

Speaker: The Quantum Optics and Statistics Gang (Albert-Ludwigs-Universität Freiburg)

Title: *Controlling the Uncontrollable: Application of the Gislinde Operator to a Quantum Research Group*

Place: HS II

Abstract:

Starting in the last century and continuing until now, quantum research groups (QRR) have proven to be a powerful tool for the study of various kinds of quantum processes. However, they suffer intrinsically from the highly chaotic behavior of their individual constituents, making it a formidable task to control them, i.e., stabilize the QRR in its ordered, productive phase. Well-established control protocols rely solely on a single control knob, namely the PI. Here, in light of the retirement of Gislinde Bühler, we discuss the concept of additionally controlling a QRR via continued application of the so-called Gislinde ordering operator. We show that one not only achieves excellent control over all kinds of bureaucratic tasks, ranging from group calendars to travel forms or even the organization of scientific conferences, but also, on a personal level, the well-being of the QRR is assured this way.