

L.A.J. (Wiet) Mazairac  
Doctoral Candidate  
Information Systems Built Environment  
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## Employment

### Doctoral Candidate

Doctoral Candidate  
Information Systems Built Environment  
Eindhoven University of Technology  
Eindhoven, Netherlands  
15 Nov 2012 → 31 Jul 2017

### University Lecturer

University Lecturer  
Information Systems Built Environment  
Eindhoven University of Technology  
Eindhoven, Netherlands  
1 Aug 2017 → 31 Jul 2018

### Doctoral Candidate

Doctoral Candidate  
Information Systems Built Environment  
Eindhoven University of Technology  
Eindhoven, Netherlands  
1 Aug 2018 → 27 Jan 2019

### University Lecturer

University Lecturer  
Information Systems Built Environment  
Eindhoven University of Technology  
Eindhoven, Netherlands  
1 Aug 2017 → 30 Jun 2020

### Former Doctoral Candidate

Former Doctoral Candidate  
Information Systems Built Environment  
Eindhoven University of Technology  
Eindhoven, Netherlands  
28 Jan 2019 → 20 Aug 2019

### Former Doctoral Candidate

Former Doctoral Candidate  
Information Systems Built Environment  
Eindhoven University of Technology  
Eindhoven, Netherlands  
21 Aug 2019 → 21 Jul 2020

### Former Doctoral Candidate

Former Doctoral Candidate

Information Systems Built Environment  
Eindhoven University of Technology  
Eindhoven, Netherlands  
28 Jan 2019 → 31 Jul 2020

#### **Former Doctoral Candidate**

Former Doctoral Candidate  
Information Systems Built Environment  
Eindhoven University of Technology  
Eindhoven, Netherlands  
1 Sep 2020 → 31 Aug 2021

#### **Doctoral Candidate**

Doctoral Candidate  
Information Systems Built Environment  
Eindhoven University of Technology  
Eindhoven, Netherlands  
1 Sep 2021 → 31 Aug 2022

#### **Research and Development Engineer**

Ecovat Renewable Energy Technologies  
Netherlands  
1 Mar 2017 → present

## **Research output**

#### **The willingness of Dutch citizens to participate in a prosumer community: a stated choice experiment**

Dane, G., Borgers, A., de Vet, L. F. J. & Mazairac, W., 2019, *24th International Conference on Urban Planning and Regional Development in the Information Society GeoMultimedia 2019*. Schrenk, M., Popovich, V. V., Zeile, P., Elisei, P., Beyer, C. & Ryser, J. (eds.). p. 799-808 10 p.

#### **Optimization of the transition towards a sustainable integrated multi-carrier energy network**

Mazairac, L. A. J., Salenbien, R., Desmedt, J. & de Vries, B., 27 Sep 2016.

#### **Optimal design and operation of an integrated multi-energy system for smart cities**

van Beuzekom, I., Mazairac, L. A. J., Gibescu, M. & Slootweg, J. G., 2016, *IEEE International Energy Conference (Energycon 2016), 4-8 April 2016, Leuven, Belgium*. Piscataway: Institute of Electrical and Electronics Engineers, 7 p.

#### **Integrated topology optimisation of multi-energy networks**

Mazairac, L. A. J., Salenbien, R., Vanhoudt, D., Desmedt, J. & Vries, de, B., 1 Dec 2015, In: *Euroheat and Power*. 2015, 4, p. 20-22

#### **Mixed-integer linear program for an optimal hybrid energy network topology**

Mazairac, L. A. J., Salenbien, R. & de Vries, B., 22 Nov 2015, *Proceedings of the 4th International Conference on Renewable Energy Research and Applications (ICRERA 2015), November 22-25, 2015, Palermo, Italy*.

#### **Integrated modeling and simulation of electricity, gas and heat networks underlying a sustainable city infrastructure**

Mazairac, L. A. J., Salenbien, R., Vanhoudt, D., Desmedt, J. & Vries, de, B., 2015, *Book of abstracts: International Conference on Smart Energy Systems and 4th Generation District Heating, Copenhagen, Denmark, 25 August 2015*. Lund, H. & Mathiesen, B. V. (eds.). Copenhagen: Aalborg University

#### **Towards an optimal topology for hybrid energy networks**

Mazairac, L. A. J., Salenbien, R. & de Vries, B., 2015, *Proceedings of the 22nd EG-ICE International Workshop, 13-16 July 2015, Eindhoven, The Netherlands*. Eindhoven, The Netherlands, p. 1-10

**Towards an optimal energy network topology by applying the cross-entropy method**

Mazairac, L. A. J., 2014, *Sustainable Places Conference Proceedings, 1-3 October 2014, Nice, France*. Andrianantenaina, H., Decorme, R. & Robert, S. (eds.). p. 29-

**BIMQL : an open query language for building information models**

Mazairac, L. A. J. & Beetz, J., 2013, In: *Advanced Engineering Informatics*. 27, 4, p. 444-456 13 p.

**Towards an optimal infrastructure for district heating networks**

Mazairac, L. A. J., 2013, *Proceedings of the International Conference on ICT for sustainable places*. Nice, France

**Towards a Framework for a Domain Specific Open Query Language for Building Information Models**

Mazairac, L. A. J. & Beetz, J., 2012, *International Workshop: Intelligent Computing in Engineering*. Geyer, P., Borrmann, A., Rafiq, Y. & Wilde, P. D. (eds.). München: Technische Universität München

**Prizes**

**Finalist Febeliec Energy Award 2016**

Mazairac, L.A.J. (Wiet) (Recipient), 31 Jan 2017

**Runner up in the 3rd International DHC+ Student Awards**

Mazairac, L.A.J. (Wiet) (Recipient), 26 Aug 2015

**Runner-up in the 3rd International DHC+ Student Awards**

Mazairac, L.A.J. (Wiet) (Recipient), 26 Aug 2015