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This is a preview of your election page. [Edit your election profile \(account/nomination/96\)](#) | [Edit your member profile \(account/edit\)](#)



[VIEW MEMBER PROFILE \(MEMBERS/203\)](#)

Name

Wenjie Liao

Candidate for which position?

Co-chair

Country

China

ISIE member since

2008

PLEASE DESCRIBE WHAT YOU WOULD LIKE TO ACCOMPLISH DURING YOUR TERM, AND THE TIME YOU CAN DEDICATE TO THE POSITION (150 WORD LIMIT):

I have had the opportunity to work with some of you and learn from many of you since 2008 when I first attended the GRC. With deep appreciation for this section and the IE society, I would like to continue serving on the section board and dedicating my time to accomplish three things: (1) to bolster the networking of and methodological discussions/debates between LCSA scholars in the section by co-organising conference topic sessions/short courses, webinars, and other online activities; (2) to attract more LCA practitioners to the society, in particular those from emerging economies, by demonstrating the value of LCA that can be added to their business at product/factory/park/supply-chain level and by providing them with more practical and credible examples of LC(S)A studies; and (3) to facilitate improved function of the section board by putting forward concrete suggestions based on my participation in the past years.

DESCRIBE YOUR CURRENT PROFESSIONAL AND/OR ACADEMIC ACTIVITIES (100 WORD LIMIT)

Since 2015, I have worked with the Institute of New Energy and Low-Carbon Technology of Sichuan University (Chengdu, China) as an associate professor. My current academic and professional activities involve three main strands: (1) application of the LC(S)A method to emerging energy/environmental/chemical technologies, with addressed data discrepancy between different maturity levels and uncertainty evaluation; (2) R&D of LCA database and software tools, aiming at providing technical support for the implementation of life cycle-related policies in China; and (3) analysis of environmental and energy policies about the green development strategy.

LIST PREVIOUS PROFESSIONAL AND/OR ACADEMIC POSITIONS (100 WORD LIMIT)

- Marie Curie/AgreenSkills Postdoctoral Fellow, UMR 1069 SAS, French National Institute for Agricultural Research, France, 2013-2015
- Consultant, Institute for Peace and Sustainability, United Nations University, 2012
- Researcher, Institute of Environmental Sciences (CML), Leiden University, the Netherlands, 2012

EDUCATION

- Diploma in Economics and Public Policy, Oxford University, UK, 2016
- PhD, Environmental Science, Leiden University, the Netherlands, 2012
- MSc, Environmental Engineering, Sichuan University, China, 2007
- BSc, Environmental Engineering, Sichuan University, China & University of Washington, USA, 2004

AWARDS/MERITS

- Sichuan Provincial Academic and Technical Leader - Reserve Candidate, Sichuan Provincial Human Resources and Social Security Department, 2018
- Marie Curie/AgreenSkills Fellowship, INRA and European Commission Marie Curie Actions, 2013-2015

REPRESENTATIVE PUBLICATIONS

- Zhang, J., Wang, H., Liao, W., 2018. Calculation method for product life-cycle water availability footprint. *Res Environ Sci* 31(5): 967-974.
- Mo, C., Liao, W., Liang, B., Li, C., Yue, H., Xie, H., 2017. Life-cycle greenhouse gas emissions and cost of potassium extraction and CO₂ mineralization via K-feldspar—industrial solid waste calcination. *CIESC Journal* 68(6):2501-2509.
- Feng, L., Liao, W., 2016. Legislation, plans, and policies for prevention and control of air pollution in China: Achievements, challenges, and improvements. *J Clean Prod* 112, 1549-1558.
- Liao, W., van der Werf, H. M. G., Salmon-Monviola, J., 2015. Improved environmental life cycle assessment of crop production at the catchment scale via a process-based nitrogen simulation model. *Environ Sci Technol* 49(18), 10790-10796.

- Liao, W., 2012. *A thermodynamic perspective on technologies in the Anthropocene: Analyzing environmental sustainability*. PhD thesis, Leiden University, Leiden, the Netherlands, ISBN: 978-94-6203-070-1, p.134.

PROFESSIONAL ASSOCIATIONS (I.E. BOARD MEMBERSHIPS, PROFESSIONAL SOCIETIES, ETC)

Editorial Board members

- Journal of Cleaner Production (Elsevier)
- SN Applied Sciences (Springer Nature)
- Sustainability (MDPI)

Professional societies:

- ISIE and Chinese Society for Industrial Ecology
 - Chinese Society for Environmental Sciences
 - Chinese Society of Natural Resources
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BACK