

Distinguished Lecture

# Towards a Conscious AI

## A computer architecture inspired by cognitive neuroscience

Lenore Blum | Manuel Blum

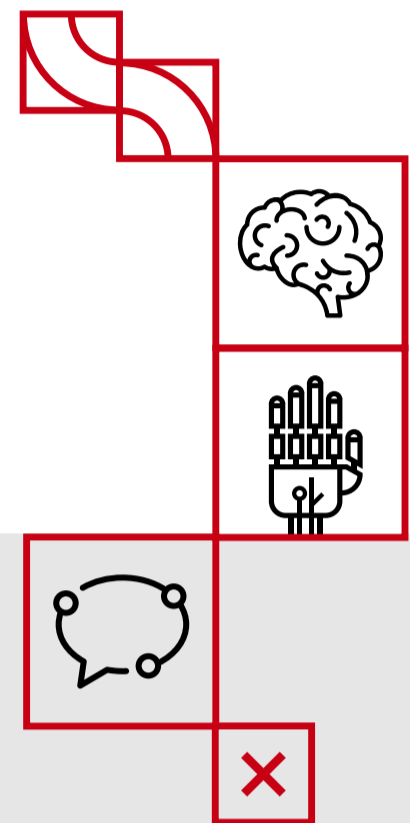
*School of Computer Science, Carnegie Mellon University*

**October 23<sup>rd</sup>, 16:30**

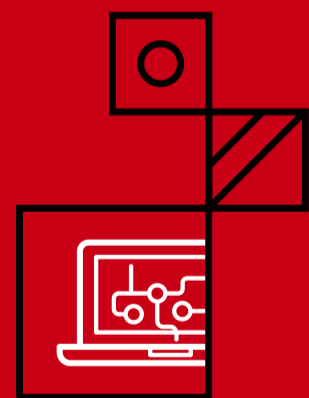
**Lisboa**, Instituto Superior Técnico (congress center)

**October 25<sup>th</sup>, 17:00**

**Porto**, Faculdade de Ciências da Universidade do Porto (main auditorium)



Thanks to major advances in cognitive neuroscience, we are on the brink of a scientific understanding of how the brain achieves consciousness. This talk will describe neuroscientist Bernard Baars' Global Workspace Model (GWM) of the brain, its implications for understanding consciousness, and a novel computer architecture that it inspires. The major contribution of this talk lies in the precise formal model of Conscious Turing Machine (CTM) aka Conscious AI (CAI) to be presented. This is based on joint work of Manuel, Lenore and Avrim Blum.



**Registration is free - <https://forms.gle/Gqb6eT5TJ2dCPtSY9>**