

Curriculum Vitae

Shamnaaz B. SUFRAUJ, Ph.D.

Personal information

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Nationality Mauritian

Date of birth 19 March 1979

Gender Female

Education and training

**July 2012-
July 2013** **Post-doc Research Fellow, School of International Studies,
University of Trento, Italy**

Project title "The Structure and Growth of World Trade and the Role of Europe in the Global Economy"—Trade network dynamics and economic development"
This paper presents a simple stochastic model of proportionate growth to describe international trade and it applies this set-up to the relationship between export dynamics and economic development. The model combines the Barabasi and Albert (1999) model of preferential attachment with Herbert Simon's framework used to model socio-economic system dynamics. Trade flows are assumed to grow as a geometric Brownian motion while new trade links follow a preferential attachment mechanism, and these two processes are assumed to be independent. This simple set-up accurately describes many of the empirical features that characterize the structure and growth of the international trade network. Furthermore, it reconciles diverging views of industrial policy in the economic development literature: although export is very concentrated so that large bilateral flows are rare, countries characterized by a large number of export relations are more likely to capture such "big hits". The stochastic model provides a simple benchmark against which we can assess countries' export performance. We then investigate the determinants of deviation of empirical data from the predictions of the model in terms of the number of "big hits".

**November 2007-
November 2011** **Ph.D. Economics and Management,
University of Trento, Italy**

Thesis title Essays on Small Remote Island Economies: Trade, Network Analysis and Tourism

Keywords Small Islands Development; Distance; Network Analysis; Multifibre Agreement; International Trade; Global Value Chains; Tourism;
JEL classification: F13; F14; L67; L83; O50 ; R12

Subjects taken: Introductory Probability, Mathematical Statistics, Behavioural Economics, Microeconomic Theory, Experimental Economics, Game Theory, Introductory Econometrics, Organisation Theory, Advance Course in Marketing; Tourism Research, Environmental Evaluation, Discrete Choice Modelling, International Trade

April 2010 -August 2010	Visiting Ph.D. scholar, Institute of Development Studies, Massey University, New Zealand
December 2004 - November 2006	Master in Business Administration (Economics, Communication and Management) Université de Poitiers, France
Thesis title	What strategic direction amidst an ever changing economic, political, and social environment? The case of a para-statal body providing support to SMEs.
Subjects taken:	International Economics; Fiscal Law, Business Law and Social Law; Human Resources management; Analytical Finance; Financial Management and Policy; Marketing, Communication; Operations Management; Project management; Production Management; Strategic and Organisational Management; Management control; Information Systems and Office Management; Statistics, Personal Development; Simulation Games.
July 1999 - July 2002	Bachelor in Economics, Bangalore University, India
Subjects taken:	Quantitative Method in Economics, International Economics, Development Economics, General Psychology, Industrial Psychology, General Sociology, Industrial Sociology Rank: First Class
1999	British Computer Society Part I
1996-1998	Cambridge Higher School Certificate, Queen Elizabeth College Awarded a scholarship for high performance
Subjects taken (Grades, A is the highest):	Economics A, Mathematics A, Computing A
1995	Cambridge School Certificate, Loreto Convent Rose-Hill
Subjects taken:	English Language A; Economics B; French A; Mathematics A; Additional Mathematics A; Principles of Accounts A; Optional: Literature in English B; Optional: Computer Studies B
<u>Work experience</u>	
Sep 2014-	Contract Lecturer, Methods of Social Science Research, Faculty of Sociology, University of Trento Develop course content and deliver course; tutoring of students
July 2014	Trainer in Business English, For Action Associazione Culturale Develop course content and deliver course
February 2014-Sep 2014	Contract Lecturer, Statistical analysis of data, University of Trento Develop course content and deliver course; tutoring of students
February 2014-May 2014	Consultant (short-term), World Bank I performed the econometrics analysis on the project "Is Seasonality Still Permeating African Agriculture? Evidence from Market-Level Price Series and Household Survey Data", with Christopher L. Gilbert, Jonathan Kaminski, Luc Christiaensen and Christopher Udry.
November 2013 -December 2013	Research collaborator, School of International Studies, University of Trento, Italy
Project description:	Constructed and analysed an energy database using network analysis among other things. Investigated patterns of energy export. In addition, I contribute to a manuscript dedicated to the Palestinian economy through a collection and synthesis of the relevant literature among others.

<p>July 2013 September 2013 Project title:</p>	<p>Research collaborator, Faculty of Economics, University of Trento, Italy “International Trade Networks: Empirical Analysis and Theoretical Models”, PRIN 2009 This project analyses the patterns of world trade at different level of aggregation (firms, sectors, countries) through simulation using a stochastic model of growth. The results of the simulation are compared with empirical ones. Comparative analysis of both empirical and simulated “Big hits ” in manufacturing of Italy, Germany, China and the world using complex network analysis. An econometric method using novel Bayesian model averaging estimation techniques to investigate the determinants of deviations in big hits’ performance from a simulated benchmark.</p>
<p>January 2010 -Present Main activities and responsibilities Trained:</p>	<p>Independent Consultant and Instructor, Design, develop, manage, evaluate and deliver Business English and Management courses HostessPro, FERCAM managers, Carabinieri (Italian military police), Military School, Individual managers and so on.</p>
<p>February 2012 -May 2012</p>	<p>Personal Tutor, Wall Street Institute, Trento, Italy Managing, instructing and tutoring clients on English and business English</p>
<p>November 2011 -November 2012 Main activities and responsibilities</p>	<p>Lecturer, Introduction to Management, Bachelor in Economics and Social Sciences, University of Bolzano, Italy Course content development, students follow-up, lectures</p>
<p>October 2009 Main activities and responsibilities</p>	<p>Guest lecturer, Application of Network Analysis Master in International Management, University of Trento, Italy Develop content and deliver course</p>
<p>September 2006 - September 2007 Main activities and responsibilities</p>	<p>Training and Development Coordinator, Regional Training Centre, Mauritius Managed training and consultancy projects for industries operating in various sectors: tourism, manufacturing, small businesses, education; Conducted training needs assessments, designed and developed training, undertook job profiling exercises, delivered training; Marketed training courses/projects with local and international clients; Initiated and maintained public relations activities and partnerships; fund raising; Responsible for the Quality Management System; Conducted studies, research, surveys, reports and presentations; Participated and represented RTC in committees related to training at national and international level.</p>
<p>February 2005 - August 2006 Main activities and responsibilities</p>	<p>Business Development Officer, Small and Medium Industries Development Organisation, Mauritius and Rodrigues In charge of Rodrigues island Regional Office (2005); Conduct market and feasibility studies; writing business plans; Identify business opportunities; Business counselling; Strategic and organisational counselling; Consultancy on operations and management control Deliver training to entrepreneurs; Research on SMEs</p>

**January 2003
- February 2005**
Main activities and responsibilities

Education Officer, Economics and Business, Rodrigues Educational Development Company (Rodrigues College), Mauritius

Head of Department (Economics and Business)
Supervise and coordinate staffs in the department;
Lecturing economics to A level students;
Contribute to the educational development of the students

**March 1999
- July 1999**

Business Services Division , Mauritius Telecom, Mauritius
Contribute to the compilation of a new database for business customers
Secretarial duties

Personal skills and competences

Mother tongue
Language(s)

French and creole

Self-assessment
European level ()*

English
French
Italian
Urdu
Romanian

Understanding		Speaking		Writing
Listening	Reading	Spoken interaction	Spoken production	
Advanced	Advanced	Advanced	Advanced	Advanced
Advanced	Advanced	Advanced	Advanced	Advanced
Advanced	Advanced	Intermediate	Intermediate	Intermediate
Intermediate	Basic	Basic	Basic	Basic
Intermediate	Intermediate	Basic	Basic	Basic

(*) [Common European Framework of Reference for Languages](#)

Publications

1. The structure and growth of world trade and the role of Europe in the Global Economy (with Stefano Schiavo and Massimo Riccaboni), *Working paper, School of International Studies, University of Trento, January 2014*
http://www.unitn.it/files/download/34070/wp2014_1_schiavoc.pdf
Newer version submitted to Review of International Economics Journal.
2. The implications of the elimination of the multifibre agreement on small remote island economies: a network analysis, *Department of Economics Working paper, University of Trento, no. 01, 2012.*
<http://www.unitn.it/files/download/20803/0112sufrauj.pdf>
3. Remoteness and islandness as resources: evidence from the tourism performance of small remote island economies (SRIEs), *European Journal of Tourism, Hospitality and Recreation, Vol. 2, 2, March 2011*
https://iconline.ipleiria.pt/bitstream/10400.8/442/1/3_ejthr_vol2_issue_1_Islandness_and_remoteness.pdf

Work-in-progress

1. The persistence of Big hits in manufacturing: Italy vs Germany (with Stefano Schiavo)
2. Did the quota-free environment encourage upgrading in the textile and clothing industries of small remote island economies? A unit-value analysis.
3. Small, remote and beautiful: an economic description of islands.

Professional Training/ Conferences

2013 School of international studies, University of Trento, Guest lecture series (delivered lecture)

2013 4th International Workshop on Social Network Analysis. Networks in Space and Time, University of Roma 3 (delivered presentation)

2013 *CompleNet 2013* : 4th Workshop on Complex Networks, Berlin Malta (delivered presentation)

2012 Italian Trade Study Group (ITSG) International workshop, University of Trento

2011 Island Dynamics Conference, Malta (delivered presentation)

2010 Consumer behaviour in Tourism Symposium, Bruneck, University of Bolzano, Italy (delivered presentation)

2010 Institute of Development Studies, Massey University, New Zealand (delivered two presentations)

2009 Trento Summer school on Network and Innovation, Sardinia-Italy (delivered presentation)

2009 Summer School on Geography of Tourism, University of Bologna, Rimini-Italy

2009 Trade Net Workshop 2.0, Institute of Advanced Studies, Lucca-Italy (delivered presentation)

2009 Advance course in Marketing and Tourism research, University of Trento-Italy

2009 Advance course in Discrete Choice Modelling, University of Trento-Italy

2009 Fundamentals and Methods for Impact Evaluation of Public Policies, IRVAPP, Trento-Italy

2008 Growth, Trade and Environment: State of the art and future research perspectives, Venice International University, Venice-Italy

2008 Summer school on Monitoring Sustainable Tourism, Sardinia-Italy

2007 Internal Quality Audit Course at AJA Training Centre, Mauritius

2007 Effective negotiation skills, Regional Training Centre, Mauritius

2007 All Africa IVETA/ Regional IFTDO / ASTD Conference "Integration of Education and Training to Achieve Occupational Competence for Sustainable Development In Africa", Mauritius

2006 Moderation of Planning workshop/ZOPP Techniques, Mauritius

Awards

1999 Indian Council for Cultural Relations (ICCR) Scholarship

2007 Grant to pursue doctoral studies, University of Trento

Computer skills and competences	MS Office packages; STATA; Matlab; Ucinet; NetDraw; Oxmetrics; SocNetV; Gephi; Eviews; Cytoscape, etc
Organisational skills and competences	Excellent management and communication skills; proven capacity to lead and work in a team; dynamic and flexible person.
Other skills and competences	LONRHO award 3 rd prize (1997); Body language proficiency; Snooker and Pool; Guitar (Beginner), Basket-Ball; President Junior Chamber International (2004) Rodrigues; Directed Business forum on tourism (2005); President Pledge 25 Club; Represented economics doctoral students in consiglio di dipartimento (2009-2010)

References

1. Stefano Schiavo
Professor at School of international studies, University of Trento, Italy
Via Tomasso Gar, 38122 Trento, Italy
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Tel: +39 0461 282223
Relation: Post-doc supervisor
2. Richard Pomfret
Professor of Economics, University of Adelaide, Australia
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Relation: Research advisor
3. Christopher L. Gilbert
Professor of Econometrics
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38122 Trento, Italy
Email: christopher.gilbert@unitn.it
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Relation: Doctoral thesis supervisor and advisor

Other references available on request