

Jun Koo, Ph.D.

Jun Koo is an assistant professor in the Maxine Goodman Levin College of Urban Affairs. He received his Ph.D. (2003) in city and regional planning from the Univ. of North Carolina at Chapel Hill.

Dr. Koo's primary research interests are technology and economic performance, urban agglomeration and industry clusters, workforce development, and entrepreneurship. His dissertation research, funded by the National Science Foundation, examined the link between knowledge spillovers and urban development. His current research investigates knowledge flows among regions and industries and the development of knowledge-based regional industry clusters in the U.S.

Dr. Koo has a unique background that includes both domestic and international development research. Prior to his joining the Cleveland State University, Dr. Koo was part of a World Bank research team studying firm performance, economic structure, government activity, and the formation of regional industry clusters in developing countries, such as Mexico, India, and Brazil. He also worked as a research associate for the Office of Economic Development at the Kenan Institute, University of North Carolina at Chapel Hill. His primary research there was analyzing various economic issues of U.S. regional economies (e.g., economic impact of universities, development of regional industry clusters, and innovation and technology policy).

Honors:

- Best Dissertation Award, Regional Science Association International, 2003.
- Doctoral Dissertation Research Grant, National Science Foundation, 2002.
- Barry M. Moriarty Award for Best Graduate Student Paper, Southern Regional Science Association, 2002.
- William Orr Dingwall Pre-Dissertation Grant, William Orr Dingwall Foundation, San Francisco, 2001.

Recent Journal Publications:

- Deichmann, U., Fay, M., Koo, J., and Lall, S. 2004. Economic structure, productivity, and infrastructure quality in southern Mexico. *Annals of Regional Science*, 38: 361-385
- Chakravorty, S., Koo, J., and Lall, S. 2005. Do localization economies matter in cluster formation?: Questioning the conventional wisdom with data from Indian metropolises. *Environment and Planning A*, 37: 331-353
- Luger, M. and Koo, J. 2005. Practical problems in new firm research: defining and tracking business start-ups. *Small Business Economics*, 24:17-28
- Koo, J. 2005. Agglomeration and spillovers in a simultaneous framework. *Annals of Regional Science*, 39:35-47
- Koo, J. 2005. How to analyze the regional economy with occupation data. *Economic Development Quarterly*, Forthcoming
- Koo, J. 2005. In search of new knowledge: Its origins and destinations. *Economic Development Quarterly*, Forthcoming
- Koo, J. 2005. Knowledge-based industry clusters: Evidenced by geographic patterns of patents in manufacturing. *Urban Studies*, Forthcoming
- Koo, J. 2005. Technology spillovers, agglomeration, and regional economic development. *Journal of Planning Literature*, Forthcoming

Funded Research:

- *Partnership for Advancing Regional Economies*, Presidential Initiative, Cleveland State University, \$350,000, Co-Principal Investigator, July 2005 – June 2007.
- *Program for the Advancement of Economic Development in Northeast Ohio, Presidential Initiative*, Cleveland State University, \$145,000, Co-Principal Investigator, July 2004 – June 2005.
- *When Research and Development Matters to Regional Economic Growth, Established Full-time Faculty Research Development Grant*, Cleveland State University, \$13,298, Principal Investigator, July 2004 – May 2005
- *Develop Relational Database for Industry Employment, Occupations and Skill Requirements*, Greater Cleveland Growth Association, \$5,000, Principal Investigator, Jan. 2004 – May 2004.
- *Examine Specific Knowledge-Intensive High-Tech Operations in the Northeast Ohio Region*, Greater Cleveland Growth Association, \$5,000, Principal Investigator, Jan. 2004 – May 2004.
- *Industry Clusters and Technology Policy Development in Kentucky*, Kentucky Science and Technology Corporation, \$55,733, Project Manager, Apr. 2000 – Dec. 2000.
- *Regional Industry Cluster Update: North Carolina Southeast*, NC Southeast Partnership for Economic Development, \$17,349, Project Manager, May 2000 – Sep. 2000.

Policy Working Papers:

- Koo, J. and Lall, S. 2004. Economic geography: Real or Hype? *World Bank Policy Research Working Paper* 3465. World Bank, Washington, D.C.
- Lall, S., Koo, J., and Chakravorty, S. 2003. Diversity matters: spatial externalities, market access, and the economic geography of industry location. *World Bank Policy Research Working Paper* 3072. World Bank, Washington, D.C.
- Chakravorty, S., Koo, J., and Lall, S. 2003. Metropolitan industrial clusters: patterns and processes in Mumbai, Kolkata, and Chennai. *World Bank Policy Research Working Paper* 3073. World Bank, Washington, D.C.
- Deichmann, U., Fay, M., Koo, J., and Lall, S. 2002. Economic structure, productivity, and infrastructure quality in southern Mexico. *World Bank Policy Research Working Paper* 2900. World Bank, Washington, D.C.

Recent Conference Presentations:

- Does R&D really matter to regional growth? *51st Annual North American Meetings of the Regional Science Association International*, Seattle, WA. Nov. 2004
- In search of knowledge-based industry clusters. *Association for Public Policy Analysis and Management 26th Annual Research Conference*, Atlanta, GA. Oct. 2004
- How to analyze the regional economy with occupation data. *Association of Collegiate Schools of Planning 46th Annual Meeting*, Portland, OR. Oct. 2004
- Determinants of localized technology spillovers: a new approach for an old issue. *50th Annual North American Meetings of the Regional Science Association International*, Philadelphia, PA. Nov. 2003
- When technology spillovers are localized: Importance of regional and industrial attributes. *Association for Public Policy Analysis and Management 25th Annual Research Conference*, Washington, DC. Nov. 2003