

BIOGRAPHICAL NOTES

Name: Sybil Derrible	Country: USA
Candidate for which position? Council	ISIE member since: 2009
PLEASE GIVE YOUR REASONS FOR RUNNING FOR THIS POSITION (150 WORD LIMIT)	
<p>As the IE community keeps growing, the Council will play a major role to select the policies that will steer the International Society for Industrial Ecology in future years. This is especially relevant nowadays as we urgently need to adapt to a changing climate. The IE community will therefore need to broaden its base to attract more members (from academia, government, and industry), both in developed countries that actively need to retrofit their current infrastructure, as well as in developing countries where most of the development is currently happening. The community will also need to be better at communicating its role to the larger public, potentially through a better use social media and web material. I hope to be able to tackle these challenges head-on, both as a council member as well as a current member of the organizing committee (and institution) for ISIE 2017 in Chicago.</p>	
DESCRIBE YOUR CURRENT PROFESSIONAL AND/OR ACADEMIC ACTIVITIES (100 WORD LIMIT)	
<p>I am an Assistant Professor in Sustainable Infrastructure Systems and the Director of the Complex and Sustainable Urban Networks (CSUN) Laboratory at the University of Illinois at Chicago (UIC). I am a board member of the ISIE Sustainable Urban Systems section as well as a stakeholder in the Illinois DOT Weather and Manmade Disaster Vulnerability Assessment Program. I have also had an editorial role for the Journal of Industrial Ecology, the ASCE Journal of Infrastructure Systems, and the journal Sustainable and Resilient Infrastructure. Moreover, I have taken a leading role in reactivating the Engineers Without Borders (EWB) chapter at UIC.</p>	
LIST PREVIOUS PROFESSIONAL AND/OR ACADEMIC POSITIONS (100 WORD LIMIT)	
<p>Prior my appointment at UIC, from 2011 to 2012, I was a Visiting Research Fellow at the Massachusetts Institute of Technology, within the Singapore-MIT Alliance for Research and Technology Future Urban Mobility group, located in Singapore. From 2010 to 2011, I was also a post-doctoral researcher in the Civil Engineering Department at the University of Toronto. I currently also hold a Research Assistant Professor appointment with the Institute for Environmental Science and Policy at UIC.</p>	
EDUCATION	
<p>2006-2010: Ph.D., University of Toronto, Civil Engineering, Toronto, Canada 2005-2006: D.E.S.O., Ecole Centrale of Lyon, Industrial Engineering: Innovation, Development, Lyon, France 2002-2006: M.Eng., Imperial College London, Mechanical Engineering, London, UK</p>	
AWARDS/MERITS	
<ul style="list-style-type: none"> • UIC College of Engineering Teaching Award - 2014 • UIC College of Engineering Advising Award - 2014 • Natural Sciences and Engineering Research Council of Canada Post-Doctoral Fellowship - 2011 • CN Railway Scholarship, Canadian Transportation Research Forum – 2009 • MMM Group Ltd. Scholarship, Transportation Association of Canada – 2009 	
PUBLICATIONS	
<p><u>SELECTED 5 PUBLICATIONS (FULL LIST AT HTTP://CSUN.UIC.EDU/PUBLICATIONS.HTML)</u></p> <ul style="list-style-type: none"> • Derrible, S., & Reeder, M., 2015 "The Cost of Over-Cooling Commercial Buildings in the United States", Energy and Buildings, 108:304-306 • Mohareb, E., Derrible, S., & Peiravian, F., 2015 "Intersections of Jane Jacobs' Conditions for Diversity and Low-Carbon Urban Systems: Global Look at Four Cities", Journal of Urban Planning and Development, 10.1061/(ASCE)UP. 1943-5444.0000287, 05015004 • Ahmad, N. & Derrible, S., 2015 "Evolution of Water Consumption in the USA: A Network Approach", Journal of Industrial Ecology, 19(2):321-330 • Derrible, S., Saneinejad, S., Sugar, L. & Kennedy, C., 2010, "Macroscopic greenhouse-gases emissions model of urban transportation for municipalities", Transportation Research Record, 2191:174-181 • Kennedy, C., Bristow, D., Derrible, S., Mohareb, E., Saneinejad, S., Stupka, R., Sugar, L., Zizzo, R., & McIntyre, 	

B., 2010 "[Getting to Carbon Neutral: A Review of Best Practices in Infrastructure Strategy](#)", in Energy efficient cities: Assessment tools and benchmarking practices. Edited by Ranjan K. Bose, pp.165-184. Washington, DC: World Bank

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

- Board Member, Sustainable Urban Systems section (ISIE)
- Stakeholder, Illinois Department of Transportation Weather and Manmade Disaster Vulnerability Assessment Program
- Member, International Society for Industrial Ecology (ISIE)
- Member, American Society of Civil Engineers (ASCE)
- Member, TRB Rail Transit Systems Committee (AP065)
- Member, Institute of Transportation Engineering (ITE)
- Friend, TRB Visualization in Transportation Committee (ABJ95)
- Friend, TRB Landscape and Environmental Design Committee (AFB40)
- Friend, TRB Transportation and Sustainability Committee (ADD40)