

A personal journey through spiking networks

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Rhythms have fascinating collective organization properties that make synchronization one of the most researched topics at the interface of physics, biology, neuroscience, and engineering. The talk will be an introduction to the mathematical modelling of synchronization, with an emphasis on how spiking networks have progressively influenced my own research and understanding of the topic throughout the years. I will make the journey personal also with the aim of illustrating the many interactions that have been making this research possible and ... sometimes spiking!