**Habilitation Lübeck -- Vorstellungsvortrag**

**Title:**

The dynamics of direct reciprocity under memory constraints

**Chapters:**

1. Extortion and generosity

Evolution of extortion in the repeated prisoner’s dilemma (PNAS 2013) **12p**

Extortion subdues human players (NComms 2015) **20p**

1. Partners and rivals

Partners and rivals in the iterated prisoner’s dilemma (GEB 2015) **12p**

Evolving cooperation in multichannel games (NComms 2020) **57p**

Cooperation in the alternating interactions with memory constraints (NComms 2021) **~60p**

1. Reciprocity in complex environments

Evolution of cooperation in stochastic games (Nature 2018) **50p**  
Social dilemmas among unequals (Nature 2019) **75p**

Total: ~ **286p**