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Semir Ben Ammar , Martin Eling , Andreas Milidonis

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The Cross-Section of Expected Stock Returns in the Property/Liability Insurance Industry

Semir Ben Ammar^{*a}, Martin Eling^a, and Andreas Milidonis^b

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Abstract

We conduct a comprehensive asset pricing analysis for the U.S. property/liability insurance industry using monthly data from 1988 to 2015. We find that state-of-the-art models such as the Fama and French (2015) five-factor model cannot explain the returns of property/liability insurance stocks in a satisfactory way. We adapt the model proposed by Adrian, Friedman, and Muir (2015) for financial institutions and define an insurance-specific five-factor asset pricing model (INS5), which can explain the cross-section of property/liability insurance-stock returns better than competing models. The priced factors are the market return, the book-to-market ratio, return on equity, short-term reversal, and the spread between the property/liability insurance sector and the market return.

JEL classification: G12; G22

Keywords: Asset Pricing; Insurance; Multifactor Models; APT; Risk Factors

^a Institute of Insurance Economics, University of St. Gallen, Girtannerstrasse 6, CH-9010 St. Gallen. E-mail: semir.benammar@unisg.ch, martin.eling@unisg.ch, Tel.: +41 71 224 7980.

^b Department of Accounting and Finance, School of Economics and Management, University of Cyprus, P.O. Box 20537, CY-1678 Nicosia, Cyprus. E-mail: andreas.milidonis@ucy.ac.cy.

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