

HIRO IZUSHI

WORK ADDRESS

Economics and Strategy Group
 Aston Business School
 Aston Triangle, Birmingham B4 7ET, UK
 Phone +44 (0)121 204 3324 Fax +44 (0)121 204 3306 Email h.izushi@aston.ac.uk

QUALIFICATIONS

Ph.D. in City and Regional Planning, *University of California at Berkeley*
 Major Fields: Technological Innovation and Regional Economic Development

HONOURS

Nitobe Fellowship for Japanese Social Scientists, International House of Japan

PRESENT APPOINTMENT

October 2005 - present Senior Lecturer in Innovation

Economics and Strategy Group, Aston Business School

Themes of current research include: (1) the knowledge-based economy and knowledge-based growth; (2) external knowledge sourcing behaviours of firms; and (3) industry evolution and cross-sectoral transfer of skills and knowledge. Other current responsibilities include module leader of 'Management of Innovation' and 'Innovation and Entrepreneurship' taught to MBA/MSc students and 'Value-Based Management' to undergraduate students, and supervision of MBA/MSc dissertations.

PROFESSIONAL CAREER

October 1998 – September 2005 Senior Lecturer

Centre for Local Economic Development, Coventry Business School

October 1996 – September 1998 Research Fellow

Department of City and Regional Planning, Cardiff University

April 1994 – August 1996 Academic Visitor

Bartlett School of Planning, University College London

March 1992 – August 1993 Industrial Development Planner

United Nations Centre for Regional Development, Nagoya

August 1990 – February 1992 Graduate Researcher

Institute of Urban and Regional Development, University of California at Berkeley

PUBLICATIONS

BOOKS

Robert Huggins and Hiro Izushi (2011) *Competition, Competitive Advantage, and Clusters: The Ideas of Michael Porter*, Oxford, Oxford University Press.

Robert Huggins and Hiro Izushi (2007) *Competing for Knowledge: Creating, Connecting, and Growing*, Routledge, London

PEER REVIEWED JOURNAL ARTICLES

Robert Huggins and Hiro Izushi (forthcoming) 'Knowledge-based development in leading regions across the globe: an exploratory analysis of the co-evolution of resources, capabilities, and outputs', *Urban Studies*.

Robert Huggins and Hiro Izushi (2009) 'Regional benchmarking in a global context: knowledge, competitiveness, and economic development', *Economic Development Quarterly*, 23(4), 275–293.

Hiro Izushi (2008) 'What does endogenous growth theory tell about regional economies? Empirics of R&D worker-based productivity growth', *Regional Studies*, 42(7), 947–960.

Robert Huggins and Hiro Izushi (2008) 'Benchmarking the knowledge competitiveness of the globe's high performing regions: a review of the World Knowledge Competitiveness Index', *Competitiveness Review*, 18(1/2), 70–86.

Hiro Izushi and Yuko Aoyama (2006) 'Industry evolution and cross-sectoral skill transfers: a comparative analysis of the video game industry in Japan, the United States, and the United Kingdom', *Environment and Planning A*, 38(10), 1843–1861.

Hiro Izushi (2005) 'Creation of relational assets through 'library of equipment' model: industrial modernisation approach of Japan's local technology centres', *Entrepreneurship and Regional Development*, 17(3), 183–204.

Hiro Izushi (2003) 'Impact of the length of relationships upon the use of research institutes by SMEs', *Research Policy*, 32(5), 771–788.

Yuko Aoyama and Hiro Izushi (2003) 'Hardware gimmick or cultural innovation? Technological, cultural, and social foundations of the Japanese video game industry', *Research Policy*, 32(3), 423–444.

Hiro Izushi (2002) "'Voice' approach of trade associations: support for SMEs accessing a research institute", *Environment and Planning C: Government and Policy*, 20(3), 439–454.

Robert Huggins and Hiro Izushi (2002) 'The digital divide and ICT learning in rural communities: examples of good practice service delivery', *Local Economy*, 17(2), 111–122.

Hiro Izushi and Dylan Henderson (2000) 'Designing learning networks in peripheral regions: comparison of two models', *Environment and Planning C: Government and Policy*, 18(6), 697–710.

Hiro Izushi (1999) 'Can a development agency foster co-operation among local firms? The case of the Welsh Development Agency's Supplier Association Programme', *Regional Studies*, 33(8), 739–750.

Hiro Izushi and Kevin Morgan (1998) 'Management of supplier associations: observations from Wales', *International Journal of Logistics: Research and Applications*, 1(1), 75–91.

Hiro Izushi (1997) 'Conflict between two industrial networks: technological adaptation and inter-firm relationships in the ceramics industry in Seto, Japan', *Regional Studies*, 31(2), 117–129.

Fumio Hasegawa, Yuichi Nakamura and Hiro Izushi (1985) 'A method of the block identification based on OD data matrix', *The Society of Instrument and Control Engineers Monthly Report*, 21(5), 469–474.

Fumio Hasegawa, Yuichi Nakamura and Hiro Izushi (1985) 'Study on the identification of regional blocks', *Operations Research*, 30(2), 109–114.

Fumio Hasegawa, Yuichi Nakamura and Hiro Izushi (1984) 'A comparative study on identification of communication networks based on origin-destination data matrix in Japan's telephone and postal systems', *Japan Society of Information and Communication Research Annual Report*, 1, 21–41.

Fumio Hasegawa, Yuichi Nakamura and Hiro Izushi (1983) 'A study of the relationship between the distribution of telecommunication traffic and the urban structure', *Papers of the Annual Conference of the City Planning Institute of Japan*, 18, 67–72.

Yuichi Nakamura, Fumio Hasegawa and Hiro Izushi (1983) 'A telecommunication-based study of the connection between prefectures in Japan', *Papers of the Annual Conference of the City Planning Institute of Japan*, 18, 73–78.

BOOK CHAPTERS

Yuko Aoyama and Hiro Izushi (forthcoming) 'Innovation, industry evolution, and cross-sectoral skill transfer in the video game industry: a three country study', Frank Giarratani, Geoff Hewings and Philip McCann (eds.) *Handbook of Economic Geography and Industry Studies*, Edward Elgar, Cheltenham.

Hiro Izushi (2012) 'Regional development policy in the knowledge economy: cases of post-cluster policy in the UK and the potential for its adaptation to Japan', in Hiroshi Ueda, Tetsuo Honda, and Shinya Kitamura (eds.) *Regional Development Policy: Local Authorities and Survey*, Sofusha, Tokyo, pp. 275–290.

Hiro Izushi (2007) 'Boundary spanning and the 'knowledge community'' in Phil Cooke and Dafna Schwartz (eds.) *Creative Regions: Technology, Culture and Knowledge Entrepreneurship*, Routledge, London, pp. 280–292.

Hiro Izushi and Robert Huggins (2004) 'Empirical analysis of human capital development and economic growth in Europe' in Pascaline Descy and Manfred Tessaring (eds.) *Impact of Education and Training, Third Report on Vocational Training Research in Europe: Background Report*, Office for Official Publications of the European Communities, Luxembourg, pp. 71–118.

Yuko Aoyama and Hiro Izushi (2004) 'Creative resources of the Japanese video game industry' in Dominic Power and Allen J. Scott (eds.) *Cultural Industries and the Production of Culture*, Routledge, London, pp. 110–129.

Hiro Izushi (2002) 'Limits of local networks: use of local and external knowledge in technological adaptation in the Seto ceramics industry', in Rod McNaughton and Milford Green (eds.) *Global Competition and Local Networks*, Ashgate, Aldershot, pp. 197–215.

OTHER ARTICLES AND MAJOR REPORTS

Hiro Izushi (2012) 'An empirical study of the use of public research institutes and its relationship with firm performance', Teikoku Databank SPECIA collaborative research report 2012–16, Teikoku Databank Ltd, Tokyo, available from http://www.tdb.co.jp/report/specia/spe_e120605.html.

Robert Huggins, Hiro Izushi, Nick Clifton, Sarah Jenkins, Daniel Prokop and Chris Whitfield (2010) *Sourcing Knowledge for Innovation: The International Dimension*, National Endowment for Science, Technology and the Arts (NESTA), London.

Robert Huggins, Hiro Izushi, Will Davies, and Luo Shougui (2008) *World Knowledge Competitiveness Index 2008*, Centre for International Competitiveness, Cardiff.

Robert Huggins and Hiro Izushi (2007) 'The knowledge competitiveness of regional economies: conceptualisation and measurement', *Bank of Valletta Review*, (35), 1–24.

Robert Huggins and Hiro Izushi (2002) *World Knowledge Competitiveness Index 2002: Benchmarking the Globe's High Performing Regions*, Robert Huggins Associates, Cardiff.

MAJOR RESEARCH CONTRACTS AND GRANTS AWARDED

National Endowment for Science, Technology and the Arts (NESTA) (2008–2009) *Innovative Places: Best Practice in International Knowledge Sourcing* (Co-principal investigator)

OECD (2008–2009) *The Concentration of Innovation-Related Resources in Leading Regions* (Co-principal investigator)

Scottish Enterprise (2005) Intellectual and Knowledge Capital in Scotland (Co-principal investigator)

Department of Trade and Industry (2004) Specialty Chemicals Sector Competitiveness Analysis (Co-principal investigator)

European Centre for the Development of Vocational Training (CEDEFOP) (2002) Impact of Education, Training and Skills on Human Capital, Economic Growth and Employment (Co-principal investigator)

Izmir Chamber of Commerce, Turkey (2001) Economic Profile of the Aegean Region: Issues and Implications for Regional Development and its Organisation (Principal investigator)

South East England Development Agency (2001) Knowledge Economy – Indicators and Benchmarking (Co-principal investigator)

Mid Wales Partnership ICT Project Group (2001) Review of Best Practice in Information and Communications Technologies Learning (Principal investigator)

Japan Foundation Endowment Committee, University of Sheffield (1998–1999) Role of Japan's Public Local Technology Centres in Regional Development (Principal investigator)

Economic and Social Research Council (1995–1996) Supplier Associations: Can a Government Create Cooperation Among Local Firms? (Principal investigator)

US Social Science Research Council (1993–1994) Joint Committee on Japanese Studies Fellowship

REVIEW OF JOURNAL ARTICLES

Research Policy, Regional Studies, Economic Geography, Management Research Review, Industry and Innovation, Science and Public Policy, Economic Development Quarterly, Journal of Chinese Economic and Business Studies, International Journal of Transitions and Innovation Systems, International Journal of Foresight and Innovation Policy, Scientific Research and Essays, International Planning Studies, International Journal of Computer Games Technology