

ZHEN ZHU

PRESENT ADDRESS

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University of Greenwich
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PERSONAL INFORMATION

Date of Birth: 20 January 1986
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CURRENT POSITION

Lecturer in Network Science, University of Greenwich, UK, Jan/2018-present

PREVIOUS POSITIONS AND VISITS

Guest Scholar, IMT School for Advanced Studies Lucca, Italy, Nov/2017-Dec/2017

Visiting Research Fellow, SCERI, Stockholm School of Economics, Sweden, Sep/2017-Dec/2017

Post-Doctoral Fellow, IMT School for Advanced Studies Lucca, Italy, Jul/2013-Oct/2017

EDUCATION

Ph.D. Economics, University of Arkansas, Fayetteville, AR, USA, 2009-2013

M.A. Economics, University of Arkansas, Fayetteville, AR, USA, 2008-2009

Exchange Program, Lingnan University, Hong Kong, China, 2006

B.A. Economics, Northeastern University, China, 2004-2008

RESEARCH INTERESTS

Network Science, Data Science, Applied Econometrics

PUBLICATIONS

Journal Articles

- **Zhu, Z.**, Morrison, G., Puliga, M., Chessa, A., and Riccaboni, M. (in press) “The Similarity of Global Value Chains: A Network-Based Measure,” *Network Science*.
- Piccardi, C., Riccaboni, M., Tajoli, L., and **Zhu, Z.** (in press) “Random Walks on the World Input-Output Network,” *Journal of Complex Networks*.
- Metulini, R., Riccaboni, M., Sgrignoli, P., and **Zhu, Z.** (2017) “The Indirect Effects of Foreign Direct Investment on Trade: A Network Perspective,” *The World Economy*, 40(10), 2193-2225.
- Ferrier, G., Reyes, J., and **Zhu, Z.** (2016) “Technology Diffusion on the International Trade Network,” *Journal of Public Economic Theory*, 18(2), 291-312.
- Cerina, F., **Zhu, Z.**, Chessa, A., and Riccaboni, M. (2015) “World Input-Output Network,” *PLOS ONE*, 10(7): e0134025.

- **Zhu, Z.**, Puliga, M., Cerina, F., Chessa, A., and Riccaboni, M. (2015) “Global Value Trees,” *PLOS ONE*, 10(5): e0126699.
- **Zhu, Z.**, Cerina, F., Chessa, A., Caldarelli, G., and Riccaboni, M. (2014) “The Rise of China in the International Trade Network: A Community Core Detection Approach,” *PLOS ONE*, 9(8): e105496.
- Deck, A., Deck, C., and **Zhu, Z.** (2014) “Decision Making in a Sequential Game: The Case of Pitting in NASCAR,” *Journal of Sports Economics*, 15(2), 132-149.

Conference Proceedings

- Gao Y., **Zhu Z.**, and Riccaboni M. (2018) “Consistency and Trends of Technological Innovations: A Network Approach to the International Patent Classification Data.” In: Cherifi C., Cherifi H., Karsai M., Musolesi M. (eds) *Complex Networks & Their Applications VI*. COMPLEX NETWORKS 2016 2017. Studies in Computational Intelligence, vol 689. Springer, Cham.

CONFERENCES, SEMINARS, AND MEETINGS

- 2017: Lars-Erik Thunholms Foundation for Scientific Research board meeting (Stockholm, Sweden, Nov/6/2017), SCERI, Stockholm School of Economics (Stockholm, Sweden, Oct/10/2017), Hunan University (Changsha, China, Apr/25/2017, invited).
- 2016: European Trade Study Group (Helsinki, Finland, Sep/10/2016).
- 2015: The 4th Annual CIRANO-Walton Workshop on Networks in Trade and Finance (Montreal, Canada, Oct/02/2015), European Trade Study Group (Paris, France, Sep/11/2015), NetSci International School and Conference on Network Science (Zaragoza, Spain, Jun/03/2015, poster session), The “ViWaN: Global Virtual Water Network” research project meeting (Lucca, Italy, Apr/23/2015).
- 2014: GR:EEN Workshop (Milan, Italy, Dec/15/2014), Asian Dynamics Initiative Annual International Conference (Copenhagen, Denmark, Oct/24/2014), The “Crisis Lab” research project meeting (Rome, Italy, Oct/02/2014), European Conference on Complex Systems (Lucca, Italy, Sep/22e25/2014), European Trade Study Group (Munich, Germany, Sep/13/2014), The “ViWaN: Global Virtual Water Network” research project meeting (Trento, Italy, Mar/20/2014).
- 2013: IMT Lucca (Lucca, Italy, Dec/04/2013).
- 2012: University of Arkansas (Fayetteville, AR, USA, Nov/02/2012).
- 2011: Southern Economic Association Meetings (Washington, DC, USA, Nov/20/2011).

TEACHING EXPERIENCE

Invited Speaker, TAG Innovation School
Business Data Analysis, Spring 2017 (graduate)

Instructor, IMT Lucca
Decision-Making in Economics and Management, Spring 2017 (graduate)
International Economics and Business, Spring 2015 (graduate)

Teaching Assistant, IMT Lucca
Marketing Science and Consumer Behavior, Spring 2016 (graduate)

Guest Lecturer, IMT Lucca

Advanced Topics of Management Science, Spring 2014 (graduate)

Instructor, University of Arkansas

Macroeconomic Theory, Spring 2013 (undergraduate)

International Macroeconomics and Finance, Fall 2012 (undergraduate)

Principles of Macroeconomics, Fall 2011, Spring 2012 (undergraduate)

Supplemental Instructor, University of Arkansas

Principles of Macroeconomics, Spring 2011 (undergraduate)

Teaching Assistant, University of Arkansas

Principles of Macroeconomics, Fall 2008, Spring 2009 (undergraduate)

Basic Economics, Fall 2008, Spring 2009 (undergraduate)

Microeconomic Theory, Spring 2009 (undergraduate)

STUDENT ADVISING

Xu Wang (co-advisor; PhD in Management Science; IMT Lucca; 2017)

Yuan Gao (co-advisor; PhD in Management Science; IMT Lucca; in progress)

HONORS AND AWARDS

Graduate Student Award, Southern Economic Association, 2011

Outstanding MA Economics Student Award, University of Arkansas, 2009

Membership in Beta Gamma Sigma, University of Arkansas, 2009

Excellent Student Award, Northeastern University, China, 2006

First Class Scholarship, Northeastern University, China, 2006

COMPUTER SKILLS

OS: Linux, Windows

Editing: Vim

Scientific Computing: Python, Matlab

Statistical Programming: R, Stata, Eviews

Word Processing: L^AT_EX

LANGUAGES

English: Fluent; Italian: Basic; Chinese: Native

ACADEMIC REFERENCES

Available upon request.