

# Antoine Mandel

Maison des sciences économiques  
106-112 Boulevard de l'hôpital  
75647 Paris Cedex 13  
Antoine.Mandel@univ-paris1.fr  
www.univ-paris1.fr/recherche/page-perso/page/?uid=amandel

Born November the 30th  
1980  
French nationality

## EDUCATION :

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- 2007** Ph.D. in Applied Mathematics, Paris 1 University,  
Dissertation title: *General Equilibrium, New Markets and Climate Change Economics*.  
Advisor: Prof. Jean-Marc Bonnisseau:
- 2004** Master in Applied Mathematics, University Paris 1.
- 2002** Bachelor degree in Mathematics, University Paris 5.

## PROFESSIONAL APPOINTMENTS :

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- 2009-** Assistant professor University Paris 1 Panthéon-Sorbonne.
- 2009-** Research fellow, Paris School of Economics.
- 2009-2010** Adjunct professor at Sciences-Po Paris.
- 2007-2009** Post-doctoral fellow at the Potsdam Institute for climate impact research (PIK).
- 2004-2007** Teaching and Research assistant, University Paris 1 Panthéon-Sorbonne.

## JOURNAL PUBLICATIONS :

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- A. Mandel (2010) *Welfare improvement properties of an allowance market in a production economy*, forthcoming in the Annales d'économie et de statistique .
- A. Mandel, N. Botta (2009) *A note on Herbert Gintis' "Emergence of a Price System from Decentralized Bilateral Exchange."*, The B.E. Journal of Theoretical Economics: Vol. 9 : Iss. 1 (Topics), Article 44.
- A. Mandel (2009) *Changes in the firms behaviour after the opening of markets of allowances*. Economic theory, Vol.40(1), pp 1-25.
- A. Mandel (2008) *An index theorem for production economies with externalities*. Journal of Mathematical economics, Vol. 44(12), pp 1385-1397.

## OTHER PUBLICATIONS :

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C. Jaeger, G. Horn, T.Lux, D.Fricke, S. Fuerst, W.Lass, L. Lin, A. Mandel, F. Meissner, S. Schreiber, D. Vesper, R. Zwiener (2009) *From the financial crisis to sustainability*, joint report to the german ministry of the environment.

A. Mandel, T. Brenner, C. Dibble, J. Helgeson, M. Hofmann, C. Jaeger, K. Lindgren, M. Marsili, B. Parris, D. Pumain, G. Silverberg, Y. Zhou (2008) *Report of the working group "Modelling innovative regions" of the 98th Dahlem conference "Is there a mathematics of social sciences ?"*.

## WORKING PAPERS :

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N. Botta, A. Mandel, C. Ionescu, M. Hoffmann, D. Lincke, S. Schupp, C. Jaeger (2009) *Computational patterns in exchange economy models.*, submitted to Applied Mathematics and Computation.

A. Mandel, S. Fuerst, W. Lass, F. Meissner and C. Jaeger (2009) *Lagom generiC an agent-based model of growing economies*, European Climate Forum working paper 1/2009.

A. Mandel (2007) *Production externalities and expectations, application to the economics of climate change*, Cahiers bleus de la MSE, 2007.28.

A. Jamin and A. Mandel (2006) *A general equilibrium analysis of emission allowances*, Cahiers bleus de la MSE, 2006.03

## CONFERENCE PRESENTATIONS :

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Workshop "Type Theory and Sustainability Modeling", Potsdam, October 2009.

Workshop "Towards a new economic theory", London, September 2009.

Workshop "Agent-based Modelling and Sustainable Development", Venice, April 2009

Spring school "Mathématiques et décision pour le développement durable," Cargèse, April 2009.

Seminar University of Maryland, March 2009.

"PIK research days", Potsdam, November 2008.

Seminar, Bielefeld University, June 2008.

Seminar Paris 1 University, May 2008.

Workshop Economic behavior and interactions model, Paris, April 2008.

RTP Mathématiques et décision pour le développement durable, Paris, January 2008

XVI European Workshop on General Equilibrium, Warwick, June 2007.

Workshop Mathematics and the Environment, Banff, Canada. May 2007.

Seminar Potsdam Institute for Climate Impact Research (PIK) , April 2007.

SMAI Conference on optimization and decision, IHP Paris, April 2007 (Poster)

Adres Doctoral days, University Paris 9 Dauphine. January 2007

Workshop Economic behavior and interactions model, Bielefeld, December 2006.

Franco-Chilean optimisation days, University of Burgundy, January 2006.

#### SHORT VISITS:

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Invited by Carlo Jaeger at the Potsdam Institute for Climate Impact Research (one week), October 2009.

Invited by Catherine Dibble at Aikilabs/the university of Maryland (one week), March 2009.

“Visiting Scholar” , Brown University, Providence, Rhode Island,U.S.A (two months), April-June 2006.

#### REFERENCES :

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Professor Jean-Marc Bonnisseau  
University Paris 1, Paris School of Economics  
jean-marc.bonnisseau@univ-paris1.fr

Professor Carlo Jaeger  
Potsdam Institut for Climate Impact Research (PIK)  
carlo.jaeger@pik-potsdam.de