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ANDREA PODHORSKY

CITIZENSHIP

Canadian and Slovak; US Permanent Resident

EDUCATION

Princeton University, Ph.D., Economics, 2008
Rochester Institute of Technology, M.S., Computational Finance, 2020
University of British Columbia, M.A., Economics and Applied Mathematics, 1999
University of Windsor, B. Comm., Business and Economics, 1996

MAJOR FIELDS OF INTEREST

Fintech and Blockchain Technology, Corporate Social Responsibility, Environmental Economics, International Trade and Finance

ACADEMIC POSITIONS AND LEAVES

Sabbatical leave, August 2020-August 2021
Sabbatical leave at the School of Individualized Study, Rochester Institute of Technology, August 2018-August 2019
Maternity leave, September 2015-August 2016
Assistant Professor (Tenure from July 2017), York University, 2008-
Visiting Assistant Professor, Faculty of Economics, Chulalongkorn University, Summer 2007-09
Lecturer, Department of Economics, York University, 2006-08
Part-time Lecturer, Department of Economics, Princeton University, 2005-06, 2003-04
Junior Independent Work Faculty Advisor, Princeton University, 2005-06
Teaching Assistant, Princeton University, 2001-05

FELLOWSHIPS AND GRANTS

York University Small Research Grant, 2023
York University Catalyzing Interdisciplinary Research Clusters Initiative “Digital Currencies,” Investigator (joint with Joann Jasiak, Henry Kim, Irene Henriques, Sotirios Liaskos, Divinus Oppong-Tawiah, and Poonam Puri), 2022 (\$525,000)
Faculty of Liberal Arts and Professional Studies Research Grant, York University, 2020
Faculty of Liberal Arts and Professional Studies Travel Grant, York University, 2018
Faculty of Liberal Arts and Professional Studies Research Grant, York University, 2013
Social Sciences and Humanities Research Council of Canada Travel Grant, June 2011
Faculty of Arts Research Grant, York University, 2009
York University Start-up Fund, 2006
Graduate School Summer Fellowship, Princeton University, 2001-03
Princeton University Graduate Fellowship, 1999-2003
Social Sciences and Humanities Research Council of Canada Doctoral Fellowship, 1999-03

R. Howard Webster Foundation Fellowship, University of British Columbia, 1997-98
University Graduate Fellowship, University of British Columbia, 1996-98

TEACHING EXPERIENCE

Undergraduate:

The Economics of Cryptocurrencies (proposed and designed course), Environmental Economics, International Trade, Development Economics, International Finance, Introductory Microeconomics, Introductory Macroeconomics

Graduate:

Environmental Economics

REFEREED PUBLICATIONS

“Taxing Bitcoin: Incentivizing the Difficulty Adjustment Mechanism to Reduce Electricity Usage” International Review of Financial Analysis, Vol. 86, March 2023, 102493.

Related Press:

<https://www.moneysense.ca/save/investing/crypto/how-to-invest-more-sustainably-in-crypto/>

“Environmental Certification Programs: How Does Information Provision Compare with Taxation?” Journal of Public Economic Theory, Thematic Issue on Regulation in Health, Environmental and Innovation Sectors, Vol. 22 (6), pp. 1772-1800, December 2020.

“A Positive Analysis of Fairtrade Certification,” Journal of Development Economics, Vol. 116, pp. 169-185, September 2015.

“Certification Programs and North-South Trade,” Journal of Public Economics, Vol. 108, pp. 90-104, December 2013.

DISSERTATION

“A Survey of Environmental Labeling,” in Podhorsky, Essays on Environmental Labeling (Dissertation), Princeton University, ProQuest/UMI, Ann Arbor (Publication No. 3338691), 2008.

WORKING PAPERS

“Bursting the Bitcoin Bubble: Do Market Prices Reflect Fundamental Bitcoin Value?”

“Accounting for Bitcoin’s CO₂ Emissions: A Computational Framework and Analysis”

“Simulating the Market for Bitcoin”

INVITED SEMINAR PRESENTATIONS

A Positive Analysis of Fairtrade Certification:

University of Ottawa, March 2012

Ryerson University, March 2012

INSEAD, September 2011

Singapore Management University, September 2011

Certification Programs and North-South Trade:

University of Toronto, March 2008

Dalhousie University, February 2008

Environmental Labeling:

Center for Economic Research and Graduate Education Economics Institute (CERGE-EI),
February 2006

Ryerson University, February 2006

York University, February 2006

Carleton University Economics Seminar, February 2006

UC Riverside Economics Seminar, January 2006

Princeton University, November 2005

CONFERENCE PRESENTATIONS

Taxing Bitcoin:

Society for the Advancement of Economic Theory, Canberra 2022

International Conference on Public Economic Theory, Marseille 2022

Canadian Economics Association Meeting (Session Chair), Vancouver 2021

Bursting the Bitcoin Bubble:

ADB, CUHK Shenzhen and SFI sponsored conference on Fintech, Social Finance, and
Financial Stability, Shenzhen 2018 (Invited)

Tutorial on Analyzing Bitcoin: A Theoretical and Empirical Analysis of How the Bitcoin
Protocol Impacts the Market for Bitcoin, Eighth Annual Conference of the Upstate
Chapters of the American Statistical Association, Rochester 2019

The Future of Fairtrade:

Canadian Economics Association Meeting, Toronto 2015

A Positive Analysis of Fairtrade Certification:

Canadian Economics Association Meeting, Calgary 2012

Association for Public Economic Theory (APET) Workshop on the Political Economy of
Development, Bangkok 2011

Certification Programs and North-South Trade:

European Economic Association Congress (Session Chair), Milan 2008

Canadian Resource and Environmental Economics Study Group Meeting, Ottawa 2007

April Midwest International Economics Group Meeting, Minneapolis 2007

Environmental Labeling:

Canadian Economics Association Meeting, Montreal 2006

OTHER CONFERENCE PARTICIPATION

DataFest 2019, Statistics Competition for Undergraduates, RIT (Organizing Committee and
Judge)

American Economic Association Annual Meeting, Atlanta 2010

United Nations Economic and Social Commission for Asia and the Pacific (ESCAP) Capacity
Building Workshop for Trade Research (Panel Moderator), Bangkok 2009

Far East Meetings of the Econometric Society, Singapore 2008

2008 Canadian Resource and Environmental Economics Study Group Meeting (Session

Chair), Toronto 2008
International Trade Study Group, University of Toronto 2008
Canadian Institute for Advanced Research, Toronto 2006
American Economic Association Annual Meeting, Boston 2006

GRADUATE STUDENTS

Nabil Safwat, Department of Information Systems & Technology, York University (MA Examining Committee Member) 2023
Xixi Guo, Department of Economics, York University (PhD Committee Member) 2021-
Colleen Kaiser, Faculty of Environmental Studies, York University (PhD Committee Member) 2019-2020
Yulia Neleptchenko, Department of Economics, York University (PhD Committee Member) 2017-2019

SCHOLARLY REVIEWS

American Economic Journal: Economic Policy, Canadian Journal of Economics, Czech Academy of Sciences, Economics Bulletin, Economic Theory Bulletin, International Economic Review, International Journal of Sustainable Economy, Journal of Development Economics, Journal of Economic Behavior and Organization, Journal of Economic Theory, Journal of Environmental Economics and Management, Journal of International Economics, Journal of Public Economic Theory (awarded a reviewer certificate for 2019 and 2021), Review of International Economics, The Journal of International Trade & Economic Development, The Quarterly Journal of Economics, Scientific Reports
Book Review: ECON Micro, First Canadian Edition by McEachern et al.

OTHER ACADEMIC EXPERIENCE

Project Leader, Bitcoin CO₂ Emissions Project 2023-
Member, Digital Currencies Group, York University 2022-
<https://www.yorku.ca/research/area/digitalcurrencies>
Guest Editor (joint with Henry Kim), Special Issue on “Socio-Economic Issues in Blockchain Design,” Journal of Risk and Financial Management, 2022-
Co-Chair, FinTech Cluster Research Group, York University, 2021-
Departmental Research Coordinator, York University, 2021-2022
Departmental Website Design Committee, York University, 2019-2020, 2022-23
Undergraduate Studies and Student Experience Committee, York University 2014-15
Department Representative, LA&PS International, York University, 2013-15
Department Representative, Faculty Council, York University, 2011-2012
Co-organizer, Economics Department Seminar, York University, 2008-09
Member, Undergraduate Curriculum Committee, York University, 2008-09, 2016-17
Appointments and Planning Committee, York University, 2007-08, 2009-10
Co-organizer, Economics Research Workshop, York University, 2006-08, 2016-17

MEMBERSHIP IN PROFESSIONAL ASSOCIATIONS

Canadian Economics Association, American Economic Association, European Economic Association, Canadian Resource and Environmental Economics Study Group, Association of Environmental and Resource Economists

LANGUAGE SKILLS

English (native), Slovak (fluent), French (intermediate)
Programming in MATLAB, Python, R, SAS