

Iryna V. Lendel

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The Center for Economic Development
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Ph.D. in Urban Studies, Economic Development
Ph.D. in Economics

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EDUCATION

Ph.D. in Urban Studies and Public Affairs, Cleveland State University, 2008
Specialization: Economic Development

Ph.D. in Economics (Doctor of Economics), Lviv Regional Institute of the National Science Academy of Ukraine, 1995.

Diploma of Economist-Researcher. Moscow Academy of Oil and Gas, Moscow, Russia. Post-Graduate course, 1992.

Diploma of Higher Education in Economics with Honors (Master's degree). Ivano-Frankivsk Institute of Oil and Gas, Ukraine, 1988.

AREAS OF SPECIALIZATION

- Regional economics and economic development
- Industry study: oil and gas industry, optics industry
- Public policies on technology-based economic development; innovation ecologies
- The role of universities in regional economies
- Economic impact modeling
- High-tech economies and technology transfer
- Strategic planning and small business counseling

EMPLOYMENT HISTORY

Maxine Goodman Levin College of Urban Affairs, Cleveland State University, Ohio

- Assistant director, Center for Economic Development, 2010 - present
- Research Associate/Program Manager, Center for Economic Development, 2004-2010
- Ph.D. student, research and teaching assistant, student-employee 2000-2004
- Fulbright Research Scholar, Senior Associate, 1997-1998

National Technical University of Oil and Gas, Ivano-Frankivsk, Ukraine.

- Associate Professor, 1996 – 2000
- Assistant Professor, 1993 – 1996

Canadian-Ukrainian Project “Small Business and Economic Development of Ivano-Frankivsk,” Ukraine.

- Manager of the Economic Development Program, 1997 – 2000
- Economic Development Officer, 1996 – 1997

OTHER RELEVANT EXPERIENCE

Fulbright New Century Scholar, Free University of Berlin (Germany), Utrecht University (The Netherlands), 2009 – 2010

Fulbright Research Scholar, Cleveland State University, 1997 – 1998

Consultant, 1996 – 2007

- Canadian-Ukrainian project “Small Business and Economic Development-Regional Network,” University of Waterloo, Ontario, Canada. 2000-2007
- Association of Cultural Gardens, “Impact Study of Cleveland Cultural Gardens.” Cleveland, OH. 2001
- Research Triangle Institute (RTI); Association of Ukrainian Cities. Strategic Planning and Regional Economic Development (funded by the World Bank). 1999
- LARGIS Project (Reform of Local and Regional Institutions in Ukraine), Evaluation of Public Policies and Economic Development Institutions in Ukraine (funded by USAID). 2000
- Parliament Development Program, Seminars on Strategic Planning and Regional Development (funded by USAID). 2000

Founder and Executive Director, The Association of Economic Development of Ivano-Frankivsk, Ukraine. 1998 – 2000

PROFESSIONAL SERVICE AND MEMBERSHIP

Associate editor for *Economic Development Quarterly*. 2009-present

Urban Affairs Association

Technology Transfer Society

PUBLICATIONS

Peer-Reviewed Articles:

Lendel, Iryna (2010). Impact of Research Universities on Regional Economies through the Concept of University Products. *Economic Development Quarterly*. 24(3), 210-230.

Feldman, Maryann P. and Iryna Lendel (2010). Under the Lens: The Geography of Optical Science as an Emerging Industry. *Economic Geography*. Vol. 86(2), 147-171.

Hill, Edward W. and Iryna Lendel (2007). The impact of the reputation of bio-life science and engineering doctoral programs on regional economic development. *Economic Development Quarterly*. Vol. 21(3), pp. 223-243.

Book Chapters:

- Feldman, Maryann and Lendel, Iryna (2011). The Emerging Industry Puzzle: Optics Unplugged. Chapter in *Beyond Territory: Dynamic Geographies of Knowledge Creation, Diffusion, and Innovation*. Routledge, London and New York, pp. 107-148.
- Lendel, Iryna V., Philip Allen and Maryann Feldman (2009). University-Based Economic Growth. Chapter in *International Handbook of Higher Education*. Tight, M., J. Huisman, K.-H. Mok and C. Morpew (Eds.) Routledge, London and New York, pp. 381-396.
- Hill, Edward W. and Iryna Lendel (2005). Did 9/11 change Manhattan and the New York region as places to conduct business? Chapter in *Resilient City. The Economic Impact of 9/11*. Russell Sage Foundation, New York, pp.23-61.

Working Paper:

- Lendel, Iryna and Ziona Austrian (2005). Northeast Ohio Manufacturing Analysis: A Working Paper in Support of the Global Northeast Ohio Manufacturing Roadmap Initiative. Center for Economic Development. Cleveland State University.

Work in Progress:

- Maryann P. Feldman, Lauren Lanahan, and Iryna Lendel. Scientific Capacity Building: Taxonomy of State Science Policies (submitted).
- Lendel, Iryna, Matthew Hrubey, and Sunjoo Park. Regional Science and Innovation Policies: Old Paradigm – New Solutions.
- Lendel, Iryna and Frank Lerk. German Landscape of (Re)emerging Optics: Regional Clusters, IP Specialization, and Role of Academia.

PROFESSIONAL REPORTS

- Lendel, Iryna; Bliss, Sharon; Clouse, Candi; Piazza, Merissa; Austrian, Ziona; Hexter, Kathryn; Constantino, Renee; Hrubey, Matthew. Remix Cleveland: The Cleveland Music Sector and Its Economic Impact. June 2011.
- Lendel, Iryna and Sunjoo Park. The NASA Glenn Research Center: An Economic Impact Study. Fiscal Year 2010. Center for Economic Development, Cleveland State University. April 2011.
- Lendel, Iryna and Sunjoo Park. Northeast Ohio High-Technology Economy Report. Center for Economic Development, Cleveland State University. February, 2011.
- Hill, E., John Brandt, Iryna V. Lendel, et al. Pennsylvania's True Commonwealth: The State of Manufacturing – Challenges and Opportunities. Pennsylvania's Industrial Resource Centers (IRCs). February, 2011.
- Austrian, Ziona, Candice Clouse, and Iryna Lendel. Northeast Ohio Regional Sewer District: Economic Impact of Operating and Capital Expenditures, 2012-2016. Center for Economic Development, Cleveland State University. September 2010.
- Lendel, Iryna and Sunjoo Park. The NASA Glenn Research Center: An Economic Impact Study. Fiscal Year 2009. Center for Economic Development, Cleveland State University. August 2010.
- Lendel, Iryna and Luz Haask. Regional Science and Innovation Policies: Five Case Studies. Center for Economic Development, Cleveland State University. August 2010.
- Lendel, Iryna. Northeast Ohio High-Tech Economy Report. Center for Economic Development, Cleveland State University. June 2010.

Lendel, Iryna. The NASA Glenn Research Center: An Economic Impact Study. Fiscal Year 2008. Center for Economic Development, Cleveland State University. September 2009.

Lendel, Iryna and Ziona Austrian. Northeast Ohio High-Tech Economy. Center for Economic Development, Cleveland State University. January 2009.

Austrian, Ziona, Afia Yamoah and Iryna Lendel. Regional Dashboard of Economic Indicators 2008: Comparative Performance of Midwest and Northeast Ohio Metropolitan Areas. Center for Economic Development, Cleveland State University. October, 2008.

Lendel, Iryna. The NASA Glenn Research Center: An Economic Impact Study. Fiscal Year 2007. Center for Economic Development, Cleveland State University. August 2008.

Lendel, Iryna and Songpyo Kim. Patenting by Cleveland's Inventors: Critical Areas and Knowledge Flows. Center for Economic Development, Cleveland State University. May 2008.

Austrian, Ziona, Iryna Lendel and Afia Yamoah. An Update of the Regional Growth Model for Large and Mid-Size U.S. Metropolitan Areas: Dashboard Indicators for the Northeast Ohio Economy. Center for Economic Development, Cleveland State University. August, 2007.

Lendel, Iryna. Analysis of The Weatherhead 100 Companies within the Context of Northeast Ohio Industries. Center for Economic Development, Cleveland State University. July, 2006.

Lendel, Iryna. The Healthcare Cluster in the Cleveland-Elyria-Mentor MSA, 2000-2005. Center for Economic Development, Cleveland State University. May, 2006.

Lendel, Iryna. Regional Economic Indicators: Human Capital. Center for Economic Development, Cleveland State University. February, 2006.

Lendel, Iryna and Ziona Austrian. Beachwood's Economy: Analytical Report. Center for Economic Development, Cleveland State University. August, 2005.

Lendel, Iryna. Regional Economic Indicators: Affordability and Quality of Life. Center for Economic Development, Cleveland State University. May, 2005.

Lendel, Iryna. Charlotte-Gastonia-Concord MSA: Analytical Report. Center for Economic Development, Cleveland State University. January, 2005.

Sukhorebra, Iryna (maiden name). Ohio Economic Development Study: Business Incentive Preference Project, Levin College of Urban Affairs, Cleveland State University, 1998

PROFESSIONAL AWARDS

Fulbright New Century Scholar Award for the 2009-2010 program, "The University as Innovation Driver and Knowledge Center ." January, 2009.

Conducting research on the optics industry and the role of universities as innovation drivers. Partners: Utrecht University (Utrecht, The Netherlands), Free University of Berlin (Berlin, Germany), 2009- 2010.

2007 Russell Kashian and Susan Oneson Award to doctoral students. The award recognizes a doctoral student at the Levin College of Urban Affairs who successfully authors or co-authors an article that is accepted for publication or published in a peer-reviewed journal.

Maxine Goodman Levin Discretionary Fund award to support doctoral dissertation and conference expenses, Feb. 2005.

Maxine Goodman Levin College of Urban Affairs award, travel for Ph.D. students, 2002, 2003, 2004.

Fulbright Research Scholar Award, Senior Associate, 1997-1998. The Urban Center, Maxine Goodman Levin College of Urban Affairs, Cleveland State University, Ohio

Conducted research in spatial economy, regional economic development, neighborhood and community development. Worked on projects dealing with business incentive programs, urban sprawl, and redevelopment.

TEACHING

Public Finance and Economics (UST/PAD/PDD 603), 2010 - present. College of Urban Affairs, Cleveland State University.

Teaching assistant, College of Urban Affairs, Cleveland State University. *Urban Spatial Structure (Urban and Regional Economic Development)* (UST 605). Spring 2003

Guest lecturer for *Economic Development Policy* (UST/PDD 722), *Comparative Public Administration* (UST/PAD 693), *Introduction to Urban Studies* (UST 200). 2002-2008

Associate Professor at the Department of Economics and Management, National Technical University of Oil and Gas, Ivano-Frankivsk, Ukraine. Primary courses: *Mathematical Methods for Production Systems, Microeconomics, Econometrics, Research Methods, Labor Economics*. 1996-2000

Assistant Professor at the Department of Economics and Management, National Technical University of Oil and Gas, Ivano-Frankivsk, Ukraine. Primary courses: *Mathematical Methods for Production Systems, Microeconomics, Research Methods*. 1993-1996

PRESENTATIONS/CONFERENCES

* *Invited speaker*

*Central Asian Technology Commercialization. CRDF Global. Kazakhstan, Kyrgyzstan, Tajikistan. October 30 – November 10, 2011. "Methodologies and Challenges of Technology Valuation."

*Universities as Economic Drivers: Measuring and Building Success. SUNY University System. Albany, NY. September 26-27. "Academia as an Entrepreneurial Anchor Asset in Regional Innovation Initiatives."

The Entrepreneurial University and the Academic Enterprise. Technology Transfer Society (T2S) Annual Conference. Washington D.C. November 2010. "German Landscape of (re)emerging Optics: Regional Clusters, IP specialization, and Role of Academia." With Frank Lerch.

* The 21st Century University: Building Sustainable Communities of Growth and Development. DePaul University, August 2010. "Regional Innovative Ecologies: To What Extent is Academia an Anchor Public Policy Asset?" with Sunjoo Park.

Utrecht University, Utrecht, The Netherlands, March 9, 2010. "Emerging Innovative Clusters: The Case of Optics in the U.S. and Germany."

* Ministry of Economics, Hague, The Netherlands, March 1, 2010. "Emerging Innovative Clusters: Regional Science and Public Policy."

* Utrecht University, Utrecht, The Netherlands, June 24, 2009. "The Role of Universities in Technology-Based Regional Economic Development."

Fulbright New Century Scholars meeting. Potomac, Maryland, May 20, 2009. "The Role of Universities in Creating Emerging Technologies and Building Innovative Clusters."

*Navigating in a Climate of Change. NASALGC 121st Annual Meeting, November 9-11, 2008. How Universities Engage Our Non-University Partners to Enhance the Innovation Ecology: "Enhancing the Innovation Ecology: The Role of Universities."

Thirtieth Annual Research Conference of the Association for Public Policy Analysis and Management, 6-8 November, 2008. Los Angeles, CA. "Mapping Public Choices of Science and Innovation Policies Involving Universities: Past Performance and Future Challenges. "

Entrepreneurship and Innovation Clusters. Technology Transfer Society (T2S) Annual Conference. October 17-18, 2008. Albany, NY. "Under the Lens: An Examination of the Optical Science Clusters."

*Public Research University Strategies for Enhancing Regional Innovation: Building the Tool Kit. NASALGC, June 17-19, 2008. Sedona, AZ. Presented the NSF-funded project "State Science Policies: Modeling Their Origins, Nature, Fit and Effects on Local Universities." Launched a special NASALGC survey for the Offices of Vice Presidents for Research.

*Transforming Regional Economies. SSTI 11th Annual Conference. October 18-19, 2007. Baltimore, MD. "The Impact of the Reputation of Bio-life Science and Engineering Doctoral Programs on Regional Economic Development."

Regional Technological and Industrial Trajectories – Theoretical Background and Empirical Observations. Max Planck Institute of Economics, September 27-29, 2007. Jena, Germany. "Illuminating Regional Technology Trajectories: Commercializing Optical Science in the U.S." with Maryann Feldman.

2007 Technology Transfer Conference, 24-26 October, 2007. Palm Desert, CA. "Role of Entrepreneurship in Transforming Innovation into Regional Growth. The Case of 17 Patent Classes in *Expanding* and *High Plateau* Phases of Technological Life Cycle."

2006 Technology Transfer Society Conference, 27-29 September, 2006. Atlanta, GA. "Influence of University and Industrial Research on Regional Economic Development."

Association of Collegiate Schools of Planning 47th Annual Conference November 9-12, 2006, Fort Worth, TX. "Examining of Economic Resilience of Metropolitan America." with Edward Hill.

Beachwood (OH) City Council August 29, 2005. "Beachwood's Economy: Analytical Report" with Ziona Austrian.

Urban Affairs Association Annual Meeting April 13-15, 2005, Salt Lake City, UT. "Regional Economic Indicators: Quality of Life."

Urban Affairs Association Annual Meeting April 13-15, 2005, Salt Lake City, UT. "The Median-Score and Index Creation" with Edward Hill.

Urban Affairs Association Annual Meeting March 31-April 3, 2004, Washington D.C. "Did the Terrorist Attack Affect the Economic Competitiveness of New York City?" with Edward Hill.

Urban Affairs Association Annual Meeting March 26-29, 2003, Cleveland OH. "Where are the Jobs: 1999 Cities and Suburbs in Their Competition for Employment in Comparison to 1993-1999 Trends" with Edward Hill.

Urban Affairs Association Annual Meeting March 20-23, 2002, Boston, MA. "Academic Reputation: Its Impact on Regional Employment Growth" with Edward Hill.

The Great Lakes Economic Development Conference December 1-3, 2001. Pittsburgh, PA. "Impact of Academic Excellence on Regional Economic Outcomes."

The State Science and Technology Institute (SSTI) Annual Conference December 3-4, 2001, Pittsburgh, PA. "The Impact of the Reputation of Bio-life Science and Engineering Doctoral Programs on Regional Economic Development" with Larry Ledebur.