Scientific Research



Search Keywords, Title, Author, ISBN, ISSN

Ho	ome Jou	urnals	Books	Conferences	News	About Us		Jobs	
Home > Journal > Business & Economics Computer Science & Communications > IIM						Open Special Issues			
Indexing View Papers Aims & Scope Editorial Board Guideline Article Processing Charges						Published Special Issues			
IIM> Vol.2 No.2, February 2010						Special Issues Guideline			
	OPEN GACCESS A Nonlinear Control Model of Growth, Risk and Structural Change						IIM Subscription		
 PDF (Size: 297KB) PP. 80-89 DOI: 10.4236/iim.2010.22010 Author(S) P. E. Petrakis, S. Kotsios ABSTRACT Uncertainty is perceived as the means of removing the obstacles to growth through the activation of Knightian entrepreneurship. A dynamic stochastic model of continuous-time growth is proposed and empirically tested, including equilibrating and creative entrepreneurial activity. We find that uncertainty affects economic growth and the rate of return, and causes structural changes in portfolio shares for the two types of entrepreneurial events. Structural change depends mainly on the intertemporal rate of substitution, productiv-ity ratios, and finally intersectoral difference in return and risk. KEYWORDS Growth, Risk, Entrepreneurship, Structural Change 						Most popular papers in IIM			
						About IIM News			
						Frequently Asked Questions			
						Recommend to Peers			
						Recommend to Library			
						Contact Us			
						Downloads:	144,1	103	
Cite this paper P. Petrakis and S. Kotsios, "A Nonlinear Control Model of Growth, Risk and Structural Change," <i>Intelligent</i> <i>Information Management</i> , Vol. 2 No. 2, 2010, pp. 80-89. doi: 10.4236/iim.2010.22010.						Visits:	351,C)47	
[1]	References [1] P. Petrakis, "Entrepreneurship and growth: Creative and equilibrating events," Small Business Economics, Vol. 9 No. 5, pp. 383–402, 1997.						Sponsors >>		
[2] F. Montobbio, " An evolutionary model of industrial growth and structural change," Structural Change and Economic Dynamics, No.13, pp. 387–414, 2002.									
[3] W. J. Baumol, " Macroeconomics of unbalanced growth: The anatomy of urban crisis," American Economic Review 57, pp. 415– 426, 1967.									
	[4] W. J. Baumol, S. A. B. Blackman, and E. N. Wolff, "Unbalanced growth revisited: Asymptotic stagnancy and new evidence," American Economic Review, No. 75, pp. 806–817, 1985.								
	5] S. Kuznets, " Economic growth and nations: Total output and production structure," Cambridge University Press, Cambridge, 1971.								
] S. Kuznets., " Economic development, the family and income distribution. selected essays," Cambridge University Press, Cambridge, 1988.								
[7]	J. S. Metcalfe, " Evolutionary economics and creative destruction," Routledge, London, 1998.								
	J. S. Metcalfe, "Restless capitalism: Increasing returns and growth in enterprise economics," Mimeo, CRIC, Manchester, March 1999.								
[9] L. Passinetti, " Structural change and economic growth: A theoretical essay on the dynamics of the wealth of nations," Cambridge University Press, Cambridge, 1981.									
 [10] L. Passinetti, " Structural change and economic dynamics," Cambridge University Press, Cambridge, 1993. 									

- [11] S. J. Turnovsky, " Methods of macroeconomic dynamics," MIT Press, Cambridge, 2000.
- [12] R. J. Lucas, " On the mechanics of economic development," Journal of Monetary Economics, No. 22,

pp. 3– 42, January 1988.

- [13] P. M. Romer, "Increasing returns and long-run growth," Journal of Political Economy, Vol. 94, No. 5, pp. 1002–1037, 1986.
- [14] P. M. Romer, " Endogenous technological change," Journal of Political Economy, Vol. 98, No. 5, pp. S71–102, 1990.
- [15] I. M. Kirzner, " Competition and Entrepreneurship," University of Chicago Press, Chicago, 1973.
- [16] R. G. Holcombe, "Entrepreneurship and economic grow- th," Quarterly Journal of Austrian Economics, Vol. 1, No. 2, pp. 45–62, Summer 1998.
- [17] T. F. L. Yu, " Entrepreneurial alertness and discovery" Review of Austrian Economics, Vol. 14, No. 1, pp. 47–63, 2001a.
- [18] J. Schumpeter, "The instability of capitalism," The Economic Journal, No. 38, pp. 361–386, Vol. 123, No. 2, pp. 297–307, 1928.
- [19] T. F. L. Yu, "An entrepreneurial perspective of institutional change," Constitutional Political Economy, Vol. 12, No. 3, pp. 217–236, 2001b.
- [20] H. Westlund and R. Bolton, "Local social capital and entrepreneurship," Small Business Economics, No.21, pp. 77–113, 2003.
- [21] G. Dosi and F. Malebra, " Organizational learning and institutional embeddedness. In: Organization and strategy in the evolution of the enterprise," Macmillan, London, pp. 1– 24, 1996
- [22] M. Brouwer, "Entrepreneurship and uncertainty: innovation and competition among many," Small Business Economics, Vol. 15, No. 2, pp. 149– 160, 2000.
- [23] F. H. Knight, "Risk, uncertainty and profit," Houghton Mifflin, New York, 1921.
- [24] P. Aghion and P. Howitt, " Endogenous growth theory," MIT Press, Cambridge, 1998.
- [25] D. Audretch, " An empirical test of the industry life cycle," Welwirtschaftliches Archiv, 1987.

Home | About SCIRP | Sitemap | Contact Us Copyright © 2006-2013 Scientific Research Publishing Inc. All rights reserved.