Contributed Talk on September 24, 2024, 16:30 pm

Speaker: **Prof.Charlotte Kirchhoff-Lukat, KU Leuven**

Title: Floer theory for "nice" Poisson degeneracies

Abstract:
Poisson structures which are almost everywhere symplectic, but degenerate on a lower-dimensional submanifold in a controlled manner, have been studied from various perspectives in the past decade, not least because examples arise naturally in many different mathematical contexts, as well as from physical examples. An important class of examples includes stable generalized complex structures, which exist on manifolds that do not admit fully symplectic nor fully complex structures. In this talk, I will present an extension of Lagrangian intersection Floer cohomology and Fukaya categories to some of these structures, opening up this vast toolset to new contexts.