

Curriculum Vitae

Liubov Melnikova

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Research Interests: Waste management, geography of landfills, landfill structure, landfill gas, waste to energy transfer technology, Geographic Information System (GIS) modeling, green building certification, LEED, DGNB.

Education:

2013-2014 MS in Engineering, Columbia University, Fu Foundation School of Engineering and Applied Science, Earth and Environmental Engineering Department. USA, New York, NY

2007-2012 M.S. in Geography, Lomonosov Moscow State University, Department of Geography. Moscow, Russia.

Completed projects:

2008: "Modern municipal solid waste organization in the USA"

2009: "Geography of US: quality of life in terms of waste recycling"

2010: "Landfills in the United States: geography and usage"

Master Thesis Topic: "The world's solid waste management system. Global and regional aspects"

International Study:

2011 Ghent University, Department of Geography, Ghent, Belgium
Project: "Flanders solid waste management system"

Internships:

2010 Assistant analyst, Institute of Urban Economics, Moscow, Russia
Project: Socio-cultural urban design

2011 Assistant analyst, Alternative energy consulting agency, Moscow, Russia

Conferences:

2012 THIRD ANNUAL IWS CONFERENCE by Covanta, note taker, New York, USA

2012 International Youth Science Forum "Lomonosov-2012". Geography and usage of US Landfills. Moscow, Russia.

2012 VIII National Young Scientists School "Renewable energy". Perspectives Landfill gas. Moscow, Russia

2011 International Youth Science Forum "Lomonosov-2011". Quality of life in US in aspects of waste recycle. Moscow, Russia.

Publications:

Melnikova L., Lykiashchenko K., Juk P., Shalaev A., Krivozerzev S. 2012. Research and Development. "Development of a prior standard "Manual for eco sustainable design and construction". State registration number 01201269903 (in Russian)

Melnikova L. 2012. Dregs of society. Magazine "Vinograd" №3 (47) may-june 2012. pp. 92-99, (in Russian)

Melnikova L. 2012 The world's solid waste management system. Global and regional aspects. Lamblert publishing (in Russian)

Melnikova L. 2011. How much waste in the world. Magazine "Orbis Terrarum Journal" (in Russian)

Melnikova L. 2011. Landfill Gas. Promising alternative fuel or a new green bubble?. URL: <http://aenergy.ru/3529>, (in Russian)

Melnikova L. 2011. Landfills in the United States: geography and usage. Materials of the International Youth Science Forum "Lomonosov-2011" / Ed. Ed. Andreev, Andrianov, Antipov, Chistyakova. [Electronic resource] - Moscow: MAKS Press (in Russian)

Awards:

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| 2013 | Scholarship by National Science Foundation and S-STEM Sustainable Engineering GradUatE Scholars Program (SEGUE) |
| 2011 | III place in Competition of student articles in the Environmental journal "Orbis Terrarium Journal". |
| 2008 | "The Best Creative Idea Implementation". The award was given for the project "Clean floodplain" during the summer field work in Kaluga region. |

Work Experience

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| 2013-... | Junior Research associate EEC and WTERT |
| 2013 | D-Waste. Data researcher for Municipal Solid Waste system in Russia (http://www.d-waste.com/) |
| 2012-2013 | Environmental Engineer. Certification Specialist in LEED, BREEAM, DGNB and national standards. EcoStandard group. (http://ecostandardgroup.ru/en/) |
| 2011 | Cartographer in ArgGis. Company "GIS innovation" |
| 2006-2007 | Laboratory assistant. Social and economic geography of foreign countries department MSU |