



National Technical University
"Kharkiv Polytechnic Institute"

International Business and
Finance Department

Drivers, challenges and business models for international high technology entrepreneurship

Proposal for Research Cooperation



Background

High-technology entrepreneurship became the area of significant research interest in the last two decades (Roberts, 1991, Elfring & Hulsink, 2003; Oakey, 2012; Braguinsky, Klepper & Ohyama, 2012; Marvel, 2013).

Simultaneously, developments in international entrepreneurship attracted more attention (Jones, Coviello, & Tang, 2011).

Eventually, that led to the emergence of studies in international high-technology entrepreneurship at the intersection of two fields (Coviello, 1994; Jones, 1999; Murtha, Lenway, & Hart, 2002; Onetti, Zucchella, Jones, & McDougall-Covin, 2012).

These studies revealed a wide venue for further exploration of the issues related to the drivers of high-tech firms internationalization, challenges that international context imposes on high technology SMEs, and corresponding business models applied by international high-tech entrepreneurs, including specific capabilities that high-tech firms have to develop for competing internationally (Danko T., 2012; 2016).



Research Objectives

- determine, measure and monitor the scope of international high-technology entrepreneurship within the modern global economy
- understand which variables determine an international orientation of high-technology ventures
- identify and analyze specific factors influencing international high-technology entrepreneurship performance
- explore business approaches and models applied in international high-technology entrepreneurship



Output and Potential Outcomes

The results will help to clarify the managerial practices to be applied in the area of international high-technology entrepreneurship reflecting its specific aspects.



Research Team

Research is done at the International Business and Finance Department. Head of the department – Prof. Volodymyr Mishenko.

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References

- Braguinsky, S., Klepper, S., & Ohyama, A. (2012). High-tech entrepreneurship. *Journal of Law and Economics*, 55(4), 869–900.
- Coviello, N. E. (1994). *Internationalizing the entrepreneurial high technology, knowledge-intensive firm*. ResearchSpace@ Auckland. Retrieved from <https://researchspace.auckland.ac.nz/handle/2292/2581>
- Danko, T. (2012). Developing High-Tech Marketing Capabilities through Online Collaborative Learning. In *EICL Conference Proceedings.-E-Internationalization for Collaborative Learning, Crimea, Ukraine*.
- Danko, T. (2016). Creating a Multinational Collaborative Online Community in the High-Tech Marketing Domain in Ukraine. In *Rethinking Post-Communist Rhetoric: Perspectives on Rhetoric, Writing, and Professional Communication in Post-Soviet Spaces* (pp. 175–202). USA.
- Elfring, T., & Hulsink, W. (2003). Networks in entrepreneurship: The case of high-technology firms. *Small Business Economics*, 21(4), 409–422.
- Jones, M. V. (1999). The internationalization of small high-technology firms. *Journal of International Marketing*, 15–41.
- Jones, M. V., Coviello, N., & Tang, Y. K. (2011). International entrepreneurship research (1989–2009): a domain ontology and thematic analysis. *Journal of Business Venturing*, 26(6), 632–659.
- Marvel, M. R. (2013). Human Capital and Search-Based Discovery: A Study of High-Tech Entrepreneurship. *Entrepreneurship Theory and Practice*, 37(2), 403–419.
- Murtha, T., Lenway, S., & Hart, J. (2002). *Managing new industry creation: Global knowledge formation and entrepreneurship in high technology*. Stanford University Press.
- Oakey, R. (2012). *High-technology entrepreneurship*. Paris: Recherche.
- Onetti, A., Zucchella, A., Jones, M. V., & McDougall-Covin, P. P. (2012). Internationalization, innovation and entrepreneurship: business models for new technology-based firms. *Journal of Management & Governance*, 16(3), 337–368.
- Roberts, E. B. (1991). *Entrepreneurs in high technology: Lessons from MIT and beyond*. Oxford University Press.