Closed-loop Perception in Humans, Rodents and Robots

14:00 – 15:00, Wednesday, September 26, 2018
Room 385, Geography Building, Zhongbei Campus

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Biography:

With active sensing, neural coding and perceptual mechanisms forming my main research themes, I am a member of the sensation and perception research community. By combining theoretical and experimental work on rodents, humans and robots, I have contributed significantly to the sensation and perception fields, both in terms of scientific discovery and the proposition of novel conceptual frameworks and in terms of technological innovations for the use of research, industry, and medicine. I am frequently invited as a lecturer to major conferences and advanced courses in these fields and have served on a number of national and international committees. Six of my former students now hold faculty positions in national and international universities. The research I propose here steps out of my on-going research with the goal of addressing the basic general principles of perception.