

## *Curriculum Vitae Adam Szirmai*

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- August 31 - present : Professorial Fellow UNU/MERIT  
Professor of Development Economics, Maastricht Graduate School of Governance, Maastricht University
- March - August 2005 : Visiting Fellow, Economic Growth Centre, Yale University  
January 1995- Jan 2005 : Chairman Department of Technology and Policy, Faculty of Technology Management, Eindhoven University of Technology.
- July-August 2002 : Productivity Consultant, ILO, for Caribbean Labour Market Project, CLMIS.
- April-July 2001 : Visiting Research Fellow, School of Management and Economics, Beijing University of Aeronautics and Astronautics
- August-December, 2000 : Visiting Fellow, Research School of Pacific and Asian Studies, Australian National University
- June 1998-September 2000 : Scientific Director, Eindhoven Centre for Innovation Studies  
September 1994-August 2007 : Professor of Technology and Development Studies, Faculty of Technology Management, Eindhoven University of Technology
- April 1994 and April 1996 : Visiting Research Fellow, School of Management, Beijing University of Aeronautics and Astronautics.
- June 1993 : Visiting Researcher, Faculty of Economics, Universitas Indonesia.
- May 1993 : Visiting Researcher, Research School of Pacific Studies, Australian National University
- 1989 - 1994 : Associate professor of Development Economics, Department of Economics, University of Groningen
- 1986 : Doctoral Dissertation accepted 'cum laude' in the Department of Social Sciences of the University of Groningen. Title of dissertation: "Inequality Observed, A Study of Attitudes towards Income Inequality"
- 1983 - 1989 : Assistant professor of Development Economics, Department of Economics, University of Groningen
- 1982 - 1983 : Assistant professor of Economic Sociology, Department of Economics, University of Groningen
- 1981 - 1982 : Research Fellow at the Netherlands Institute for Advanced Studies in Humanities and the Social Sciences (NIAS)
- 1977 (July) : post-doctoral courses in statistics at Essex University, England (Essex Summer School in Social Science Data analysis and Collection)
- 1975 - 1981 : Assistant professor of Economic Sociology, Department of Economics, University of Groningen
- 1970 - 1974 : employed as student assistant at the Sociological Institute, University of Amsterdam
- 1967 - 1974 : studied Sociology, University of Amsterdam (doctoral exam "cum laude")
- 1965 - 1967 : studied Law at the University of Amsterdam (candidates exam)
- 1964 - 1965 : studied Economics, American history and American literature at Dartmouth College, Hanover, N.H., U.S.A. (Rufus Choate Honours Award)

## **Publications**

### **Books**

- Szirmai, A., *The Dynamics of Socio-Economic Development. An Introduction*, Cambridge, Cambridge University Press, 2005 (711 pp).
- Szirmai, A. and P. Lapperre (eds), *The Industrial Experience of Tanzania*, Houndmills/ Basingstoke, Palgrave, 2001 (411 pp).
- Szirmai, A., B. Verspagen and J. Halman (eds), *Innovation in Theory and Practice*, Eindhoven, Eindhoven Centre for Innovation Studies, 1999.
- Szirmai, A. *Economic and Social Development. Trends, Problems and Policies*, London, New York, Prentice Hall, 1997, 483 pp (ISBN 0-13-358003-2)
- Szirmai, A., *Ontwikkelingslanden - Dynamiek en Stagnatie* (Developing Countries - Dynamics and Stagnation), Groningen, Wolters-Noordhoff, Groningen, Augustus, 1994 (540 pp.).
- Szirmai, A., B van Ark and D. Pilat (eds), *Explaining Economic Growth. Essays in Honour of Angus Maddison*, Elsevier/North Holland, 1993 (500 pp.)
- Szirmai, A., *Inequality Observed. A Study of Attitudes towards Income Inequality*, Aldershot, Avebury Press, 1988 (550 pp.).

### **Work in progress and recent papers:**

- Kesidou, E. & A. Szirmai Local, Knowledge Spillovers, Innovation and Economic Performance in Developing Countries: A discussion of alternative specifications, UNU-MERIT working paper, 2008-033.
- Wang, Lili, and A. Szirmai, Regional Capital Inputs in Chinese Industry and Manufacturing, 1978-2003, UNU-MERIT, Working Paper, 2008-028, Maastricht, 2008 (44 pp.), also published as Groningen Growth and Development Centre, Working Paper, GD-99, Groningen, 2008.
- Wang, L. and A. Szirmai, Regional Productivity Trends in Chinese Manufacturing, Paper for International Conference on Experiences and Challenges in Measuring National Income and Wealth in Transition Economies, IARIW/National Bureau of Statistics, September 19-21, 2007, Beijing, China
- Rooks, G., A. Szirmai and A. Sserwanga, The Interplay of Human and Social Capital in Entrepreneurship in Developing Countries. The Case of Uganda, Paper prepared for the UNU-WIDER Conference on Entrepreneurship and Economic Development, Helsinki, 21-23 August, 2008
- Szirmai, A. Manufacturing as an Engine of Growth in Developing Countries, mimeo.
- Szirmai, A, Explaining Success and Failure in Development, UNU-MERIT Working Paper, 2008-013, Maastricht 2008 (46 pp.), also published as Inaugural lecture, Maastricht University, Maastricht 2008.
- Van Dijk, M., and A. Szirmai, The Micro-Dynamics of Catch Up in Indonesian Paper Manufacturing: An International Comparison of Plant-Level Performance , UNU-MERIT, Working Paper, 2007-10.

### **Articles in books and journals**

- Wang Ling and A. Szirmai, 'Technological inputs and productivity growth in High-tech industries' *China Economic Quarterly*, Vol.7, No.3, pp913-932.
- Wang, Lili. and A.Szirmai, 'Productivity Growth and Structural Change in Chinese Manufacturing, 1980-2002', *Industrial and Corporate Change*, 17 (4), 2008, pp. 841-874.
- Kesidou, E. and A.Szirmai, *The European Journal of Development Research*, Volume 20 (2), June 2008 , pages 281 - 298.

- Szirmai, A, Explaining Success and Failure in Development, Inaugural Lecture, University Of Maastricht, February, 2008, ISBN,
- Szirmai, A. and R. Ren, *Measuring Labour Productivity in Chinese Manufacturing: Statistical Problems and Solutions*, B. Pant, eds, *National Accounts of the People's Republic of China. Measurement Issues, Recent Developments and the Way Forward*, Asian Development Bank, 2007, pp. 58-113.
- Jacob, J. and A. Szirmai, 'International knowledge spillovers to developing countries: the case of Indonesia', *Review of Development Economics*, 11 (3), August, 2007, pp. 550-565.
- Dijk, M. van, and A. Szirmai, 'Industrial Policy and Technology Diffusion in Developing Countries: Paper Making Machinery in Indonesia, 1923-2000', *World Development*, December, 34, No. 12, 2006, pp. 2137-2152.
- Dijk, M. van, and A. Szirmai, 'Technical Efficiency and Embodied Technical Change in the Indonesian Pulp and Paper Industry', *Journal of International Development*, 18, 2006, pp. 163-178, .
- Jonker, M., H. Romijn and A. Szirmai, 'Technological Effort, Technological Capabilities and Economic Performance in Manufacturing in Developing Countries', *Technovation*, 26, 2006, pp. 121-134.
- Wang, L and A. Szirmai, 'Comparative Analysis of Capital Productivity in China's High-Tech Industries', *China and World Economy*, Vol.13, No.2 March - April 2005
- Ren, R. and A. Szirmai, 'Evaluation of Chinese Growth Rates for Manufacturing GDP', in Yue Ximing, Zhang Shguang, Xu Xianchun (eds), *The Growth Rate of the Chinese Economy, Research and Discussion*, Beijing, Citic Publishing House, 2005, pp. 211-226 (in Chinese).
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- Szirmai, Adam, Bai, Manyin and Ren, Ruoan, Labour Productivity Trends in Chinese Manufacturing, 1980-99', *China Economic Quarterly*, 1 (4), July, 2002, pp. 863-881 (in Chinese).
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- Brink, J. van den, and A. Szirmai, 'The Tanzanian Scrap Cycle', *Technovation*, 22, 2002, pp. 187-197.
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- Szirmai, A. and P.E. Lapperre, 'Introduction', in: A. Szirmai and P. Lapperre (eds), *The Industrial Experience of Tanzania*, Houndmills/ Basingstoke, Palgrave, 2001, pp. 1-8.
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- Szirmai, A. and D. Pilat, 'Comparisons of Purchasing Power, Real Output and Labour Productivity in Manufacturing in Japan, South Korea and the USA, 1975-85', *Review of Income and Wealth*, Series 36, Number 1, March 1990, pp. 1-31 (rewarded the John Kendrick prize for the best article in the Review in 1990).
- Szirmai, A., Social Stratification and Social Coordination, *Sociologisch Tijdschrift*, 1986, vol. 12, nr. 4, February 1986, pp. 710-752.
- Szirmai, A., 'How do we Really Feel about Income Equalization', *The Netherlands Journal of Sociology*, vol. 20, no. 2, October 1984, pp. 115-133.
- Szirmai, A., 'Wat vinden wij werkelijk van de inkomensnivellering?' [How do we Really Feel about Income Equalization], *De Gids*, jrg. 146, nr. 2/3, 1983, pp. 143/156.
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- Szirmai, A., Matigingsbereidheid en het dilemma der gevangenen [attitudes towards wage moderation and the prisoners' dilemma], *Economisch Statistische Berichten*, 23-9-1981, pp. 912-919.
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- Szirmai, A., 'Impressions of a Symposium', in T. Huppes, ed., *Economics and Sociology. Towards an Integration*, Leiden, Stenfert Kroese, 1977.
- Szirmai, A., Integratie tussen economie en sociologie [integration between economics and sociology]: *Amsterdams Sociologisch Tijdschrift*, derde jrg. nr. 1, mei 1976, pp.89-99.
- Szirmai, A., with J. Donkers, Pleidooi voor reikwijdte in de Sociologie, *De Revisor*, 3 juli 1975, pp. 45-52 (Review article).
- Szirmai, A., with J. Donkers, Wertheim en het geloof in de vooruitgang [Wertheim's Belief in Human Progress], *De Gids*, 1972, nr. 4, pp. 338-346 (Review article).

### **Working Papers/Reports/Book Reviews/ Conference Papers**

- Kesidou, E. & A. Szirmai Local, Knowledge Spillovers, Innovation and Economic Performance in Developing Countries: A discussion of alternative specifications, UNU-MERIT working paper, 2008-033.
- Wang, L, and A. Szirmai, Regional Capital Inputs in Chinese Industry and Manufacturing, 1978-2003, UNU-MERIT, Working Paper, 2008-028, Maastricht, 2008 (44 pp.), also published as Groningen Growth and Development Centre, Working Paper, GD-99, Groningen, 2008.
- Szirmai, A, Explaining Success and Failure in Development, UNU-MERIT Working Paper, 2008-013, Maastricht 2008 (46 pp.), also published as Inaugural lecture, Maastricht University, Maastricht 2008.
- Kesidou, E, and A. Szirmai, Local Knowledge Spillovers, Innovation and Economic Performance in Developing Countries Empirical Evidence from the Uruguay Software Cluster, Paper for UNU-MERIT conference on: "*Micro Evidence on Innovation in Developing Economies*" Maastricht (Netherlands), May 31 & June 1, 2007.
- Van Dijk, M., and A. Szirmai, The Micro-Dynamics of Catch Up in Indonesian Paper Manufacturing: An International Comparison of Plant-Level Performance , UNU-MERIT, Working Paper, 2007-10.
- Szirmai, A. *Explaining Success and Failure in Development. The Developing World during the Post War Period and Outlook to 2030*, paper for the Conference World Economic Performance, Past, Present and Future, Groningen, October, 2006.
- Dijk, M. van, and A. Szirmai, The Micro-Dynamics of Catch Up in Indonesian Paper Manufacturing: An International Comparison of Plant-Level Performance, Paper prepared for the Globelics Conference Innovation Systems for Competitiveness and Shared Prosperity in Developing Countries October 4-7. 2006, Trivandrum, Kerala, India
- Jacob, J. and S. Szirmai, International Knowledge Spillovers to Developing Countries. The Case of Indonesia, Paper for the 2006 Intermediate Input-Output Meeting, Sendai, July, 26-28, 2006
- Wang, Lili, and A. Szirmai, Productivity Growth and Structural Change in Chinese Manufacturing, 1980-2002, Paper for the 11<sup>th</sup> Conference of the International Schumpeter Society, Sophia Antipolis, 21-24 June, 2006.
- Jacob, J. and A. Szirmai, International Trade and Knowledge Spillovers: The Case of Indonesian Manufacturing, ECIS working paper, 2006-1, Eindhoven, 2006.
- Szirmai, A, R. Ren and M. Bai, Chinese Manufacturing Performance in Comparative Perspective, 1980-2002, Yale Economic Growth Center, Discussion Paper No. 920, July, 2005.

- Dijk, M. van and A. Szirmai, Exploring The Micro Dynamics of Catch Up in Indonesian Paper Manufacturing. An International Comparison of Plant Level Performance using Census Data, paper presented at the Conference: The Measurement and Analysis of Innovation and Productivity Growth, Groningen, 10-11 November, 2005.
- Szirmai, A., Book review of Th. J. Misa, Ph. Brey and A. Feenberg (eds), *Modernity and Technology*, The MIT Press, Cambridge Mass., 2003, in *Development and Change*, May, 2005, p. 608-610.
- Szirmai, A, R. Ren and M. Bai, China in the Structure of World Manufacturing, Paper prepared for the conference Transition, Growth and Globalisation. An International Conference on the Chinese Economy, Perth, 7/8 July 2005.
- Dijk, M. van, and A. Szirmai, Industrial Policy and Technology Diffusion: Evidence from Paper Making Machinery in Indonesia, ECIS Working Paper 5,15, Eindhoven 2005
- Dijk M.v. and A. Szirmai, Catch Up at the Micro-Level: Evidence from an Industry Case Study Using Manufacturing Census Data, Paper prepared for Dynamics, Economic Growth, and International Trade, DEGIT – X, Mexico City, June 3-4, 2005
- Jacob, J. and A. Szirmai, *International Knowledge Spillovers to Developing Countries: the Case of Indonesia*, Paper for the IARIW Conference, Cork, August 2004.
- Jacob, J. and A. Szirmai, Stages of Industrialisation, Export and Technology Diffusion. The Case of Indonesian Manufacturing, paper for the Schumpeter conference Milan, June, 2004.
- Dijk, M. van, and A. Szirmai, *Industrial Policy and Technology Diffusion in Developing Countries: Paper Making Machinery in Indonesia, 1923-2000*, paper for the Schumpeter conference Milan, June 2004
- Wang, L, and A. Szirmai, *Technological Inputs and Productivity Growth in China's High-Tech Industries*, ECIS Working Paper, Eindhoven, December 2003.
- Dijk, M. and A. Szirmai, Long-Run Productivity Trends at the Plant Level. Evidence from the Indonesian Pulp and Paper Industry, 1975-97, Paper presented at the 2<sup>nd</sup> Hellenic Workshop on Efficiency and Productivity Management (HEWPEM), Department of Economics, University of Patras, Greece, May 30- June 1, 2003.
- Szirmai, A., Review of Deepak Lal, *The Poverty of 'Development Economics'*, Second Revised and Expanded U.S. edition, Cambridge, Massachusetts/London, England, The MIT Press, 2000 (xx + 175 pp.), *The Record*, December 2002, pp.490-2.
- Szirmai, A., *Methodological Guidelines for Computing KILM Labour Productivity Indicators for the Manufacturing Sector and the Total Economy*. Paper prepared for the Caribbean Labour Market Information System Project (CLMIS), Eindhoven University of Technology 28 July 2002 (32 pp. )
- Francis K. Yamfwa, Adam Szirmai and Chibwe Lwamba: *Zambian Manufacturing Performance in Comparative Perspective*, ECIS working paper, 02-21, December 2002 (also published as Groningen Growth and Development Centre Working Paper, GD 53).
- Szirmai, A., M. Prins and W. Schulte, *Tanzanian Manufacturing in Comparative Perspective*, Groningen Growth and Development Centre, Working Paper GD 59, Groningen, November 2002.
- Ruoen, R., A. Szirmai and M. Bai, *How Productive is Chinese Manufacturing?* 27th General Conference IARIW, Stockholm, August 2002.
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- Szirmai, Adam, Francis Yamfwa and Chibwe Lwamba, *Zambian Manufacturing in Comparative Perspective*, Working Paper GD 59, Groningen, January 2002.
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Trade and Development, Division of Economics, Research School of Pacific and Asian Studies,  
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- Timmer M.P and A. Szirmai, 'Australian Manufacturing Performance in International Perspective, paper presented at CSAAR seminar Asian Economies in the Twentieth Century, Griffiths University, Brisbane, November 1997.
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- Szirmai, A., *Ontwikkelingsvraagstukken. Een Inleiding*, Dl. I., 2e herziene druk, Groningen, Werkgroep Ontwikkelingsvraagstukken, 1992 (205 pp.).
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