

Heesang Ryu

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ACADEMIC POSITION

Research Fellow, **Department of Management and Technology, Bocconi University**

EDUCATION

Ph.D. in Economics, **ESSEC Business School** (*École Supérieure des Sciences Économiques et Commerciales*)
CY Cergy Paris University, France, 2022 (exp)

Advisors: Cristina Terra (ESSEC), Giuseppe Berlingieri (ESSEC)

M.Res. in Business Administration Research, **ESSEC Business School**, France, 2017

M.Sc. in Economic Analysis, **CY Cergy Paris University**, France, 2016

M.Sc. in Finance, Asset Management, **Korea Development Institute**, South Korea

Exchange Student, **University of California, San Diego**, U.S.A

B.Sc. in Economics & Business Administration (dual degree), **Yonsei University**, South Korea

RELATED PROFESSIONAL EXPERIENCE

The OECD (Organisation for Economic Co-operation and Development), France

External Consultant, Productivity, Innovation & Entrepreneurship Division,

Directorate of Science Technology and Innovation 2018-2019

Policy Analyst, Export Credits Division, Directorate for Trade and Agriculture 2011-2014

The Export-Import Bank of Korea, South Korea, 2003-2011

Associate Manager, Service Industry Finance Department

Manager, Economic Development Cooperation Fund & Project Finance Department

RESEARCH INTEREST

Innovation, Competition, Spillovers, Intellectual Property Rights, Patent Litigation,
Industrial Organization, International Trade, Economics of Geography

WORKING PAPERS

Litigation versus Spillovers

Using a unique data set on patent litigation from the United States, I find that litigants are ex ante innovators and share complementary knowledge assets that create spillovers. However, as a result of litigation, firms reduce follow-on innovation impeding the effects of spillovers. Moreover, litigants fall behind the frontier, resulting in a divergence of productivity growth, which suggests a reduction of their role as intermediaries of knowledge diffusion. These findings imply that litigation, in contrast with the original objective of the intellectual property rights enforcement system, can obstruct technological diffusion, thus not only decreasing cumulative innovation and spillovers, but also slowing down productivity growth.

Human Capital Concentration and Regional Labor Adjustment in Brazil

I examine internal migration in Brazil driven by trade integration in the 1990s to measure the role of spillovers in human capital agglomeration. I find heterogeneous impacts: low-skilled workers move to regions with better export opportunities and higher cross-industry spillovers but avoid regions with a strong presence of high-skilled workers, while high-skilled workers migrate to regions with higher externalities.

FDI spillovers: The Role of Organizational Capital

I focus on the organizational capital of firms against the FDI influx upon Vietnam's WTO accession. Using firm level panel data, I identify the impact of CEO ability, proxied by education attainment, in dealing with external FDI shocks and in managing internal resources, including the adoption of IT systems.

WORK IN PROGRESS

Innovation for Financing *joint with Mirim Kim (CY Cergy Paris University)*

I examine the effectiveness of the Korean government's policy of providing operating funds to innovative firms based on their IP assets. Using panel data covering the manufacturing and services industries, I investigate the performance and productivity of firms that received the financing in relation to their innovative activity.

POLICY RELATED PAPERS

The Future of Doing Business *joint G. Berlingieri, N. Gonne, S. Miroudot and M. Squicciarini*

In "Inclusive Growth Review of Korea: Creating Opportunities for All", OECD Publishing(2021)

Promoting SME Productivity In ASEAN Countries, Strengthening Capabilities, Enabling Business Dynamics

joint with M. Bajgar, G. Berlingieri, S. Calligaris, F. Calvino, C. Criscuolo, OECD Publishing(2021)

TEACHING

ESSEC Business School, France

Lecturer (half-course with two sections), Teaching Assistant, Strategy & Management(M.Sc), 2021

Lecturer, Microeconomics (B.Sc.), 2019

Teaching Assistant, Applied Strategic Management (M.Sc), 2021

Teaching Assistant, International Economics (M.Sc), 2016-2018

Teaching Assistant, International Trade (B.Sc.), 2016-2018

Sciences Po, France

Instructor, Mathematics for Energy Economics (M.Sc, Paris School of International Affairs), 2018

PRESENTATION

2021 Strategic management society, DRUID (Accepted)

Munich Summer Institute, European Economic Association (EEA),

European Association for Research in Industrial Economics (EARIE),

European Policy for Intellectual Property (EPIP)

OECD Applied Economics seminar

2020 Meeting of the Urban Economics Association, CYU Thema Economic Seminar

2019 CYU Thema Economic Seminar

2015 Korean Health Industry Development

2011-2014 OECD Meeting of Aircraft Sector Understanding, OECD premium experts meeting

LANGUAGES AND SKILLS

English (Fluent), French (Advanced), Korean (Native)

Stata, L^AT_EX, Python, MS Office

REFERENCES

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Reference for management teaching