

10 June 2019 at 10:00-13:00, Auditorium Energy Center

The low exergy paradigm and new visions about radiative HVAC systems, and the role of heat transfer in thermal comfort in indoor and outdoor environments

Professor Forrest Meggers from the Andlinger Center for Energy and the Environment of Princeton University will give an open guest lecture in the framework of the master courses:

Energy Savings and Comfort in Buildings (prof. Marco Perino) and *Design of HVAC systems and mechanical equipment* (prof. Marco Masoero).

Partecipation is open and all the interested students and colleagues are kindly invited.

Radiative heat transfer plays a fundamental role in both indoor and outdoor environments. New tools as advanced sensors and evolved exergy-based analysis of human comfort as well as new system design can provide a fundamental contribution to our cities, under the perspective of sustainability and the threat of climate changes. Prof. Meggers will provide insights about recent research trends at Princeton University and their international network.

Prof. Meggers is an Assistant Professor at Princeton University, director of CHAOS (Cooling and Heating for Architecturally Optimized Systems) Lab research group and co-director of the PhD program in the School of Architecture.

TEBE research group is collaborating with the Andlinger Center since 2016. An exchange program is currently undergoing between Polito and Princeton, and there are opportunities for PhD and Master's students to participate in this exchange program between Princeton and Torino.

