

Seminar: Geometry & Physics
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Location: IMAR, room 306-307

Date: Thursday, July 26, 2018, 10:15 AM

Title: **Mathematical aspects of field theories with defects**

Speaker: **Prof. Ingo Runkel** (Hamburg University, Dept. of Mathematics)

Abstract: “The mathematically best understood variant of quantum field theories are topological field theories. These can be described by functors from a geometric category of bordisms to the category of vector spaces. Allowing the bordisms to be stratified leads to interesting new examples and to higher categorical structures. I will discuss this in the context of two- and three-dimensional topological field theories.”