc Bordier, Nadia Maïzi, "Multiobjective Robust Control Via Youla Parametrization", CCA, ISIC and CACSD 2006, October 4-6, 2006, Munich, Germany.
77. Edi Assoumou, Marc Bordier, Gilles Guerassimoff, Nadia Maïzi, " Reducing greenhouse gas emmissions by a factor of 4 by 2050 : a bottom-up analysis of post Kyoto emissions targets for France ", International Energy Workshop, Cape-Town 27-29 June 2006.
78. J.-P. Gonnet, V. Mazaauric, N. Maïzi, and P. Wendling, "A global approach dedicated to EMC and energy efficiency," presented at Biennial IEEE Conference on electromagnetic field computation (CEFC 2006), Miami, USA, 2006.
79. H. Elloumi, M. Bordier, N. Maïzi, "An encompassing formalization of robust computed torque schemes of robot systems", Proceedings of IEEE Conference on Decision and Control and European Control Conference, December 2005, Sevilla, Spain.
80. H. Elloumi, M. Bordier, N. Maïzi, "An optimal control scheme for a driving simulator", Proceedings of ICINCO 2005, International Conference on Informatics in Control, Automation and Robotics, September, 2005, Barcelona, Spain.
81. H. Elloumi, M. Bordier, N. Maïzi, "Integrated model-based control with human perception models in driving simulation", Proceedings of IMACS05, Calcul Scientifique, Mathématiques Appliquées et Simulation, July, 2005, Paris.
82. V. Roy, N. Maïzi, "Towards an integrated conception of hybrid dynamical systems", Proceedings of IFAC Barcelona, July 2002.
83. Nadia Maïzi, Valérie Roy, "Application of an Hybrid ESTEREL/LUSTRE/SIMULINK System : a Hybrid Energy System", Proceedings ADPM'2000, Sept 2000, Dortmund.
84. M. Bordier, N. Maïzi, An issue around the active control of sound, Proceedings *European Control Conference, Roma, Sept. 1995*.

B-3. CONFÉRENCES INVITÉES INTERNATIONALES

1. N. Maïzi with V. Mazaauric and E. Assoumou, Time-scale reconciliation to shed light on the plausibility of long-term low carbon pathways: power system issues, Short term versus long term energy planning (Considering temporal trade-offs in decarbonisation pathways) Workshop London, 28/29 April 2016.
2. N. Maïzi, Dedicating multiscale approaches to low carbon prospective studies, Science for Energy Scenario, Les Houches, 11 March 2016.
3. N. Maïzi Long term prospective of business contribution to low carbon development, COP 21, Side Event, ParisTech, Paris, 30 Nov - 12 Dec, 2015.
4. N. Maïzi Large scale renewables integration and the changing roles of the TSO & DSO companies - pannel session - European Utility Week 4th of November, 2015, Vienna.
5. N. Maïzi, Innovation in Decarbonization, BECI/UC Berkeley, MINES ParisTech/Chair for sustainable development, Our Common Future Conference side-event, Paris, July 2015.
6. N. Maïzi Sustaining reliability while implementing intermittency: what shares in the power mix? , CaFFEET Conference, San Francisco, 29-30 September 2015.
7. N. Maïzi Solar as base power, The Philomathia Forum, Solutions for the 2025/30 International Climate Accord: Scaling-up Clean Energy Production, Policy Innovations, and Business, Investment, University of California, Berkeley, 19-20 March 2015.
8. N. Maïzi Water and Energy Allocations: Long term issues. 4th Forum on the Climate-Energy Security Nexus: Water and Energy, WBCSD, Geneva, Switzerland, 6 Dec, 2014.

9. N. Maïzi Carbon energy system analysis through the regional climate contribution's issues, COP 20, European Side Event, ParisTech, Lima, Peru, 1 - 12 Dec, 2014.
10. N. Maïzi The need and challenge of ambitious climate-energy strategies at the urban scale, COP 20, European Side Event, ParisTech, Lima, Peru, 1 - 12 Dec, 2014.
11. N. Maïzi Combating climate change in latin america, COP 20, UNFCCC Side Event, ParisTech, Lima, Peru, 1 - 12 Dec, 2014.
12. N. Maïzi Smart and Sustainable Low Carbon Growth: Electricity System Expansion, STE-Forum, Research Center Jülich, May 2014.
13. N. Maïzi, Low-Carbon growth of electricity systems, Science for Energy Scenario, Les Houches, 6 February 2014.
14. N. Maïzi Following the trend or changing the french paradigm?: future prospects for nuclear power in France, COP 19, Side Event ParisTech, Combating climate change with or without nuclear power, Varsow, Poland, 11 - 22 Nov, 2013.
15. N. Maïzi The challenges of applying intelligent solutions in the energy and climate revolution, COP 19, Side Event, European Pavilion, Varsow, Poland, 11 - 22 Nov, 2013.
16. E. Assoumou, S. Bouckaert, A. Dubreuil, S. Selosse, N. Maïzi, Modeling water and energy interactions in the long run, United Nations Climate Change Conference, COP 18, Side Event, European Pavilion, Doha, Qatar, 26 Nov-8 Dec, 2012
17. N. Maïzi, Smart, Sustainable and Low-Carbon growth of electricity systems, European Side Event organized by France and ParisTech Chair Modeling for sustainable development. COP 18, Doha, Qatar, December 2012.
18. N. Maïzi Planning tools in the climate debate and business opportunities, Side Event long term prospective of business contribution to low carbon development joint Side Event organized by ICC and ParisTech Chair Modeling for sustainable development. COP 17, Durban, South Africa, December 2011.
19. N. Maïzi, M. Drouineau, E. Assoumou et V. Mazauric, Reliability versus low carbon issues. Third Annual Meeting of the International Research Network for Low Carbon Societies (LCS-RNet), Paris, France, October 2011.
20. M. Drouineau, N. Maïzi and V. Mazauric, "Optimization of future power systems focusing on reliability of supply, 2nd International Conference on Engineering Optimization (ENGOPT), Lisbon, Portugal, September 6-9, 2010.
21. Nadia Maïzi, Marc Bordier, Ahmadou Thiam, "Optimal operation and sizing of a set of cogenerations", 2nd International Conference on Engineering Optimization (ENGOPT), Lisbon, Portugal, September 6-9, 2010.
22. Nadia Maïzi, Sandrine Selosse and Edi Assoumou, "Power generation under post Copenhagen emission reduction pledges", 2nd International Conference on Engineering Optimization (ENGOPT), Lisbon, Portugal, September 6-9, 2010.
23. N. Maïzi, S. Selosse, E. Assoumou, "From announced targets to local circumstances : Europe versus France", ParisTech side event COP15 (Copenhagen Climate Change Conference), Dec 2009.
24. N. Maïzi, "Energy efficiency through Long term planning", RTCC side event COP13 UNFCCC (United nations Framework Convention on Climate Change Conference), Bali, 2007.
25. Vincent Mazauric, Nadia Maïzi, Gérard Meunier, Philippe Wendling, Marc Vilcot, "Energy efficiency and eco-design : Major Issues for Schneider Electric (invited speaker) : presented at United nations Framework Convention on Climate Change Conference, Nairobi, Kenya, 2006.
26. Nadia Maïzi Scientific computing helping energy efficiency, Invited session, Eden 2nd international workshop on Energy Awareness and Innovation, Oct 2005, Sophia-Antipolis.
27. Nadia Maïzi Assertion of the energy risk, Invited session, Eden 1st international workshop on Energy Awareness and Innovation, Oct 2004, Sophia-Antipolis.
28. Nadia Maïzi "A la croisée de l'économie, l'énergie, l'aide à la décision: une approche prospective du secteur de la production d'électricité en France" Conférence d'Ouverture 1ères Journées ATSB-ATTNA : Entre spécialisation et interdisciplinarité, Hammamet 2-3 Décembre 2006.

29. Nadia Maïzi, "Impact on future investments in the electricity production sector : The French paradigm ", Invited Speaker, Seventh International Symposium on Electric and Magnetic Fields, Aussois(France), 19-22 June 2006.
30. Nadia Maïzi, Robust Joint Torque Control using Variable Structure Control, *Ecole Polytechnique de Montréal, Nov 95*.

B-4. COMMUNICATIONS INTERNATIONALES

1. V. Krakowski, E. Assoumou, N. Maïzi, FRANCE perspectives and COP21 insights, 68th ETSAP Workshop, Oct 2015, Sophia-Antipolis, France.
2. F. Briens, N. Maïzi, Developing a Soft Linkage between a detailed dynamic Input-Output macroeconomic model and a MarkAl energy system mode, 66th IEA ETSAP Workshop, UN City, Copenhagen, 17-19 Nov 2014.
3. S. Postic, S. Selosse, N. Maïzi, TIMES-America Latina y el Caribe: a TIMES model dedicated to South America and the Caribbean, 66th IEA ETSAP Workshop, UN City, Copenhagen, 17-19 Nov 2014.
4. E. Stolyarova, H. Le Cadre, D. Osso, B. Allibe et N. Maïzi, Determinants of Household Energy Consumption in France: Behavior Approach, 6th FAEE Student Workshop, Paris, July 2014.
5. E. Assoumou, F. Gherzi, J.-C. Hourcade, N. Maïzi, S. Selosse, Reconciling top-down and bottom-up energy/economy models: A case of TIAM-FR and IMACLIM-R, ETSAP Workshop on Linking Energy Systems Models and Economic Models, Cork, Feb 4-5 2014.
6. E. Assoumou, N. Maïzi, S. Selosse, Renewables and future power systems: CMA's topics of interest for the ETSAP-IRENA session, IRENA / IEA-ETSAP Session: REMAP 2030, June 17-18, 2013
7. P. Hugues, E. Assoumou, N. Maïzi, "Bio-based chemicals and bioenergy production: long-term prospective analysis using a TIMES approach", 26th European Conference on Operational Research, EURO XXVI, Rome, Italie, juillet 2013
8. A. Wacziarg, N. Maïzi, P. Pourouchottamin "Looking Japan energy future after the 11th March 2011's earthquake", 25th European Conference on Operational Research, EURO XXV, Vilnius, Latvia, July 8-11, 2012.
9. N. Maïzi, E. Assoumou, V. Mazauric, "Future challenges for the French power generation paradigm", 25th European Conference on Operational Research, EURO XXV, Vilnius, Latvia, July 8-11, 2012.
10. P. Hugues, E. Assoumou, N. Maïzi, "GHG emissions cap impact on French biofuel mix using MARKAL/TIMES Model", 25th European Conference on Operational Research, EURO XXV, Vilnius, Latvia, July 8-11, 2012.
11. S. Bouckaert, E. Assoumou, N. Maïzi, "Smart grids and prospective modeling for the electricity sector", 25th European Conference on Operational Research, EURO XXV, Vilnius, Latvia, July 8-11, 2012.
12. Ahmadou Thiam, Nadia Maïzi, Marc Bordier, Optimality of a grid connected cogeneration park : an equivalent decomposition scheme, 7th International Congress on Industrial and Applied Mathematics (ICIAM 2011), July 2011, Vancouver.
13. V. Mazauric, L. Rondot, N. Maïzi, An Energy-Based Error Criterion for Transient Electrodynamical Applications, 7th International Congress on Industrial and Applied Mathematics (ICIAM 2011), July 2011, Vancouver.
14. N. Maïzi, M. Bossy, O. Pourtallier, R. Carmona, Carbon Allowances and Electricity Prices: a Game-theory Approach, to be presented at 7th International Congress on Industrial and Applied Mathematics (ICIAM 2011), July 2011, Vancouver.
15. J.M. Cayla, N. Maïzi, "Households under carbon constraint: What policies for a pathway toward low-carbon consumption in France ?", ETSAP Workshop, Stanford, July 2011.
16. Aurélie Dubreuil, Stéphanie Bouckaert, Sandrine Selosse, Edi Assoumou and Nadia Maïzi, Implementing water allocation in the TIAM-FR energy model, International Conference "Water and Energy", International Water Association and Waternetwerk, Amsterdam, The Netherlands, November 10-12, 2010.

17. Stéphanie Bouckaert, Sandrine Selosse, Aurélie Dubreuil, Edi Assoumou and Nadia Maïzi, "Implementing water allocation in the TIAM-FR energy model", ETSAP Workshop, Cork, November 2010.
18. E. Assoumou, G. Guerassimoff, S. Selosse and N. Maïzi, "ETSAP modeling tools : a bottom-up framework for energy issues", 24th European Conference on Operational Research, EURO XXIV, Lisbon, Portugal, July 11-14, 2010.
19. M. Drouineau, N. Maïzi and V. Mazauric, "Optimization of future power systems focusing on reliability of supply", 24th European Conference on Operational Research, EURO XXIV, Lisbon, Portugal, July 11-14, 2010.
20. V. Mazauric, M. Drouineau, N. Maïzi, "Energy transmission in electrical engineering : A multiscale approach", 24th European Conference on Operational Research, EURO XXIV, Lisbon, Portugal, July 11-14, 2010.
21. S. Selosse, E. Assoumou, N. Maïzi, "Regional impacts of post Copenhagen emission reduction pledges using TIAM-FR", 24th European Conference on Operational Research, EURO XXIV, Lisbon, Portugal, July 11-14, 2010.
22. J.M. Cayla, N. Maïzi, "Households under carbon constraint:TIMES model of French Residential and Transports sectors", ETSAP Workshop, Stockholm, June 2010.
23. G. Guerassimoff, E. Assoumou, N. Maïzi, "Biomass for energy uses : methodology and results for France", Joint TERI ETSAP Workshop, "Energy Modelling Tools and Techniques to address Sustainable Development and Climate Change, New Delhi, January 21-22, 2010
24. S. Selosse, N. Maïzi, E. Assoumou, "Regional impacts of the global carbon stakes : long term prospective with TIAM-FR", Joint TERI ETSAP Workshop, "Energy Modelling Tools and Techniques to address Sustainable Development and Climate Change, New Delhi, January 21-22, 2010.
25. Marc Bordier and Nadia Maïzi, "Marginal costs and Optimality for cogeneration systems", 23rd Conference on Operational Research, EURO XXIII, Bonn, Germany, July 5-8, 2009.
26. Olivier Davidau, Mireille Bossy, Nadia Maïzi and Odile Pourtallier, "Indifference prices for CO₂ emission allowances", 23rd Conference on Operational Research, EURO XXIII, Bonn, Germany, July 5-8, 2009.
27. M. Drouineau, V. Mazauric, and N. Maïzi, "Minimizing electrical losses in long-term power planning," presented at 23rd European Conference on Operational Research, EURO XXIII, Bonn, Germany, 2009.
28. Jean-Michel Cayla, Nadia Maïzi, Christophe Marchand and Edi Assoumou, "Households under carbon constraints and the burden sharing issue", International Energy Workshop, Fondazione Giorgio Cini, Venice, Italy, June 15-17, 2009.
29. Nadia Maïzi "Electricity Generation and renewables under carbon mitigation policies", Semi-annual Workshop, Sophia-Antipolis, France, 15-17 December 2008.
30. Nadia Maïzi, Marc Bordier, "Optimal operation mode for distributed cogeneration power plants" presented at 6th International Congress on Industrial and Applied Mathematics (ICIAM 2007), July 2007, Zurich.
31. Vincent Mazauric, Nadia Maïzi, "A global approach of electromagnetism dedicated to further long-term planning" presented at 6th International Congress on Industrial and Applied Mathematics (ICIAM 2007), July 2007, Zurich.
32. Nadia Maïzi, Edi Assoumou, Marc Bordier, Gilles Guerassimoff "Markal-Times assessment of long term CO₂ emissions targets for France", European Conference on Operational Research EURO XXII, Prague 8-11 July 2007.
33. Vincent Mazauric, Nadia Maïzi "Integrating network dynamics into long-term planning exercises", European Conference on Operational Research EURO XXII, Prague 8-11 July 2007.
34. C. Durville, M. Bossy, N. Maïzi, O. Pourtallier, D. Varone, "Optimal dynamic cross-pricing of CO₂ market by indifference price", European Conference on Operational Research EURO XXII, Prague 8-11 July 2007.

35. A. Djemaa, A. Hita, G. Guerassimoff, N. Maïzi "Modeling Energy Saving Potential In Industry, Case of the European Steel industry", Ecole d'automne Infratain, Infrastructure Regulation Modeling, and Policy, Berlin 1-6 Octobre 2007.
36. A Djemaa, A Hita, G. Guerassimoff, N. Maïzi "Modeling Energy Saving Potential in Industry", Ecole d'été de l'eccee (The European Council for an Energy Efficient Economy), 6-9 juin 2007.
37. Nadia Maïzi, Edi Assoumou, Marc Bordier, Gilles Guerassimoff, Vincent Mazauric "Energy mix planning for the French electricity production sector", European Conference on Operational Research Euro2006, Reykjavik 2-5 July 2006.
38. Vincent Mazauric, Philippe Wendling, Nadia Maïzi, "Variational formulation of electromagnetism dedicated to Energy Efficiency", 21st European Conference on Operational Research, July 2-5, 2006, Reykjavik, Iceland.
39. E. Assoumou, N. Maïzi, M. Bordier, G. Guerassimoff, "Long-term Energy modeling for the french electricity sector", ETSAP meeting, Nov 2004, Firenze.
40. M. Dagdelen, G. Reymond, A. Kemeny, M. Bordier, N. Maïzi, "MPC based Motion Cueing Algorithm: Development and Application to the ULTIMATE Driving Simulator", Proceedings of Driving Simulation Conference, Sept 2004, Paris.
41. C. Dumbs, N. Maïzi, F.P. Neirac, D. Mayer, Sizing and Optimized Control of PV-diesel hybrid energy systems. Design and performance analysis, 2ème congrès mondial sur l'énergie solaire photovoltaïque, Vienne, 6-10 July 1998.
42. N. Maïzi, S. Buresi, O. Khatib, Robust Joint Torque Control using Variable Structure Control, *Séminaire présenté à l'Ecole Polytechnique de Montréal, Nov 95.*

C-1. REVUES NATIONALES AVEC COMITÉ DE LECTURE

1. N. Maïzi, Pour une transition énergétique citoyenne, Futurible, Mars 2016.
2. V. Krakowski, E. Assoumou, N. Maïzi, Enjeux d'une transition vers une production d'électricité 100% renouvelable en France, dans Revue de l'Energie, No 627 (Septembre/Octobre 2015), pp. 381-394, 2015.
3. T. Le Gallic, E. Assoumou, N. Maïzi, Pierre Strosser. Les exercices de prospective énergétique à l'épreuve des mutations des modes de vie VertigO : La Revue Électronique en Sciences de l'Environnement, VertigO, 2015, Dossier : Transition énergétique : contexte, enjeux et possibilités, 14 (3), pp.[En ligne]. [10.4000/vertigo.15635](https://doi.org/10.4000/vertigo.15635);
4. N. Maïzi, Le réseau du futur pour les territoires intelligents, Enjeux, défis et prospective, Liaison Energie Francophonie, N° 93, pp 73 et 74, 1er trimestre 2013.
5. N. Maïzi, V. Mazauric, "Penser le long terme du secteur électrique pour réussir son efficacité énergétique," Enseigner l'Electrotechnique et l'Electronique Industrielle, vol. 64, pp. 57-60, 2011.
6. V. Mazauric, N. Maïzi, "Réussir l'efficacité énergétique du vecteur électrique: Enjeux, méthodologie, éco-conception, solutions, prospective," Revue d'Electricité et d'Electronique, vol. 5, pp. 111-119, 2008.
7. Nadia Maïzi, Edi Assoumou, "Modélisation prospective et spécificités de la politique énergétique française", J3eA 6, (2007).
8. Edi Assoumou, Marc Bordier, Gilles Guerassimoff, Cédric Grange, Nadia Maïzi "La famille MARKAL de modèles de planification énergétique : un complément aux exercices de modélisation dans le contexte français", Revue de l'énergie 558, Juillet - Août 2004.
9. Utilisation des langages réactifs synchrones pour la simulation d'un système multi-énergies, V. Roy, N. Maïzi, *Revue de l'électricité et de l'électronique*, N. 10, nov 2000.
10. A. Le Mouel, F. Neirac et N. Maïzi, Application d'une méthode de Réduction Hankel-optimale à la solution de l'Equation de la Chaleur, *Revue Générale de Thermique Française*, n° 389, Mai 1994, 336-344.
11. V. Roy, N. Maïzi, Utilisation des langages réactifs synchrones pour la simulation d'un système multi-énergies, *Revue de l'électricité et de l'électronique*, N. 10, nov 2000.

12. N. Maïzi, Réduction au sens de la norme de Hankel de modèles dynamiques de dimension infinie, *Thèse soutenue à l'Ecole des Mines de Paris*, 1992.

C-2. CONFÉRENCES INVITÉES NATIONALES

1. N. Maïzi, Des ambitions à la pratique : quelles perspectives pour une prospective des enjeux énergie /climat ?, Séminaire du LIED: "Modélisation et décroissance dans le cadre de la transition énergétique", Paris-Diderot, 5 Avril 2016.
2. N. Maïzi, Retour sur les fondamentaux de la prospective, Journée de la Chaire MPDD - EDF: Du bon usage des modèles et des scénarios énergétiques, 28 Janvier 2016.
3. N. Maïzi, Du bon usage des modèles technico-économiques de long terme : Comment réconcilier prospective et politique ?, Centre Koyré, Séminaire Changement climatique et Biosphère: Expertises, Futurs et Politiques, 21 Octobre 2015.
4. N. Maïzi, Prospective long terme et réconciliation des échelles de temps, Ateliers du LIED "Echelles des temps et transitions énergétiques", Paris-Diderot, 14 Octobre 2015.
5. N. Maïzi, Les enjeux technologiques de la négociation climat, Journée de la Chaire et du Mastère OSE, Sophia-Antipolis, 22 Septembre 2015.
6. N. Maïzi, Mais où est passée la croissance verte ?, Fondation Tuck, 29 Juin 2015.
7. N. Maïzi, L'objectif de 2 degrés Celsius et sa déclinaison régionale au prisme de Modèles Technico-Economiques, Journée de la Chaire MPDD, MINES ParisTech, 2 Mars 2015.
8. N. Maïzi, Focus sur les actions RetD et Académie du Plan Industriel Réseaux électriques intelligents, 28 Mai 2015, réunion Agrion, Paris.
9. N. Maïzi, What commitments for the future climate régime: long-term decoding using TIAM-FR (en collaboration avec S. Selosse) Atelier Quantification des différents types de contributions et capacité contributive des pays, Atelier thématique pour la préparation de la COP21, CGDD/MAE, 25 Juin 2014.
10. N. Maïzi, La transition énergétique au prisme des modèles de prospective: état de l'art et nouvelles frontières, Ecole des Ponts ParisTech, Champs Sur Marne, 11 Mars 2014.
11. N. Maïzi, Modélisation prospective et politiques de lutte contre le changement climatique: La question de l'eau, Fondaterra, UVSQ, Mantes la Jolie, 17 Décembre 2013.
12. N. Maïzi, Contrepoints aux visions ADEME 2030 et 2050, Journée ADEME, La transition énergétique au prisme des scénarios de prospective, 16 Septembre 2013.
13. N. Maïzi, Modélisation et Simulation de systèmes complexes: approches déterministes et stochastiques, table ronde Mathématiques de la Planète Terre, Ecole d'été CEMRACS 2013, Luminy, 23 Juillet 2013
14. N. Maïzi, Approches optimales pour l'évaluation de l'impact de la Demand Response sur le système électrique : visions de court et de long terme, Mini Symposium SMAI, 27 Mai 2013.
15. N. Maïzi, Synergies Eau et Energie, colloque "Eau & Energie" Fondation Danielle Miterrand, Marseille, 15 Mars 2013.
16. N. Maïzi, Scénarios de transition énergétique 2050 pour la France : réflexion prospective pour l'élaboration d'une transition intelligente, Séminaire de l'Académie des Technologies, 15 Janvier 2013.
17. N. Maïzi, Du bon usage des scénarios pour l'exercice de prospective long terme : ou comment élaborer une transition énergétique intelligente en France, " Regards croisés d'économistes, de parlementaires et de l'Administration sur la politique énergétique de la France et de l'UE : Quels scénarios et comment s'en servir ", Association des Economistes de l'Energie, 14 Novembre 2012.
18. N. Maïzi, Enjeux d'une prospective long terme : Smart grids et Smart Cities, Journées Mines Telecom, 13 Novembre 2012.
19. N. Maïzi, L'exercice prospectif et la fabrication de scénarios énergétiques : réflexion sur les approches 2050 pour la France, Séminaire " Prospective et scénarios énergétiques ", Fondation Tuck, 18 Octobre 2012.

20. N. Maïzi, Contraintes technologiques : conditions techniques d'une transition énergétique intelligente, Conférence plénière de la 4ème Journée de la Chaire ParisTech MPDD, "Enjeux Energie-Climat", MINES ParisTech, 3 Octobre 2012.
21. N. Maïzi, Modèles du long terme et paradigme optimal, Séminaire " Modèles : outil de prospectives et de convergence interdisciplinaire ", Paris-Diderot, 12 Juin 2012.
22. N. Maïzi, Les outils de la prospective long terme pour le business et l'efficacité énergétique, Conférence introductive de la Journée "Smart cities et prospective: une contribution à RIO+20", Schneider Electric, Rueil-Malmaison, 4 Juin 2012.
23. N. Maïzi, Scénarios post-nucléaires : éléments de cadrage. Journée de la Chaire Modélisation prospective au service du développement durable "Post Fukushima", Paris, 11 octobre 2011.
24. N. Maïzi, Penser le long terme du secteur électrique. Exposé d'ouverture Concordat GENELEC Janvier 2011.
25. Nadia Maïzi, Jean-Charles Hourcade, Les objectifs post Copenhague des pays émergents : regards croisés de scénarios prospectifs de TIAM-FR et d'IMACLIM. Journée de la Chaire Modélisation Prospective. 17 Nov. 2010.
26. N. Maïzi, Les modèles, outils de prospective dans le débat climatique. Décisions politiques et économiques face aux enjeux énergie-climat. Journée de l'Université TOTAL, 18 Février 2010.
27. N. Maïzi, Conférence Modélisation prospective et politiques de lutte contre le changement climatique, Fête de la Science (2009).
28. N. Maïzi, S. Selosse, G. Guerassimoff, Séminaire "Energie et Développement Durable", CERESUR, Université de la Réunion, 30 novembre 2009.
29. N. Maïzi, E. Assoumou, MARKAL/Times-France : résultats des exercices prospectifs. Conseil d'Analyse Stratégique (6 interventions en 2007, 2 en 2009).
30. N. Maïzi, E. Assoumou, Restitution des exercices de prospective France réalisés pour le CAS. Journées ADEME Prospective Bâtiment (18 Janvier 2008).
31. N. Maïzi, Modélisation prospective et développement durable, Conseil scientifique de Schneider Electric (4 septembre 2007).
32. N. Maïzi, E. Assoumou, M. Bordier, G. Guerassimoff, Une approche prospective utilisant le modèle MARKAL, Forum Interministériel sur la Prospective : Mars 2007.
33. Nadia Maïzi, Edi Assoumou, "Exercices prospectifs via le modèle MARKAL : spécificités françaises ?", Energie et développement durable, JEEA, Rennes, Mars 2007.
34. V. Mazauric, N. Maïzi, "Réussir l'efficacité énergétique du génie électrique: Enjeux, méthodologies, (éco-)conception, solutions, prospective (invité)," Journée technique SEE: Eco-conception et méthodologies de conception, quelques exemples de pratiques en génie électrique, Paris, France, 2006.
35. N. Maïzi, E. Assoumou, Prospective énergétique : Le modèle MARKAL, *Communication présentée à l'Observatoire de l'Energie, DGEMP*, 16 Mai 2005, Paris.
36. N. Maïzi, "Mathématiques dans l'industrie : la simulation de conduite automobile", Séminaire IREM (Institut de Recherche sur l'Enseignement des Mathématiques), Université de Nice-Sophia Antipolis, Janvier 2005.
37. N. Maïzi, La théorie des jeux dans le cadre du protocole de Kyoto, Séminaire Changement Climatique, Ecole des Mines de Paris, Février 2002.
38. N. Maïzi, V. Roy, Intégration d'Esterel/Lustre/Simulink en vue de la conception des systèmes hybrides : Application à un système d'alimentation en électricité, *conférence invitée au GDR Systèmes hybrides*, 12 Janvier 2001, Paris.
39. Nadia Maïzi, Anti son, *Séminaire invité dans le cadre du projet SOSSO*, Inria Rocquencourt, Novembre 1996.

C-3. COMMUNICATIONS NATIONALES

1. E. Stolyarova, H. Le Cadre, D. Osso, B. Allibe et N. Maïzi, Les choix énergétiques des ménages français dans le secteur résidentiel: approche par les modèles de choix discrets, ROADEF 2014, Bordeaux, 26 Février 2014.

2. M. Bossy, N. Maïzi, O. Pourtallier, Nash equilibria for coupling of CO_2 allowances and electricity markets, ESAIM proceedings, Actes de la SMAI, Nov 2013, Seignosse.
3. N. Maïzi, E. Assoumou, Prospective scenarios for France in 2050, Les Cahiers de la Chaire, Working Paper n° 2012-07.
4. E. Assoumou, N. Maïzi, Analysis of the effect of environmental policies on the allocation of natural gas across end-use sectors in France, Les Cahiers de la Chaire, Working Paper n° 2011-02.
5. M. Bossy, N. Maïzi, O. Pourtallier, L. Violeau, E. Assoumou, "Carbon pricing in the European carbon market context; An indifference pricing approach" and "Valeur carbone et objectifs de réduction pour la France", séminaire ADEME/CMA, Février 2011.
6. S. Selosse, E. Assoumou, N. Maïzi, "Engagements post COP 15 : Séquestration du carbone ou renouvelables?", Colloque "L'énergie par ses externalités" organisé à l'occasion des 10 ans du Mastère OSE (Optimisation des Systèmes Energétiques), Ajaccio et Corte, Corse, 5-7 mai 2010.
7. E. Assoumou, Gilles Guerassimoff, Nadia Maïzi, Marc Bordier, "Etudes de sensibilité pour la prospective électrique française l'aide du Modèle MARKAL", 4ème colloque MONDER, Martigny (Suisse), 8-11 Janvier 2006.
8. Nadia Maïzi, E. Assoumou, Marc Bordier, Gilles Guerassimoff, "Prospective énergétique : Le modèle MARKAL", présentation à la Direction Générale de l'Energie et des Matières Premières, DGEMP 16 Mai 2005.
9. Nadia Maïzi, La question de l'énergie plurielle dans le grand sud est, pp 50-51, Prospective Rhône-Alpes-Méditerranée, Hors Série, Novembre 2004.
10. E. Assoumou, N. Maïzi, M. Bordier, G. Guerassimoff, Energies renouvelables et modélisation Markal, Workshop CREDEN/EMP "La promotion de l'électricité verte", Ecole des Mines de Paris, Juin 2004.
11. E. Assoumou, N. Maïzi, M. Bordier, G. Guerassimoff, Energies renouvelables et modélisation Markal, Workshop CREDEN/EMP "La promotion de l'électricité verte", Ecole des Mines de Paris, Juin 2004.
12. N. Maïzi, La théorie des jeux dans le cadre du protocole de Kyoto, Séminaire Changement Climatique, Ecole des Mines de Paris, Février 2002.

D. RAPPORTS DE RECHERCHE, RAPPORTS D'ETUDES, MÉMOIRES

1. M. Bossy, N. Maïzi, O. Pourtallier, Modélisation de la valeur carbone, rapport de recherches INRIA, 12/2012.
2. N. Maïzi, De la dimension infinie à la dimension prospective : variations autour du paradigme d'optimalité, Mémoire d'Habilitation à diriger les recherches, ED STIC 84, Juillet 2012.
3. N. Maïzi, E. Assoumou, Scénarios prospectifs France à l'horizon 2050, Rapport à la commission Besson "Energie 2050", Décembre 2011.
4. M. Bossy, N. Maïzi, O. Pourtallier, L. Violeau, E. Assoumou, "Carbon pricing in the European carbon market context; An indifference pricing approach", Rapport de recherches, convention ADEME N0805 C 0098, Février 2011.
5. M. Bossy, O. Davidau, N. Maïzi, O. Pourtallier, "Valeur Carbone", Rapport de recherches, convention ADEME N0805 C 0098, Décembre 2009.
6. Améliorations de la modélisation Markal du secteur de l'électricité, E. Assoumou, M. Bordier, G. Guerassimoff, N. Maïzi, Rapport pour le Conseil Scientifique du Conseil Français de l'Energie, Aout 2005.
7. Modélisation Markal électrique Europe : avancement, E. Assoumou, M. Bordier, G. Guerassimoff, N. Maïzi, Rapport pour le Conseil Scientifique du Conseil Français de l'Energie, Aout 2005.
8. Using game theory for the electricity market, M. Bossy, N. Maïzi, G. J. Olsder, O. Pourtallier and E. Tanré (2004), Research Report INRIA RR-5274, 2004.
9. Etat de l'art sur la modélisation l'analyse et la commande des systèmes dynamiques hybrides, CMA, Février 2004, Rapport HYBRISIM, PREDIT.
10. Enjeux environnementaux et planification énergétique européenne, N. Maïzi, M. Bordier, E. Assoumou, G. Guerassimoff, Rapport pour le Conseil Scientifique du Conseil Français de l'Energie, Février 2004.

11. Markal : Une application au secteur de la production électrique en France, N. Maïzi, M. Bordier, C. Grange, G. Guerassimoff, Rapport pour le Conseil Scientifique du Conseil Français de l'Energie, Février 2004.
12. Anti son (II) : Expression du critère énergétique, Marc Bordier, Nadia Maïzi, *Rapport de Recherche EMP*, n° 30/96, Septembre 1996.
13. N. Maïzi, Réduction au sens de la norme de Hankel de modèles dynamiques de dimension infinie, *Thèse présentée à l'EMP*, 1992.
14. N. Maïzi, Réduction de modèle appliquée à une équation d'évolution de la chaleur, *Rapport de Recherche EMP*, n° 05/91, Avril 1991.

E. NOTES DE COURS

1. Programmation linéaire et applications énergétiques. Initiation à ampl, N. Maïzi, *Notes de cours mastère OSE*, Janvier 2001.
2. Notions d'Automatique Générale illustrées par `matlab`, N. Maïzi, *Notes de cours ISIA*, Janvier 1998.

DÉPÔT DE BREVET Procédé d'estimation de la stabilité d'un système électrique, II. Demande de brevet International déposé le 30 Novembre 2012 sous le numéro : PCT/EP2012/074161. Priorité : FR 11 661087 du 02.12.2011 Propriétaires : Schneider Electric Industries SAS/ARMINES. Inventeurs : N. Maïzi, M. Drouineau, V. Mazauric, S. Bouckaert.