



Oleksandr Galychyn

● WORK EXPERIENCE

02/01/2023 – CURRENT Helsinki, Finland

SENIOR RESEARCHER THE FINNISH ENVIRONMENT INSTITUTE (SYKE)

Water supply and treatment system security, transport dynamics models optimisation, standardisation of global warming potentials of building and bio-based products across Nordics, sustainability assessment of natural and urban ecosystems

01/07/2022 – 01/01/2023 Lausanne, Switzerland

POSTDOCTORAL RESEARCHER ÉCOLE POLYTECHNIQUE FÉDÉRALE DE LAUSANNE (EPFL)

01/04/2022 – 30/06/2022 Zurich, Switzerland

VISITING PHD RESEARCHER UNIVERSITY OF ZURICH

Visiting PhD student at University of Zurich, Department of Geography, Remote sensing applications for urban metabolism, 3 months

01/07/2011 – 24/08/2014 Kharkiv, Ukraine

URBAN ENGINEER UKRSTROYDIZAYN

- Updating master plan drawings for cities, micro-districts, detailed planning of residential areas

01/09/2010 – 30/05/2011 Kharkiv, Ukraine

GRADUATE RESEARCH ASSISTANT DEPARTMENT OF URBAN PLANNING, KHARKIV NATIONAL ACADEMY OF MUNICIPAL ECONOMY

- Planning and designing scenarios for the sustainable development of the Kharkov subway network

● EDUCATION AND TRAINING

01/11/2018 – 11/05/2022 Naples, Italy

PH.D. IN ENVIRONMENT, RESOURCES AND SUSTAINABLE DEVELOPMENT University of Naples "Parthenope"

Thesis Thesis defended on May, 11th 2022

25/09/2015 – 15/10/2018 Istanbul, Türkiye

PHD IN URBAN AND REGIONAL PLANNING Mimar Sinan Fine Arts University

06/10/2017 – 06/03/2018 Naples, Italy

TRANSCRIPT Università degli Studi di Napoli "L'Orientale"

Erasmus Semester

06/10/2016 – 06/03/2017 Naples, Italy

TRANSCRIPT Università degli Studi di Napoli "L'Orientale"

Erasmus Semester

01/09/2010 – 01/07/2011 Kharkiv, Ukraine

MASTER OF CONSTRUCTION Kharkiv National Academy of Municipal Economy

Level in EQF EQF level 7

01/09/2006 – 01/07/2010 Kharkiv, Ukraine

BACHELOR OF CONSTRUCTION Kharkiv National Academy of Municipal Economy

Level in EQF EQF level 6

● **LANGUAGE SKILLS**

Mother tongue(s): **UKRAINIAN**

Other language(s):

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken production	Spoken interaction	
ENGLISH	C1	C2	B2	B2	C1
JAPANESE	B2	B2	B1	B1	B2
ITALIAN	B2	B2	B2	B2	B2
TURKISH	C1	C1	C1	C1	C1
GERMAN	A2	A2	A2	A2	A2

Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user

● **DIGITAL SKILLS**

Matlab | Microsoft Office | ArcGIS | QGIS | R | Python | Autocad | SIMA PRO | KNIME

● **ADDITIONAL INFORMATION**

PUBLICATIONS

Energy assessment in Vienna, Austria: A systems perspective comparing supply and use-extended footprint models

– 2023

in process of publication, Journal of Cleaner Production Letters

[Ecological network analysis of a metabolic urban system based on input-output tables: Model development and case study for the city of Vienna](#)

– 2022

Cleaner Production Letters, 3 (1), 100019

[A multi-criteria framework for assessing urban socio-ecological systems: The energy nexus of the urban economy and environment](#)

- 2022

Cleaner Environmental Systems, 5(1), 100080

[The Utilization of Human-Oriented Transportation Systems as Regeneration Tool for 'Healthy Neighbourhood'](#)

- 2021

F. Trapani et al. (eds.), Advanced Studies in Efficient Environmental Design and City Planning

[Exploring the global scientific literature on urban metabolism](#) - 2021

Ecological Questions 31 (2020) 4: 89-99

[Organic transportation networks: human-oriented renewal of modern megapolises](#) - 2019

The Academic Research Community Publication, 3 (2), 294-310

[Organic Urbanism: human-oriented design for metropolises](#) - 2017

Procedia Environmental Sciences, 37(1), 396-407

[Embracing the topological complexity of transportation networks](#) - 2017

Ijsrm.Human, 8 (2): 94-105.

[Physical features of gated communities in Japan and USA: A comparative analysis](#) - 2017

Ijsrm.Human, 8 (2), 70-93

["Analysis of planning diagrams of underground railroads in large cities of the World", International Journal of Scientific & Engineering Research, 2013](#)

- 2013

International Journal of Scientific & Engineering Research, 4 (1), 407-412

[Project of subway station Yuzhnaya \(south-station\) in Kharkiv](#) - 2013

International Journal of Scientific & Engineering Research, 4(5), 309-313

CONFERENCES AND SEMINARS

Conferences

- 11th International Conference on Industrial Ecology (ISIE2023), July, 2nd-5th, 2023
- Conference "Finnish Ecosystem Accounting Network of Actors", Tampere, 2023
- The 15th Biennial International Conference on EcoBalance, The Institute of Life Cycle Assessment, Japan, 2022
- Actionable Science for Urban Sustainability Conference (AScUS), 2021
- Actionable Science for Urban Sustainability Conference (AScUS), 2020
- National conference "XXIX Congress of the Italian Society of Ecology", University of Ferrara, 2019

- National conference "Natural Capital, Ecosystem Services and Environmental Accounting", Parthenope University of Naples, 2019
- The International Conference on Urban Transit and Sustainable Networks, University of Palermo, 2017
- The International Conference on Green Urbanism (GU), University Roma Tre, 2016
- VII International Scientific Conference: Urban planning aspects of the sustainable development of cities, KNAME, 2009.

RECOMMENDATIONS

Brian Fath Second Supervisor

One of my PhD thesis supervisors

Email bfath@towson.edu | **Phone** (+1) 4107042535

Dominik Wiedenhofer Tutor

Assisted with the projected carbon footprint assessment in Vienna and the associated research paper preparation

Email dominik.wiedenhofer@boku.ac.at | **Phone** (+43) 14765473729

HONOURS AND AWARDS

24/09/2018

PhD fellowship – Parthenope University of Naples

07/2014

Ali Kuşçu Science and Technology Scholarship – Turkish Government

04/2012

Diploma of 1st degree in the nomination of the best innovative master's thesis in specialty "Urban Construction and Engineering"

06/2011

Ordinary academic scholarship on a competitive basis – Ministry of Education and Science of Ukraine

09/2006

Ordinary academic scholarship on a competitive basis, – Ministry of Education and Science of Ukraine

