VALENTYN PANCHENKO

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EXPERIENCE

UNSW, Sydney, Australia — 10/2006 - present
Economics, UNSW Business School
Professor 01/17-
Head of School 01/19-12/21
Associate Professor 01/13-12/16
Senior Lecturer 07/08-12/12
Lecturer 10/06-07/08

- Past substantial roles: big data research network leader, Deputy Head of School; Honours Coordinator

University of Amsterdam, Amsterdam, the Netherlands — 09/2002 - 10/2006
Center for Nonlinear Dynamics in Economics and Finance
Research Associate
- Research project: Information Flows in Financial Markets
- Nonlinear statistical analysis, dependence measures

Oregon State University, Corvallis, OR, USA — 09/2000 - 06/2002
Department of Economics
Graduate Teaching Assistant /part-time/
- Tutoring in Economics
- Computer lab sessions

Parliament of Ukraine, Kyiv, Ukraine — 09/1999 - 06/2000
Committee for Economic Policy, Finance and Investment
Consultant
- Bills impact analysis
- Macro-economic research
- Models for exchange rate forecasting

Trident Consulting & Investing, Lviv, Ukraine — 07/1997 - 09/1999
Department of Market Researches
Project Manager /part-time/
- Processing market data, preparing reports and presentations
- Economic climate consulting for foreign investments
- Controlling department financial flows: revenue/cost analysis

EDUCATION

University of Amsterdam, the Netherlands — 09/2002 - 10/2006
Center for Nonlinear Dynamics in Economics & Finance,
Financial Econometrics, Ph.D.
- Dissertation: Nonparametric Methods in Economics and Finance: Dependence, Causality and Prediction
  Supervisors: Cees Diks and Cars Hommes

Tinbergen Institute, Amsterdam, the Netherlands — 09/2002 - 07/2004
Economics, M.Phil.

Oregon State University, Corvallis OR, USA 09/2000 - 06/2002
Economics & Business Administration, M.Sc.
- Senator Edmund S. Muskie Fellowship

Ivan Franko Lviv National University, Lviv, Ukraine 09/1995 - 06/2000
International Finance, B.A. (cum laude)

Lviv State University of Technology, Lviv, Ukraine 09/1995 - 06/1999
Computer science, B.S. (cum laude)

RESEARCH INTERESTS

Econometric and statistical methods
- Time series models
- Estimation for networks
- Dependence measures and copulas
- Non-parametric and semi-parametric econometrics

Structural modeling
- Networks, Expectations and Bounded Rationality, Behavioral Economics, Macroeconomics

REFEREED PUBLICATIONS

1. "The Role of Information in a Continuous Double Auction: an Experiment and Learning Model", 2022, with Mikhail Anufriev, Jasmina Arifovic and John Ledyard, ***Journal of Economic Dynamics and Control***, *conditionally accepted*
2. "Learning in Two-Dimensional Beauty Contest Games: Theory and Experimental Evidence", 2022, with Mikhail Anufriev and John Duffy, ***Journal of Economic Theory*,** 201**,** 105417.
3. "On the experimental robustness of the Allais paradox", 2022, with Pavlo Blavatskyy and Andreas Ortmann, ***American Economic Journal: Microeconomics,*** 14(1), 143-163.
4. "Wright meets Markowitz: How standard portfolio theory changes when assets are technologies following experience curves", 2019, with Rupert Way, Fabrizio Lillo, François Lafond and J. Doyne Farmer, ***Journal of Economic Dynamics and Control***, 101, 211-238.
5. "Connecting the dots: Econometric methods for uncovering networks with an application to the Australian financial institutions", 2015, with Mikhail Anufriev, ***Journal of Banking and Finance***, 61, S214-S255
6. "Comparing the Accuracy of Copula-Based Multivariate Density Forecasts in Selected Regions of Support", 2014, with Cees Diks, Oleg Sokolinskiy and Dick van Dijk, ***Journal of Economic Dynamics and Control***, 48, 79-94.
7. "Asset Price Dynamics with Heterogeneous Beliefs and Local Network Interactions", 2013, with Oleg Pavlov and Sergij Gerasymchuk, ***Journal of Economic Dynamics and Control,*** 37, 2623–2642.
8. "Efficiency of continuous double auctions under individual evolutionary learning with full or limited information", 2013, with Mikhail Anufriev, Jasmina Arifovic and John Ledyard, ***Journal of Evolutionary Economics***, 23, 539–573.
9. "Likelihood-based scoring rules for comparing density forecasts in tails", 2011, with Cees Diks and Dick van Dijk, ***Journal of Econometrics***, 163, 215-230.
10. "Out-of-sample comparison of copula specifications in multivariate density forecasts ", 2010, with Cees Diks and Dick van Dijk, ***Journal of Economic Dynamics and Control***, 34, 1596–1609.

11. "Learning and adaptation's impact on market efficiency", 2010, with David Goldbaum, ***Journal of Economic Behavior and Organization***, 76 , 635-653.
12. "Is there a Symmetric Nonlinear Causal Relationship between Large and Small Firms?" 2010, with Bill B. Francis and Mbodja Mougoué, ***Journal of Empirical Finance***, 17, 23-38
13. "Time-varying market integration and stock and bond return concordance in emerging markets", 2009, with Eliza Wu, ***Journal of Banking and Finance***, 33, 1014-1021
14. "Asset Prices, Traders' Behavior, and Market Design" with Mikhail Anufriev, 2009, ***Journal of Economic Dynamics and Control***, 33, 1073-1090
15. "Rank-based entropy tests for serial independence", 2008, with Cees Diks, ***Studies in Nonlinear Dynamics and Econometrics***, 12, art. 2
16. "E&F Chaos: a user friendly software package for nonlinear economic dynamics", 2008, with Cees Diks, Cars Hommes and Roy van der Weide, ***Computational Economics***, 32, 221-244
17. "Impact of analysts' recommendations on stock performance", 2007, ***European Journal of Finance***, 13, 165-179
18. "Nonparametric tests for serial independence based on quadratic forms", 2007, with Cees Diks, ***Statistica Sinica***, 17, 81-98
19. "A new statistic and practical guidelines for nonparametric Granger causality testing", 2006, with Cees Diks, ***Journal of Economic Dynamics and Control***, 30, 1647-1669
20. "Heterogeneous beliefs under different market architectures", 2006, with Mikhail Anufriev, in ***Advances in Artificial Economics***, Bruun, C. (Ed.), Series: Lecture Notes in Economics and Mathematical Systems, Vol. 584, Springer, 3-15
21. "A note on the Hiemstra-Jones test for Granger non-causality", 2005, with Cees Diks, ***Studies in Nonlinear Dynamics and Econometrics***, 9, art. 4
22. "Goodness-of-fit test for copulas", 2005, ***Physica A***, 355, 176-182

WORKING AND SUBMITTED PAPERS

1. "How common is the common-ratio effect?", with Pavlo Blavatskyy and Andreas Ortmann, revision submitted to ***Experimental Economics***
2. "Estimation of a scale-free network formation model" with Anton Kolotilin, being revised for ***Journal of Econometrics***
3. "Predicting Intraday Return Patterns based on Overnight Returns for the US Stock Market" with Hao Li and Cees Diks
4. "Endogenous network topology in the interbank lending market", with Mikhail Anufriev Andrea Deghi and Paolo Pin
5. "Efficient Estimation of Parameters in Marginals in Semiparametric Multivariate Models" with Artem Prokhorov
6. "The network view on input-output analysis for Australia" with Mikhail Anufriev and Evgenia Goryacheva
7. "Local interactions in a market with heterogeneous expectations" with Mikhail Anufriev and Andrea Giovannetti
8. "Bayesian Estimation of the Heuristic Switching Model using Experimental Data" with Mikhail Anufriev and Cars Hommes

STUDENT SUPERVISION

Honours students: Tina Wang, 2007, Anatoly Logunov, 2011,
Sam Forrest, 2012, Matt Smart, 2013, Roger Dong, 2014, Luka Raznatovic, 2015,
Timothy Lo, 2015-2016, Jeff Heung, 2016.
PhD students: Robert Wallner, 2008-2011, Alan Rai, 2008-2013, Wei Tian, 2017-2021,
Akashlina Arno, 2018- Yangqi Zhang 2020-.

EDITORIAL SERVICE

Studies in Nonlinear Dynamics & Econometrics, Associate Editor 01/2017-

REFEREEING

Journal of Econometrics, Econometric Theory, Journal of Economic Dynamics and Control, Econometric Reviews, Economic Record, Australian & New Zealand Journal of Statistics, Journal of Economic Interaction and Coordination, Methodology and Computing in Applied Probability, Canadian Journal of Statistics, Studies in Nonlinear Dynamics and Econometrics, Insurance: Mathematics and Economics, Economic Record, International Journal of Forecasting, Energy Economics, Physica A, book reviews for Routledge Economics and Academic Press

GRANTS AND AWARDS

1.	Australian Research Council Discovery Grant (Chief Investigator in the team of three CIs), for five years, 2017-2021,	AUD 386,000	11/2016
2.	Centre of Excellence for International Finance & Regulation grant for two years, 2014-2015,	AUD 62,000	11/2013
3.	Australian Research Council Discovery Early Career Researcher Award for three years, 2012-2014,	AUD 375,000	11/2011
4.	Australian Research Council Discovery Grant (Chief Investigator in the team of three CIs), for three years, 2012-2014,	AUD 750,000	10/2011
5.	Standard Research Grant of Social Sciences and Humanities Research Council, Canada (collaborator) for 2 years,	CAD 40,000	10/2009
6.	Reserve Bank of New Zealand-NZ Econometric Study Group Research Award	NZD 250	03/2009
7.	Australian School of Business Research Grant, UNSW	AUD 20,000	02/2008
8.	Australian Research Council Discovery Grant (sole Chief Investigator), for three years, 2009-2011,	AUD 105,000	10/2008
9.	ASB Research Grant, UNSW	AUD 15,000	12/2007
10.	Early Carrier Researcher Travel Scheme Grant, UNSW,	AUD 3,000	06/2007
11.	Special Research Grant, Faculty of Business, UNSW,	AUD 5,000	11/2006
12.	NBER/NSF Travel Grant (Time series conference),	EUR 850	09/2005
13.	NBER/NSF Travel Grant (Time series conference),	USD 1,000	09/2004
14.	Senator Muskie Fellowship for Graduate Studies,	USD 50,000	09/2000