



CURRICULUM VITAE for

Inga A. Ivanova

Research Fellow, Centre for S&T, Innovation and Information Policy, ISSEK, Higher School of Economics

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Languages: Russian, English, Chinese

EDUCATION

PhD, 2008 – 2012, Organization and Management of Industrial Production Department, Far Eastern National Technical University (FENTU), Vladivostok, RF

Feb. 16, 2012 – the date of defense, thesis theme: "Mechanisms of formation of high-tech industries innovative system (at the example of Primorskiy Region's woodworking industry)", Vladivostok State University of Economics and Service, Vladivostok, RF

Specialist Degree, 2001 – 2006, professional skills: Orientalist – economist, Institute of Oriental Studies, Far Eastern National University, Vladivostok, RF

Additional education:

09. 2006 – 07. 2007 Training program in Central University of Finance and Economics, Beijing, China

23.09.2014 - 28.09.2014 Summer school "Diversity, Social Networks and Economic Development", Yelabuga, RF

25.08.2015-22.09.2015 2015 International seminar in Graduate School, Chinese Academy of Social Sciences, Beijing, China

ACADEMIC CAREER

01.2016 – current Research Fellow, Centre for S&T, Innovation and Information Policy, National Research University Higher School of Economics (NRU HSE), Moscow.

10.2015 – 01.2016 Assistant Research Fellow, Center for S&T, Innovation and Information Policy, National Research University Higher School of Economics (NRU HSE), Moscow.

09.2013 - current Associate professor, Management Department, Far Eastern Federal University (FEFU), Vladivostok.

09.2011 – 06. 2013 Senior lecturer, Organization and Management of Industrial Production Department, Far Eastern National Technical University (FENTU), Vladivostok.

02.2011 – 06.2011 Assistant lecturer, Organization and Management of Industrial Production Department, Far Eastern National Technical University (FENTU), Vladivostok.

PROFESSIONAL EXPERIENCE

12. 2007 – 09. 2009 International Operations Manager, "Promocards" Ltd., Vladivostok

10. 2007 – 11. 2007 Interpreter, "Vostokcement" Ltd., Vladivostok

07. 2007 – 08. 2007 Manager, Branch of KUAT construction company, Beijing

06.2004 – 08.2004 Summer Intern, Association of Russian-Chinese businessmen of Siberia and Russian Far East, Vladivostok

TEACHING EXPERIENCE

Higher School of Economics

Bachelor Degree Program:

Chinese Economy; Supervising students' research project named by 'Examining the economic complexity of Chinese provinces'.

Far Eastern Federal University

Master Degree Programs:

Management in the Context of Globalization; Strategic Management (in English); Risk Management; Financial and Strategic Management of a Project (in English).

Bachelor Degree Programs:

Change Management and Risk Management; Innovation Management; Economy of Industrial Enterprises; Marketing Practice and Design; Strategic Planning; Organization of Production; Organization, Regulation and Remuneration.

EDITORIAL APPOINTMENTS

2019 – current: Member of the Journal of Contemporary Eastern Asia's Editorial Board

Reviewer for:

Technological Forecasting and Social Change; Scientometrics; Journal of the Knowledge Economy; Triple Helix: A Journal of University-Industry-Government Innovation and Entrepreneurship; Technology Analysis & Strategic Management; Quality & Quantity; PhD thesis.

ADMINISTRATIVE APPOINTMENTS

09. 2014 – current: Member of the Far Eastern Federal University's Graduate and Doctoral Students Certification Commission

RESEARCH ACTIVITY

"Analysis and Modeling of Socio-Economic Systems Innovative Development in a Global Market", Research project, participant (09.2013 – 12.2013).

"The organization of high-tech innovative production of wooden buildings and structures", The Russian Federation Ministry of Education Grant, participant (2010-2012).

"Country's technological complexity and measuring the efficiency of Triple-Helix relations in innovation Systems with help of Method of Reflections", Individual research project grant of the Institute for Statistical Studies and Economics of Knowledge (HSE), performer (2015-2016).

PUBLICATIONS, REFEREED JOURNALS

Ivanova, I.A On measuring complexity in a post-industrial economy: the ecosystem's approach / Ivanova I., Smorodinskaya N., Leydesdorff L. // Quality and Quantity. 2019. P. 1-16 (in press).

Ivanova, I.A Synergy in innovation systems: Redundancy in the triple helix of university-industry government relations, in: Springer Handbook of Science and Technology Indicators / Leydesdorff L., Ivanova I., Meyer M. Springer, [6.r.]. Ch. 16 (in press).

Ivanova, I.A. The Relation between Synergy and Cycle Values in Regional Innovation Systems: The Case of Norway / Ivanova I., Strand Ø., Leydesdorff L. // Foresight and STI Governance. 2019. No. 1 (in press).

Ivanova, I.A. An Eco-Systems Approach to constructing Economic Complexity Measures:

- Endogenization of the technological dimension using Lotka-Volterra equations / Ivanova I., Strand Ø., Leydesdorff L. // *Advances in Complex Systems*. 2018 (in press).
- Ivanova, I.A. The Latent Role of Universities in Boosting Innovations: An Informational Approach, in: *Innovation and the Entrepreneurial University* / Ivanova I., Johnson M., Krupenskiy N. / Ed. by D. Meissner, J. Chatway, E. Erdil. Springer, 2018. Ch. 14. P. 299-316.
- Ivanova, I.A. Toward a Calculus of Redundancy: Signification, Codification, and Anticipation in Cultural Evolution / Leydesdorff L., Johnson M., Ivanova I. // *Journal of the Association for Information Science and Technology*. 2018. Vol. 69. No. 10. P. 1181-1192.
- Ivanova, I.A. Economic and Technological Complexity: A Model Study of Indicators of Knowledge-based Innovation Systems / Ivanova I., Strand Ø., Kushnir D., Leydesdorff L. // *Technological Forecasting and Social Change*. 2017. Vol. 120. P. 77-89.
- Ivanova, I.A. The Self-Organization of Meaning and the Reflexive Communication of Information / Leydesdorff L., Petersen A., Ivanova I. // *Social Science Information*. 2017. Vol. 56. No. 1. P. 4-27.
- Ivanova, I.A. What is the effect of synergy provided by international collaborations on regional economies? / Ivanova I., Strand Ø., Leydesdorff L. // *Journal of the Knowledge Economy*. 2017. P. 1-17.
- Ivanova, I.A. "Open innovation" and "triple helix" models of innovation: can synergy in innovation systems be measured? / Leydesdorff L., Ivanova I. // *Journal of Open Innovation: Technology, Market, and Complexity*. 2016. P. 1-12.
- Ivanova, I.A. Decomposing the Triple-Helix synergy into the regional innovation systems of Norway: firm data and patent networks / Strand Ø., Leydesdorff L., Ivanova I. // *Quality and Quantity*. 2016. Vol. 1. P. 1-26.
- Ivanova, I.A. Knowledge-Generating Efficiency in Innovation Systems: The acceleration of technological paradigm changes with increasing complexity / Inga A. Ivanova, Loet Leydesdorff // *Technological Forecasting and Social Change* 96 (2015) 254 – 265. URL: <http://dx.doi.org/10.1016/j.techfore.2015.04.001> (Impact factor: 2.058).
- Ivanova, I.A. The Communication of Expectations and Individual Understanding: Redundancy as Reduction of Uncertainty, and the Processing of Meaning / Loet Leydesdorff, Inga Ivanova, and Mark Johnson / Loet Leydesdorff, Mark Johnson, and Inga Ivanova // *Kybernetes* 43(9/10) (2014) (Impact factor: 0.416).
- Ivanova, I. A. A simulation model of the Triple Helix of university–industry–government relations and the decomposition of the redundancy / Inga A. Ivanova, Loet L. Leydesdorff // *Scientometrics* 99(3) (2014) 927-948. URL: <http://link.springer.com/article/10.1007/s11192-014-1241-7> (Impact factor: 2.133).
- Ivanova, I. A. Quadruple Helix Systems and Symmetry: a Step Towards Helix Innovation System Classification / Inga A. Ivanova // *Journal of the Knowledge Economy*. - June 2014, Volume 5, Issue 2, pp 357-369. URL: <http://link.springer.com/article/10.1007%2Fs13132-014-0201-z> (Impact factor: 0.169).
- Ivanova, I. A. Rotational Symmetry and the Transformation of Innovation Systems in a Triple Helix of University-Industry-Government Relations / Inga A. Ivanova, Loet L. Leydesdorff // *Technological Forecasting and Social Change*. 86 (2014) 143-156. URL: <http://www.sciencedirect.com/science/article/pii/S004016251300190X> (Impact factor: 2.106).
- Ivanova, I. A. Mutual redundancies in interhuman communication systems: Steps toward a calculus of processing meaning / Loet Leydesdorff, Inga A. Ivanova // *Journal of the Association for Information Science and Technology*, Volume 65, Issue 2, pages 386–399, February 2014 URL: <http://onlinelibrary.wiley.com/doi/10.1002/asi.22973/abstract> (Impact factor: 2.005).
- Ivanova, I.A. The triple helix model and the fractal structure of the innovation system in the annex to the project of high-tech wooden housing construction / Inga A. Ivanova, Yuriy V. Yakubovskiy, Boris J. Karastelev // *Pacific State University of Economics' Reporter*. – 2011. – № 1. – С. 15 - 23. URL: <http://elibrary.ru/item.asp?id=15640213> (Impact factor of RSCI (Russian Science Citation Index): 0,128).

CONFERENCE PROCEEDINGS AND OTHER PAPERS

- Ivanova, I.A. 4th Geography of Innovation Conference (GEOINNO2018) (Барселона). Presentation: An Approach for Evaluation of Economic Sectors' Complexity Based on an Input-Output Analysis.
- Ivanova, I.A. XXXVIII Sunbelt Conference (Утрехт). Presentation: The Codification of Discursive Knowledge in Social and Semantic Networks: Towards a Calculus of Redundancy, 2018.
- Ivanova, I.A. XVIII April International Academic Conference on Economic and Social Development (Москва). Presentation: A New Metric for Evaluation of Economic Sectors Based on the Input-Output Statistics, 2017.
- Ivanova, I.A. Atlanta Conference on Science and Innovation Policy 2017 (Атланта). Presentation: Iterative Method for Science and Technology Policy Evaluation
- Ivanova, I.A. International Conference on Technology Policy and Innovation ICTPI 2017 (Тайбэй). Presentation: An Eco-Systems Approach To Economic Complexity Measures: How To Endogenize The Technological Dimension?
- Ivanova, I.A. XIV International Triple Helix Conference (Heidelberg). Presentation: An Eco-Systems Approach to Complexity Measures, Patents, and TH Relations, 2016.
- Ivanova, I.A. XVII АПРЕЛЬСКАЯ МЕЖДУНАРОДНАЯ НАУЧНАЯ КОНФЕРЕНЦИЯ ПО ПРОБЛЕМАМ РАЗВИТИЯ ЭКОНОМИКИ И ОБЩЕСТВА (Москва). Presentation: Evaluation of relative innovation sensitivity: The case of Russian regional economies, 2016.
- Ivanova, I.A. SPRU's 50th Anniversary Conference (Брайтон). Presentation: Economic and Technological Complexity: A Model Study of Indicators of Knowledge-based Innovation Systems, 2016.
- Ivanova, I.A. The Generation and Self-organization of Meaning in the Communication of Information and Redundancy / Loet Leydesdorff, Alexander M. Petersen, Inga Ivanova // 2nd International Electronic Conference on Entropy and Its Applications, 2015.
- Ivanova, I.A. The Efficiency of Triple-Helix Relations in Innovation Systems: Measuring the economic, product, and technological complexity / Inga Ivanova, Øivind Strand, Loet Leydesdorff // Triple Helix XIII International Conference Proceedings, Beijing, 2015.
- Ivanova, I.A. What is the effect of synergy in international collaborations on regional markets? / Inga Ivanova, Øivind Strand // Cross-Border Markets of Goods and Services International Scientific and Practical Conference, Vladivostok, 2015.
- Ivanova, I.A. Decomposing the Triple-Helix synergy in the regional innovation systems of Norway: Firm data and patent networks / Øivind Strand, Inga Ivanova, Loet Leydesdorff // 2nd Daegu-Gyeongbuk International Social Network Conference (DISC 2014), Daegu, December 2014.
- Ivanova, I.A. A simulation model of the triple helix of University-Industry-Government relations and the decomposition of the redundancy / Inga Ivanova, Loet Leydesdorff // Triple Helix XII International Conference Proceedings, Tomsk, 2014. – P. 5- 8.
- Ivanova, I.A. University-Industry-Government Relations and the Triple Helix Indicator /L. Leydesdorff, I.A. Ivanova, & Ø. Strand // Triple Helix XI International Conference, London, July 2013.
- Ivanova, I.A. The Communication of Expectations and Individual Understanding: Redundancy as Reduction of Uncertainty, and the Processing of Meaning / Loet Leydesdorff, Mark Johnson, Inga A. Ivanova. URL: http://papers.ssrn.com/sol3/papers.cfm?abstract_id=2358791
- Ivanova, I.A. The perspectives of social economic development of Primorskiy region and the innovative media level increment through the high technology transfer / Y.V. Yakubovskiy, B.J. Karastelev, I.A. Ivanova // Pacific Science Review, vol. 13, no. 2, 2011. – P. 117-123. URL: http://psr.kangnam.ac.kr/bk_iss.jsp?psr_vol=13&psr_no=2 (Impact factor of RSCI: 0,010)
- Ivanova, I.A. Principles of Construction and Operation of the Innovation System for Project of Development and Production of High-Tech Innovative Wooden House Construction / I.A. Ivanova, Y.V. Yakubovskiy, B.J. Karastelev // Pacific Science Review, Vol. 14, № 2, 2012. – P. 194 – 200. URL: <http://elibrary.ru/item.asp?id=21020029> (Impact factor of RSCI: 0,010)
- Ivanova, I.A. Directions of Primorskiy region's woodworking complex / Inga A. Ivanova, Boris J. Karastelev, Yuriy V. Yakubovskiy. Saint-Petersburg State Polytechnic University's Scientific and

- technical statements. – 2011. – № 5. – P. 181 - 185. URL: <http://elibrary.ru/item.asp?id=17102260> (Impact factor of RSCI: 0,061)
- Ivanova, I.A. The new model of the innovation system and the stability of technological development / Boris J. Karastelev, Yuriy V. Yakubovskiy, Inga A. Ivanova // High technologies and basic research: Proceedings of the 10th International Scientific and Practical Conference "Research, development and application of high technologies in the industry." Saint-Petersburg, 09-11. Dec. 2010. – SPB.: Publishing House of the Polytechnic University, 2010. – Vol. 4. – P. 142-147.
- Ivanova, I.A. Improving of the timber trade's marketing structure as a factor of increasing the efficiency of forest management and region socialization / Inga A. Ivanova // New trends of environmental management. Secondary resources and environmental issues, Vladivostok Oct. 19-22, 2010. – Vladivostok: FENTU Publishing house, 2010. – Vol. 3. – P. 57 - 59.
- Ivanova, I.A. Status and prospects of the Russian Far East 's forest industry markets development / Inga A. Ivanova // Youth and scientific and technical progress: Materials of regional scientific-practical conference, Vladivostok, Apr.-May 2009. – Vladivostok: FENTU Publishing house, 2009. – #. 3. – P. 397 - 400.
- Ivanova, I.A. Technology transfer as a resource of social and economic progress in the post-industrial phase of development / Inga A. Ivanova // Youth and scientific and technical progress: Materials of regional scientific-practical conference, Vladivostok, Apr.-Jul. 2010. – Vladivostok: FENTU Publishing house, 2010. – #.4. – P.16-19.
- Ivanova, I.A. International technology transfer as an instrument of emerging market's exploitation / Inga A. Ivanova // Tenth International Young Scholars' Forum of the Asia-Pacific Region Countries, Vladivostok, 25-30 Oct.2010 – Vladivostok: FENTU Publishing house, 2010. – P. 264 - 269.
- Ivanova, I.A. Innovative transformation of the economy and technological development traps / Inga A. Ivanova // Vologdinskies readings: Proceedings of the Conference. Vladivostok, Nov, 2010. – Vladivostok: FENTU Publishing house, 2010. – P. 23 - 25.
- Ivanova, I.A. Cognitive and innovative approach to multi long term forecasting of socio-economic development of the region / Evgeniya I. Burdina, Boris J. Karastelev, Yuriy V. Yakubovskiy, Inga A. Ivanova // Long-term prognosis of mega-regions socio-economic development: Proceedings of the International scientific and practical conference (Pacific Russia - 2050). Khabarovsk, 2010. – Khabarovsk: FEB RAS IEI Publishing house, 2010. – P.114 -120.
- Ivanova, I.A. Technology transfer as a factor of sustainable development of the innovative environment / Inga A. Ivanova // Innovation as an important factor of Russia's withdrawal from the global economic crisis: the materials of regional scientific-practical conference / edited by Prof. Viktor A. Osipov. – Vladivostok: FENTU Publishing house, 2010. – P. 198-206.

TEACHING MATERIALS

- Ivanova, I.A. Management in the context of globalization: theoretical rationale and features of risks accounting: work-book / Inga A. Ivanova. – Vladivostok: VSUES Publishing house, 2019. – 80 p.
- Ivanova, I.A. Change Management: work-book / Inga A. Ivanova. – Vladivostok: FEFU Publishing house, 2017. – 88 p.
- Ivanova, I.A. Global Management: work-book / Inga A. Ivanova. – Vladivostok: FEFU Publishing house, 2015. – 79 p.
- Ivanova, I.A. Change Management & Risk Management: work-book / Inga A. Ivanova. – Vladivostok: FEFU Publishing house, 2014. – 244 p.
- Ivanova, I.A. Production Management / Inga A. Ivanova. – Procedural Guidelines. – Vladivostok: FEFU Publishing house, 2013. – 32 p.
- Ivanova, I.A. Strategic Management / Inga A. Ivanova. – Procedural Guidelines. – Vladivostok: FEFU Publishing house, 2013. – 33 p.

AWARDS:

- 08.2015 - 09.2015 Certificate of Completion, Graduate School of Chinese Academy of Social Sciences
- 08.2015 Certificate of Achievement, Best Paper Award, 13th Triple Helix International Conference, Beijing
- 05.2015 Certificate of recognition for participation in the 1st biennial conference "Cross-Border Markets of Goods and Services: Issues of Research", Vladivostok
- 10.2014 Certificate of Appreciation of FEFU President for labor achievements and diligent work
- 09.2014 Certificate of recognition for participation in the 12th annual Triple Helix international conference, Tomsk
- 08.2014 Open University Certificate of Achievement for the course "Financial Planning"
- 06.2014 Certificate of participation in the NES CSDSI summer school "Diversity, Social Networks and Economic Development", Yelabuga
- 06.2014 Certificate of training courses under the program "Introduction and use of active learning context in the FEFU educational process "
- 04.2014 Open University Certificate of Achievement for the course "Management for a Competitive Edge"
04. 2014 Open University Certificate of Achievement for the course "Strategic Management"
- 04.2014 Certificate of participation in a series of workshops and master classes of Darryl Carlton Jeffrey
- 03.2014 Certificate of participation in the international seminar on the application of experience in the formation of entrepreneurial university and the commercialization of scientific research
- 03.2014 WTO-OMC Certificate № ET201114E
- 02.2014 IELTS Certificate, Academic level 6.0 (Listening 5.5, Reading 6.0, Writing 6.0, Speaking 7.0) # 13RU000868IVAI045A
- 10.2013 Certificate of the "Entrepreneurship and innovation management" program of professional development
12. 2013 Certificate of participation in a series of workshops and master classes of Okoro Chima Okereke
- 07.2013 Certificate of participation in the 11th annual Triple Helix international conference, London
- 02.2013 – 07.2013 FEFU certificate on the "Intensive English for staff and students» program
- 04.2012 – 06.2012 Certificate of professional development on the program of "General English Course for faculty members»
- 02.2011 Honorary Certificate for winning the FEFU Confucius Institute's photo contest "China through my eyes", "Cityscape" nomination
- 06.2009 Certificate of the Corporate Entrepreneurship Center's analytical works competition on the topic: " 2009 – 2014 Primorye Agenda ", Vladivostok