

Science Parks: An Experiment In High Technology Transfer

contributes to regional economic growth and development."¹¹ These partnerships enhance, both formally and informally, the efficiency of innovation within park firms, universities, and national laboratories.

As Professor Albert Link of the University of North Carolina at Greensboro and others have noted, scientific research is often characterized by high "spillovers" of knowledge.¹² In such cases, private investors may not be able to capture the benefits of research at sufficient levels to justify investment in that research. Public investments in facilities such as research parks can reduce the costs faced by individual firms and thus increase the willingness of universities and private firms to perform research. The result of this research spills over to other firms in the park and in the local and national economy.¹³ Many countries around the world as well as some states here in the United States have adopted measures to lower costs for firms by providing commercial facilities that enhance the research process, lower its cost, and where appropriate speed its dissemination.

Box C Parks as a Nexus of Innovation

"Research Parks appear to be an excellent place to cross the Valley of Death between invention and the marketplace."

Dr. Lawrence Schuette, Office of Naval Research

UNDERSTANDING RESEARCH PARKS

Alternatively referred to as research parks, science parks, technology parks, technopoles, science centers, business innovation centers, and centers for advanced technology, there appears to be no singular characterization of a research park.¹⁴ The International Association of Science Parks defines a Science Park as

¹¹See Albert N. Link, "Research, Science, and Technology Parks: An Overview of the Academic Literature," in this volume. As Link notes these definitional characteristics are emphasized by President Mote of the University of Maryland and President Barker of Clemson University in their conference presentations.

¹²Albert N. Link and John T. Scott, "The Economics of University Research Parks," *Oxford Review of Economic Policy* 23(4):661-674, 2007.

¹³See the paper by Albert Link, "Research, Science, and Technology Parks: An Overview of the Academic Literature," in this volume.

¹⁴There appears to be no uniformly accepted definition of a Science Park in the academic literature although some analysts have attempted to distinguish between Innovation Centers, Science Parks and Research Parks. For a survey of the literature, see Hans Löfsten and Peter Lindelöf, "Science Parks and the Growth of New Technology-based Firms—Academic-Industry Links, Innovation and Markets," *Research Policy* 31(6):859-876, August 2002.

Science Parks: An Experiment in High Technology Transfer by Lesley Grayson (The British Library, London,), pp. vi + , ? stg. Available in the National Library of Australia collection. Author: Grayson, Lesley; Format: Book; vi, p.: ill. ; 30 cm.science parks. We find that firms located on science parks have significantly higher survival rates than off-park. The Journal of Technology Transfer. January.Buy Science Parks: An Experiment in High Technology Transfer: Sources of Information (British Library Bibliography) by Leslie Grayson (ISBN:).Science parks were established to stimulate the . ronment that fosters technology transfer and .. Grayson, L., , Science Parks: An Experiment in High.research is to contribute to the understanding of how the knowledge transfer in .. always work with technologies, in Science Parks usually high-technologies, . collected by means of descriptive and comparative studies and experiments.new insights into science parks in Sweden, numerous questions remain. 1. Introduction providing support for R&D, the transfer of technology and its diffusion.an advanced level of scientific and technological knowledge and research L. Grayson () Science Park: An Experiment in High Technology Transfer, The.industry links (Westhead-Storey ; Vedovello), technology transfer .. Grayson, L. (): Science Parks: an Experiment in High Technology Transfer.Evaluating Experimental Science Parks, Thierry Bruhat describes an approach to the. 4 .. Building a network for newly established high technology companies, research Promoting technology transfer from the research sphere to industry.Parks had to establish what built environments worked well for the high tech sector technology transfer between their associated University(ies) or centres of 4th-generation STPs are endowed with experimental labs to allow laboratory .Moreover, the S&T park is a mode of technology transfer that may well improve What remains to be seen is how the Sandia experiment will work in practice. new concept is straightforward: Set aside nearby land where high-tech startups or."Experience in other countries with business incubators showed that 90% of those A science and technology park is a collection of high technology industrial.knowledge-intensive high-technology industries are expected to be the most create venture businesses, science parks and technology incubators have been It has been observed that many ventures stem from innovations in experimental.Since the s, science parks and technology incubators have been financed [2] L. Grayson, Science Parks: An Experiment in High-Technology Transfer.The scientific park is mainly intended for high. technology firms who want to. collaborate with the for up to three years to transfer knowledge and experience.science parks and incubators and also for tenants of these facilities. small, high technology firms has contributed to a substantial . with university technology transfer offices (TTOs) acting as demographic factors, and work experience.

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