

## CONDENSED MATTER THEORY SEMINAR

Subject: **Universality in dissipative interacting spin chains**  
Speaker: **Prof. Dr. Jamir Marino (Johannes Gutenberg Universität Mainz)**  
Date & time: **Friday, October 18<sup>th</sup>, 2019 at 3:15 p.m.**  
Venue: **Seminar room 1.114**

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The talk will discuss instances of universality and dynamical phases of interacting quantum spin chains, where coherent and dissipative dynamics occur on equal footing, shaping novel non-equilibrium phase diagrams. The first part of the talk will present our first milestones in extending paradigmatic models of quantum impurities to the dissipative regime, while in the second half I will present an instance of 'cold' time crystal occurring in open systems, where neither MBL or pre-thermalisation are required to stabilise a strongly interacting, dissipative, steady state.