

## **TEUBAL, MORRIS-Research last 4-5 years**

Born 1943, Orange, NJ (USA); Ph.D. 1967, Univ. of Chicago; Aliya 1970; Lect. 1970; Sen. Lect. 1975; Assoc. Prof. 1987; Prof. 1996.

### **Research Interests:**

Economic growth processes. Technological change. Technology infrastructure policy. The evolution of national systems of innovation, particularly Israel's. Market-building policies. Innovation and Technology Policy (ITP): System-Evolutionary Perspectives. A framework for research, technology and innovation policies for Europe and for NICs. The formulation of an R&D policy for Israel. High-tech start-ups and venture capital: evolutionary and systemic perspectives. Comparative Research on the Evolution of Venture Capital: Product Life Cycle Perspectives. Targeted Venture Capital Policies: Israel's Yozma and implications for other countries. Comparative Research on the Emergence, Consolidation and Maturity of High Tech Clusters. Strategies and Growth Profiles of High Tech companies. The Institutional Underpinnings of High Tech Clusters. The Strategic Dimension to Innovation and Technology Policy.

### **Publications:**

"Policies for Promoting Enterprise Restructuring in National Systems of Innovation: Triggering Cumulative Learning and Generating System Effects", in Science, Technology and Innovation (STI) Review (22), Special Issue on "New Rationale and Approaches in Technology and Innovation Policy", OECD, 1998.

"Market Stimulating Technology Policies in Developing Countries: A Framework with Examples from East Asia" with S. Lall, World Development, Vol 26, No 8, pp. 1396-1998.

"Towards an R&D Strategy for Israel", Economic Quarterly (Hebrew), Volume 46, 1999, December.

"Enterprise Restructuring and Embeddedness: A System and Policy Perspective", with E. Andersen, Industrial and Corporate Change 1 (9):87-111, 2000.

"Globalization and the Re-orientation of Innovation and Technology Policies", with G. Avnimelech, in R. Galli (ed) 2001 Evoluzioni E Rivoluzioni Dell'Impresa Scientifica: La Pila Di Volta Due Secoli Dopo, Centro de Cultura Scientifica "A. Volta", Como, 2002.

"What is the Systems Perspective to Innovation and Technology Policy (ITP) and How Can we Apply it to Developing and Newly Industrializing Economies?" Journal of Evolutionary Economics, 2002 12:233-257.

"A Framework for Policy-Oriented Innovation Studies in Industrialising Countries" with A. Bartzokas, Economics of Innovation and New Technology, Spring 2002,

Vol 11, Numbers 1&2. Special issue "The Political Economy of Technology Policy Implementation in Industrializing Countries", 225 pp.

"Observations on the Indian Software Industry from an Israeli Perspective-A Microeconomic and Policy Analysis", Science, Technology & Society (STS) Journal(New Delhi) 2002, Vol 7 (1):151-186.

"Company Growth, Acquisitions and Access to Complementary Assets in Israel's Data Security Industry", with Gil Avnimelech & A. Gayego, European Planning Studies, Vol 10, No. 8, 2002, 933-953.

"Foreign Acquisitions & R&D Leverage in High Tech Industries of Peripheral Economies: Lessons and Policy Issues from the Israeli Experience", with G. Avnimelech, International Journal of Technology Management, Vol 24, special issue, 2002, forthcoming.

"Israel's Venture Capital Industry: Emergence, Operation and Impact", with G. Avnimelech, chapter in D. Citendamar (ed) The Growth of Venture Capital: A Cross Cultural Analysis. Westport CT: Praeger, forthcoming.

"Venture Capital – Start Up Co-evolution and the Emergence and Development of Israel's New High Tech Cluster—Part 1: Macroeconomic & Industry Analysis", with G. Avnimelech, forthcoming in Economics of Innovation and New Technology, Vol 12 (5) June 2003.

"Venture Capital Policy in Israel: A Comparative Analysis and Lessons for Other Countries", with G. Avnimelech, paper presented at EC-sponsored Workshop on 'Financial Systems, Corporate Investment in Innovation and Venture Capital', Brussels, Nov. 6-8. To be published in the Proceeding in Financial Systems, Corporate Investment in Innovation and Venture Capital, Mani S. & Bartzokas, A. (eds), Cheltenham, UK: Edward Elgar, 2003.

"Venture Capital-Start-Up Co-evolution and the Emergence and Development of Israel's New High Tech Cluster- Part 2: Implications of a Microeconomic Analysis" (in process), with Gil Avnimelech. To be published in a special issue of Revue Economique.

"The Indian Software Industry from an Israeli Perspective: A Systems/Evolutionary and Policy View", with G. Avnimelech, chapter in The Context of Innovation in India: the Case of the IT Industry, Palgrave, London, forthcoming.

### Books/Special Issues:

Co-Editor with A. Bartzokas, Special Issue "The Political Economy of Technology Policy Implementation in Industrializing Countries", Economics of Innovation and New Technology, Spring 2002, Vol 11, Numbers 1&2.

### Research Grants

1998-2000 Israel Coordinator in a **EU TSER project on “SME’s (and Start Ups) in Europe and Asia”**

2000-2002- Participant in the **IFISE project** (‘A methodology for the creation of seed and start up capital sources for high tech firms in Europe following the Israeli success stories of Yozma’)-The IPS program, Commission for European Communities, Directorate General Enterprise

2003- Participation in the **ESTER project** (“The creation of seed and venture capital sources for small Eastern European countries following the model of Yozma and Technological Incubators’ Program’)-the IPS Program, Commission of European Communities, Enterprise Directorate General

2003: Grant from Mosad Neeman, The Technion, Haifa (Science, Technology, Economy program) **“Public Policy for Developing a Professional National Venture Capital Industry”**