

# MSHS

## AXE 1 SCIENCES COGNITIVES ET COMPUTATION



### **Title : Sea Hero Quest: Testing the navigation skills of 4 million participants with a video game**

**Abstract:** Some people are very good at navigating; others find it a significant challenge. What determines whether someone will succeed or fail to navigate successfully? This talk will briefly explore what might make someone a good navigator looking at demographics, cultural background and genes. Data from the mobile app and video game Sea Hero Quest will be presented revealing world-wide patterns in navigation ability of 3.9 million people, and the potential for tracking subtle cognitive markers for Alzheimer's disease.

**Bio:** **Antoine Coutrot** holds a Ph.D. degree in Cognitive Science from Grenoble-Alpes University, France, 2014. He currently works as a tenured researcher (chargé de recherche) at the French National Center for Scientific Research (CNRS). His research interests include spatial cognition, visual attention, machine learning, and human behavior modelling in general.

**Seminar organizer : Stephen RAMANOËL (responsable axe 1 MSHS Sud-Est)**

*Free admission but pre-registration required with : [stephen.ramanoel@univ-cotedazur.fr](mailto:stephen.ramanoel@univ-cotedazur.fr)*

**Tuesday December 6, 2022 from 12:30 to 13:30**  
**Room 009 – ground floor MSHS Sud-Est**