

# *Graduate Seminar*

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*1 - 2 pm in HH-3017*

*The general dual Orlicz-Minkowski problem for  
increasing functions*

**Abstract:**

The general dual Orlicz-Minkowski problem proposed by Gardner, Hug, Weil, Xing, and Ye asks: for which nonzero finite Borel measures  $\mu$  on  $S^{n-1}$  and continuous functions  $G : (0, \infty) \times S^{n-1} \rightarrow (0, \infty)$  and  $\psi : (0, \infty) \rightarrow (0, \infty)$ , do there exist a constant  $\tau \in \mathbb{R}$  and a convex body (compact convex set containing the origin  $o$ )  $K$  such that  $\mu = \tau \tilde{C}_{G,\psi}(K, \cdot)$ ?

In this talk, I will present our recent contributions to the problem under the conditions that both  $G$  and  $\psi$  are increasing.