Name: Daniel Pacheco

Date of Birth: April 30th, 1980

Nationality: Chilean

ACADEMIC QUALIFICATIONS

2012 – 2017   Ph.D., Neuroscience and Human-Computer Interaction (Cum Laude)
Synthetic Perceptive, Emotive and Cognitive Systems Research Group (SPECS)
Information and Communication Technologies Department (DTIC). Universitat Pompeu Fabra, Barcelona, Spain.

EMPLOYMENT

2019 – Present   Postdoctoral researcher; Ruhr University Bochum, Bonn University, Germany (Prof. Nikolai Axmacher http://www.ruhr-uni-bochum.de/neuropsy/)

2018 – 2019   Postdoctoral researcher; Synthetic Perceptive, Emotive and Cognitive Systems Research Group (SPECS; Prof. Paul Verschure https://specs-lab.com/)

2011 – 2012   Research assistant; Synthetic Perceptive, Emotive and Cognitive Systems Research Group (SPECS)
Information and Communication Technologies Department (DTIC). Universitat Pompeu Fabra, Barcelona, Spain.

2008 – 2010   Virtual Reality Developer; Interactive Technologies group (GTI). Information and Communication Technologies Department. Universitat Pompeu Fabra, Barcelona, Spain.

RESEARCH

I am interested in the neurophysiological mechanisms underlying content-specific representations in the brain and their coordinated interaction during episodic memory retrieval. I have studied the modulation of oscillatory memory codes by volition, emotion and spatial navigation in embodied setups, using signal processing, virtual reality and machine learning techniques.