
CONTACT INFORMATION	1 Arts Link, AS2 #04-29 Department of Economics National University of Singapore Singapore 117570	SG phone: +6593585854 US phone: +13026900618 E-mail: ecsztb@nus.edu.sg WWW: www.tomzylkin.com
CURRENT APPOINTMENT	National University of Singapore , Singapore <i>Postdoctoral Fellow in Economics</i> Department of Economics and Global Production Networks Centre	June 2015-present
EDUCATION	Drexel University , Philadelphia, Pennsylvania USA Ph.D., Economics, 2015 University of Pennsylvania , Philadelphia, Pennsylvania USA B.A., Mathematics and English (hons.), 2005	
VISITING PERIODS	Yale University , New Haven, Connecticut USA <i>Visiting Assistant in Research</i> Visiting in Yale's International Trade group under the Visiting Assistant in Research program.	Fall 2013
RESEARCH INTERESTS	International Economics; Gains from Trade; Trade Agreements; Trade and Armed Conflict	
PUBLICATIONS	Uysal, P., Y. V. Yotov, and T. Zylkin. 2015. Firm Heterogeneity and Trade-Induced Layoffs: An Empirical Investigation . <i>European Economic Review</i> , 75, 80-97. Dai, M., Yotov, Y. V., and T. Zylkin. 2014. On the Trade Diversion Effects of Free Trade Agreements . <i>Economics Letters</i> , 122(2), 321-325.	
WORKING PAPERS	Feeding China's Rise: The Growth Effects of Trading with China, 1993-2011 (Job market paper) Beyond Tariffs: Quantifying Heterogeneity in the Effects of Free Trade Agreements . On the Widely-differing Effects of Free Trade Agreements: Lessons from Twenty Years of Trade Integration (with Scott Baier and Yoto Yotov) The Problem of Peace: A Story of Corruption, Destruction, and Rebellion (with Constantinos Syropoulos)	
IN PROGRESS	Political Distance and Trade (with Davin Chor and Lou Jing) Prudence versus Predation and the Gains from Trade (with Michelle Garfinkel and Constantinos Syropoulos)	
TEACHING EXPERIENCE	National University of Singapore , Singapore <i>Instructor</i> • ECON 4342 Honours International Trade. Spring 2016. Drexel University , Philadelphia, Pennsylvania USA <i>Instructor</i> • "Math Camp" for incoming LeBow Ph.D. students. Fall 2012 • ECON 201 Principles of Microeconomics. Summer 2012, Winter 2013. • ECON 498 Applied International Trade. Original, self-designed course. Spring 2014.	June, 2015 - present June, 2012 - June, 2015

INVITED PRESENTATIONS	<p>2016-2017: Australasia Trade Workshop (University of Queensland, scheduled); Penn State University; Drexel University; Midwest International Trade Meetings (Purdue University); Australasia Trade Workshop (University of Adelaide); UC-Irvine Workshop on Trade and Conflict; SMU-NUS Joint Trade Workshop</p> <p>2015: University of Central Florida; Southern Illinois University; U.S. International Trade Commission; Midwest International Trade Meetings (Ohio State University)</p> <p>2014: Southern Economic Association Annual Meetings (Atlanta, GA); Institutions, Trade, and Economic Development Workshop (University of Oregon)</p> <p>2013: Midwest International Trade Meetings (University of Michigan); Institutions, Trade, and Economic Development Workshop (University of Exeter); Yale University International Trade Lunch; Swarthmore College Summer Economics Series</p>				
SOFTWARE	<p>Stata, Mata, MATLAB, R, Latex.</p> <p>ppml_panel_sg: Stata command for fast Poisson PML estimation of panel “gravity” models with arbitrarily many fixed effects.</p> <ul style="list-style-type: none"> Featured in the World Trade Organization’s “An Advanced Guide to Trade Policy Analysis”. 				
HONORS AND AWARDS	<p>Drexel University Doctoral Research Excellence Award, 2014</p> <p>Lindau Nobel Laureate Meeting in Economic Sciences Young Scientist Award, 2014</p> <p>LeBow College of Business Outstanding Economics Stream Research Paper Award, 2014</p> <p>LeBow College of Business Outstanding Economics Stream Research Paper Award, 2013</p> <p>Drexel University Teaching Excellence Award, 2013</p> <p>Drexel University Provost Fellowship for Research, 2009</p> <p>University of Pennsylvania: award of Distinction in English, 2005</p>				
REFEREEING	<p><i>Review of International Economics; Economics Letters; B.E. Journal of Economic Analysis and Policy; Economics of Governance; Eastern Economic Journal; Open Economies Review.</i></p>				
PROFESSIONAL AFFILIATIONS	<p>Institutions, Trade and Economic Development Network (INSTED), University of Exeter; Global Production Networks Centre (GPN@NUS), National University of Singapore</p>				
IN OTHER MEDIA	<p>TV Appearance. “Populist Uprisings”, <i>Insight</i>, Channel NewsAsia, September 1st, 2016.</p> <p>Newspaper interview. “Nervous days for Asia-U.S. relations as Trump takes office”, by Ben Ho, <i>Today</i>, January 4th, 2016 print edition.</p>				
PERSONAL INFORMATION	<p>Citizenship: U.K./U.S. (dual national)</p> <p>Date of Birth: May 26th, 1982</p> <p>Hometown: Wilmington, DE USA</p>				
REFERENCES	<table border="0"> <tr> <td>Davin Chor Department of Economics National University of Singapore davinchor@nus.edu.sg</td> <td>Constantinos Syropoulos School of Economics Drexel University cas86@drexel.edu</td> </tr> <tr> <td>Yoto V. Yotov School of Economics Drexel University yvy23@drexel.edu</td> <td>Vibhas Madan School of Economics Drexel University madanv@drexel.edu</td> </tr> </table>	Davin Chor Department of Economics National University of Singapore davinchor@nus.edu.sg	Constantinos Syropoulos School of Economics Drexel University cas86@drexel.edu	Yoto V. Yotov School of Economics Drexel University yvy23@drexel.edu	Vibhas Madan School of Economics Drexel University madanv@drexel.edu
Davin Chor Department of Economics National University of Singapore davinchor@nus.edu.sg	Constantinos Syropoulos School of Economics Drexel University cas86@drexel.edu				
Yoto V. Yotov School of Economics Drexel University yvy23@drexel.edu	Vibhas Madan School of Economics Drexel University madanv@drexel.edu				

Abstracts

JOB MARKET PAPER

Feeding China's Rise: The Growth Effects of Trading with China, 1993-2011

How much has China's trade expansion contributed to world economic growth over the last two decades? I investigate this question through the lens of a dynamic trade and growth model that combines endogenous capital accumulation with a rich sectoral dimension, where each sector differs in its usage as an input to consumption, investment, and production.

The central tension at the heart of the analysis concerns how the changing sectoral composition of China's trade may have had potentially competing effects on the real incomes of its trading partners. For example, the existing literature has emphasized that, because China's export growth has been heavily biased towards manufacturing sectors, it is possible that China's growth has made other manufacturing-exporting countries worse off by eroding their terms of trade. The unique contribution I provide, however, is to also model how changes in sectoral-level trade can have additional implications for capital accumulation by shifting the cost of investment and/or the return to capital.

Overall, I find that changes in China's sectoral trade patterns during the period 1993-2011 have generally incentivized increased capital accumulation in other countries, both through its increased exports of capital goods (which serve as key inputs for investment) and through its increased appetite for non-manufacturing imports (which tend to be capital-intensive). These "dynamic sectoral linkages" greatly enrich the welfare implications of an equivalent "static" framework without capital formation: long-run real income gains from the dynamic model exceed static gains by a factor of more than ten, largely due to favorable changes in industry-level prices. They also reverse short-run losses for the handful of countries that suffer initially from China's change in comparative advantage.

PUBLICATIONS

Firm Heterogeneity and Trade-Induced Layoffs: An Empirical Investigation.

We use a novel data set with verified observations of trade-induced job losses to study how firm productivity and exposure to tariff reductions jointly determine the number of job losses due to trade. Guided by the predictions of the Melitz (2003) heterogeneous firms theory, we find the number of trade-induced layoffs decreases with firm productivity for exporting firms, but actually *increases* with productivity for non-exporters.

European Economic Review, 75, 80-97. 2015. With Pinar Uysal and Yoto Yotov.

On the Trade Diversion Effects of Free Trade Agreements

Our novel gravity estimation approach uses pair-wise variation in "outside FTA's"—agreements either trading partner has with a third country—to confirm that FTAs divert trade away from non-member countries. Interestingly, we find that diversion from internal trade (domestic sales) due to FTAs has been significantly stronger than diversion from external trade.

Economics Letters, 122(2), 321-325. 2014. With Mian Dai and Yoto Yotov.

WORKING PAPERS

Beyond Tariffs: Quantifying Heterogeneity in the Effects of Free Trade Agreements.

Using NAFTA for illustration, I examine heterogeneity in the effects of FTAs, both within and across agreements. Notably, the heterogeneous effects I find within NAFTA differ from expectations based on pre-NAFTA tariffs, especially NAFTA's surprisingly large effects on Mexico's exports. This surprising heterogeneity in turn has first-order implications for evaluating NAFTA's welfare benefits. Evidence from other FTAs signed during the 1990s suggests FTAs between countries with differing development levels have generally favored the exports of the less developed partner.

WORKING PAPERS, **On the Widely-differing Effects of Free Trade Agreements: Lessons from Twenty Years of Trade Integration** (with Scott Baier and Yoto Yotov)
CONTINUED

We develop a novel two-stage methodology that allows us to study and predict heterogeneity in the effects of FTAs. We offer several intuitive ways of explaining the rich variation we observe in our estimates of FTA effects. Even within the same agreement, FTA effects are weaker for more distant pairs and for pairs with otherwise high levels of *ex ante* trade frictions. Guided by theory, we are also able to relate asymmetric effects within pairs to each country's ability to influence the other's terms of trade. We demonstrate the usefulness of our methods by simulating the effects of TTIP.

- Featured paper, [CESifo November 2016 Newsletter](#).

The Problem of Peace: A Story of Corruption, Destruction, and Rebellion

(with Constantinos Syropoulos)

We explore how the central presence of state institutions in civil conflicts generates unique explanations for the emergence of destructive war. We do so in a model where a kleptocratic government and an equally self-interested "rebel" rival compete for insecure resources by raising armies from a common labor population. We show the government may actively favor conflict in this setting, even though conflict results in wasteful destruction, in order to enhance the value it derives from its use of fiscal policy.

TECHNICAL NOTE **PPML_PANEL_SG: Stata module to estimate structural gravity models via Poisson PML.**

Describes and demonstrates a "high dimensional fixed effects" algorithm for estimating the effects of trade policies and other trade barriers using Poisson PML. Key features include a check for existence of estimates, allowance for multiple industries, and options to use pair fixed effects and time trends.

- Featured in the World Trade Organization's "[An Advanced Guide to Trade Policy Analysis](#)".