

# Curriculum Vitae

Yuxiang YE

(February 2021)

## PERSONAL DETAILS

First name: Yuxiang

Surname: Ye

Gender: Female

E-mail: yuxiang.ye@up.ac.za

Marital Status: Married

Nationality: Chinese (citizenship)

Residence: South Africa (permanent residence)

## PROFILE

Dr Yuxiang Ye obtained her PhD in Economics from University of Pretoria in 2020. In her thesis entitled “Energy demand and energy poverty: a reconsideration of household basic needs”, she investigated factors associated with household energy demand, as well as the consequence of the inability to meet household energy requirements, namely energy poverty. The study presented a modelling method for the estimation of required household energy consumption by assuming that basic household energy needs relate to household size and composition. The proposed novel method for required energy consumption offers options for the development of accurate measurement of energy poverty to ensure that energy policies targeting energy poor households can be designed more efficiently. Currently she is a postdoctoral fellow, working on two major topics during her post-doc research. One aims to measure energy poverty in South Africa with a multidimensional approach, and the other is to explore South African domestic electricity load patterns across a long time period.

Her research interests include energy economics, energy poverty, residential energy demand and electricity load profiles. She has been served as a reviewer for international journals such as *Energy Policy*, *Energy for Sustainable Development* and so on. Her ORCID profile: <https://orcid.org/0000-0003-1534-0713>.

## EDUCATION

- PhD Economics (2020), Department of Economics, University of Pretoria, Pretoria, South Africa
- Master of Economics (2007), Chinese Research Academy of Environmental Sciences, Beijing, China
- Bachelor of Management (2004), Beijing Institute of Fashion Technology, Beijing, China

## CURRENT POSITION

- Post-doctoral Fellow (2020.8 - ), Department of Economics, University of Pretoria

## PUBLICATIONS

### 1) Publications in peer-reviewed journals

[1] Ye, Y, SF Koch and J Zhang, 2018. Determinants of household electricity consumption in South Africa. *Energy Economics* 75, 120–133. <https://doi.org/10.1016/j.eneco.2018.08.005>

[2] Gupta, R, Y Ye and C Sako, 2014. Financial variables and the out-of-sample

forecastability of the growth rate of Indian industrial production. *Technological and Economic Development of Economy*, 19(1): S83–S99.  
<https://doi.org/10.3846/20294913.2013.879544>

## **2) Work submitted for publication, available as working papers**

- [1] Ye, Y, SF Koch and J Zhang, 2019. Modelling required energy consumption with equivalence scales. *The Energy Journal*, under revision.
- [2] Ye, Y and SF Koch, 2020. Measuring energy poverty in South Africa based on household required energy consumption. *Energy Economics*, under revision.

## **3) Conference papers/presentations**

- [1] Ye, Y, SF Koch and J Zhang, 2019. Measuring energy poverty in South Africa based on household required energy. *1<sup>st</sup> SAAEE Energy Economics Conference*, South African Association for Energy Economics (SAAEE), 18-19 November, 2019, Future Africa campus, University of Pretoria, Pretoria, South Africa.
- [2] Ye, Y, SF Koch and J Zhang, 2013. Changes of energy access and usage patterns in rural areas of South Africa. *Proceedings of International Conference on Applied Energy (ICAE)*, 1-4 July, 2013, University of Pretoria, Pretoria, South Africa.

## **MEMBERSHIP**

- *International Association for Energy Economics (IAEE)*

## **REFERENCES**

### **1. Professor Steven F. Koch** (PhD and post-doc supervisor)

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### **2. Professor Jiangfeng Zhang** (PhD co-supervisor)

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