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Title: On optimal dividend strategies with deficit or incomplete information

Abstract: I finished my PhD thesis in July 2008. I feel very fortunate to have been one of Hans Gerber's PhD students. This talk will be an overview of the three essays in which consists the thesis:

- Optimal dividends with incomplete information in the dual model, coauthor: Gerber H. U., *Insurance: Mathematics and Economics* 43(2), 2008.
- Methods to estimate the optimal dividend barrier and the probability of ruin, coauthors: Gerber H. U. and Shiu E. S. W., *Insurance: Mathematics and Economics* 42(1), 2008.
- Maximizing dividends without bankruptcy, coauthors: Gerber H. U. and Shiu E. S. W., *Astin Bulletin* 36(1), 2006.