

Monica SIROUX

Full Professor at INSA ICUBE CNRS UMR7357 - Strasbourg University FRANCE

Field of research: Energy efficiency in buildings, Renewable energy



CURRENT and PREVIOUS POSITIONS

2011-2021 Full Professor at INSA Strasbourg (National Institute of Applied Sciences) FRANCE

Teaching at Energy Department - INSA Strasbourg

Research at Laboratory ICUBE CNRS UMR7357 - Strasbourg University

1998-2011 Associate Professor -University of Valenciennes

1997-1998 Assistant Professor- ENSI Bourges

1996-1997 Assistant Professor - University Paris XII

QUALIFICATION

2008 **Habilitation à diriger des recherches (Accreditation to supervise research)**
Energetics, University of Valenciennes

1996 **PhD Energetics University Paris XII**

TEACHING ACTIVITIES

200 h of teaching per year at a level of Master of Science in Engineering

Main courses: Heat transfer, Energetics, Energy and Building, Thermal performance of the building...

CURRENT and RECENT RESEARCH SUBJECTS

Research at Laboratory ICUBE CNRS UMR7357 - Energy and Buildings Team

My research activity is focused on building and sustainable energy: building equipment systems (Micro combined heat and power, heat exchangers, geothermal, solar energy) and building wall systems.

CURRENT and RECENT ACTIVITIES OF SERVICE TO THE COMMUNITY

2013-2019 Director of the Energy Department - INSA Strasbourg

2015-2019 Director of a Research Chair "Innovative Walls"

RESEARCH EXPERTISE

Chairman: 11 International Conferences: Japan, Korea, China, Thailand, Portugal, Italy, Spain, France

Scientific Committee: 8 International Conferences: France, Croatia, Romania, Thailand, Vietnam, China

Visiting Professor: 7 Universities: Indonesia, Greece, Morocco, India, Romania, Canada

Reviewer for Journals: Energy, Energy and Buildings, Renewable and Sustainable Energy Reviews, Journal of Cleaner Production, Energies, Sustainability

Evaluator: French National Research Agency ANR, Association nationale de recherche technologie ANRT

PhD thesis supervisor: 12 PhD thesis

PhD thesis jury: 25 (Ecole Mines Paris, ENS Cachan, ENSMA Poitiers, Ecole Centrale Nantes, Morocco)

SOME RECENT PUBLICATIONS IN PEER-REVIEWED JOURNAL (h-index: 13 on Scopus)

M. CUNY, J. LIN, M. SIROUX, V. C. FOND, Influence of rainfall events on the energy performance of an earth-air heat exchanger embedded in a multilayered soil, Renewable Energy, Vol. 147, Part 2, 2020

JB. BOUVENOT, B. LATOUR, B. FLAMENT, M. SIROUX, High resolution stochastic generator of European household specific electricity demand load curves for decentralized power self-production applications, Energy and Buildings, Vol. 229, 2020

T. PFLUG, N. NESTLE, T. KUHN, M. SIROUX, C. MAURER Modeling of facade elements with switchable U-value, Energy and Buildings, Vol. 164, April 2018, p 1-13, 2018

T. PFLUG, B. BUENO, M. SIROUX, T. KUHN, Potential analysis of a new removable insulation system, Energy and Buildings, Vol. 154, November 2017, p 391-403, 2017