

# Douglas J. Bujakowski

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## Education

**Ph.D., Risk & Insurance** **August 2017**  
*University of Wisconsin-Madison, Madison, WI*  
Dissertation: "Tort Litigation in China: Development, Drivers, and Forecasts"

**B.S., Actuarial Science; B.S., Economics; Minor, Statistics** **June 2011**  
*Honors Diploma; Summa Cum Laude*  
*The Ohio State University, Columbus, OH*

**Associate of the Society of Actuaries (ASA)** **April 2018**

## Academic Positions

**Drake University, Des Moines, IA** **August 2017 – Present**  
Assistant Professor

**University of Wisconsin-Madison, Madison, WI** **August 2011 – August 2017**  
Teaching Assistant

## Research

My research interests lie at the intersection of actuarial science and risk management and insurance. I am currently pursuing research that seeks to understand the evolution and management of risks in emerging economies. Specifically, I am examining the development of legal risks in China, including the relationship between litigation and economic structural transformation, the use of community mediation as a means of resolving disputes, the uptake of liability insurance, and methods to forecast these elements. Additionally, I am beginning research that aims to understand factors influencing insurance penetration in Central and Eastern Europe and the Commonwealth of Independent States.

## Working Papers

**"Litigation and Economic Structural Transformation: Evidence from China,"** with Joan Schmit  
*Under first review at the Journal of Empirical Legal Studies*

Using 32 years of province-level data from China, we investigate the relationship between litigation and two types of economic structural transformation: (1) changes in the composition of GDP across economic sectors and (2) shifts from public to private ownership of assets.

**"Legal Liability in China: A Brief History and Current Practice"**

We examine the historical development of civil law in China and discuss current issues with the implementation of legal rules. We observe that economic development has been closely linked with legislative change, but that at times, long-standing legal traditions undermine written law, dampening the impact of such legislation.

**"Forecasting with Correlates: The Future of Litigation Claims in China,"** with Peng Shi

We employ traditional techniques to forecast province-level litigation rates in China and then investigate whether forecast accuracy can be improved by incorporating variables shown to be correlated with litigation rates.

## Work in Progress

### **“Disentangling Disputes and Willingness to Claim: A Study of Divorce Litigation in China”**

We consider lawsuits as the product of two pieces: disputes and willingness to claim. We measure these components for divorce litigation in China and identify factors influencing each piece.

### **“Insurance Penetration in Developing Economies: Evidence from CEE and CIS Countries,”** with Patty Born

We consider factors influencing insurance premiums written and claims paid for life and non-life insurance lines using data from 32 CEE and CIS countries between 2008 to 2016.

### **“The Decline and Reemergence of Community Mediation in the People’s Republic of China”**

We show that rates of community mediation in China fell dramatically between 1985 and the mid 2000s but have since begun to rise. We test possible explanations for these trends and discuss implications for the utilization of more formal legal processes.

### **“Liability Insurance as a Determinant of Litigation: Evidence from China”**

Using 32 years of province-level data from China, we examine the relationship between liability insurance penetration and litigation. Specifically, we utilize an instrumental variables approach to show that the presence of liability insurance may entice parties to sue.

## Conference Presentations

Presenter, 2018 American Risk and Insurance Association Annual Meeting, Chicago Illinois, “Litigation and Economic Structural Transformation: Evidence from China”

Presenter, 2016 Southern Risk and Insurance Association Annual Meeting, Savannah Georgia, “Tort Litigation in China: Development and Drivers”

Discussant, 2015 World Risk and Insurance Economics Conference, Munich Germany, “An Equilibrium Asset Pricing Model under Ambiguity” by Yoichiro Fujii, Hideki Iwaki, and Yusuke Osaki.

Discussant, 2014 American Risk and Insurance Association Annual Meeting, Seattle Washington, “Market Discipline and Guarantee Funds in Life Insurance” by Martin Grace, Shinichi Kamiya, Robert Klein, and George Zanjani.

Presenter, 2012 Actuarial Research Conference, Winnipeg, Canada, “Technology Enhanced Learning for Actuarial Science Education,” in conjunction with Jed Frees and Margie Rosenberg

## Honors and Awards

### **Society of Actuaries Educational Institution Grant**

**2018**

The Society of Actuaries (SOA) Educational Institution Grant recognizes academics who attain Associateship with the SOA. The \$5000 grant is awarded to university employing the new Associate.

### **James C. Hickman Scholarship**

**2016, 2015, 2014**

“The Society of Actuaries James C. Hickman Scholar program was established to increase the number of academic actuaries who hold a PhD and an actuarial designation, and who intend to pursue academic careers in the United States or Canada. The program is designed to provide stipends to doctoral students who will, through their studies, address research and education needs of the profession, including both the theoretical and practical aspects.”

### **Henry C. Naiman Graduate Student Teaching Award**

**2015**

This award is given annually to a graduate student who has distinguished him/herself as an outstanding teacher in the Wisconsin School of Business. In creating the award, the sponsors said “Teaching goes hand-in-hand with research, and this award is to encourage gifted researchers to become excellent teachers as well.”

**Wisconsin School of Business Distinguished Teaching Award****2015, 2014, 2013**

“This award is presented to Ph.D. Students in recognition of outstanding contributions toward fulfillment of the mission of the Wisconsin School of Business through excellence in teaching.”

**47<sup>th</sup> Actuarial Research Conference Presentation Prize: First Place****2012**

The Education & Research Section council awards prizes for the six best presentations at each years Actuarial Research Conference, with the first place winner receiving \$500.

**Great American Financial Resources, Inc. Scholarship****2011**

“The scholarship was established to reward the top students on the first five actuarial exams for exceptional performance. My score of an 8 on Exam MLC qualified me for this award.”

## Teaching Experience

**Drake University, Des Moines, IA**

## Instructor (3 semesters)

ACTS 135 (Mathematical Statistics): three-credit course focused on parameter estimation and uncertainty surrounding those estimates; teaching evaluation average 4.7/5.0

INS 280 (Operational Risk Management): three-credit graduate course focused understanding of risk, including techniques to manage risk and methods to finance risk; teaching evaluation average 3.9/5.0

**University of Wisconsin-Madison, Madison, WI**

## a. Instructor (5 semesters)

ACT SCI 300 (Actuarial Science Methods I): full responsibility for two sections (enrollment of approximately 30 per section) of a one-credit course focused on the fundamental probability tools for quantitatively assessing risk as an introduction for our actuarial science majors; teaching evaluation average 4.71/5.00

## b. Co-Instructor (1 semester)

ACT SCI 651 (Actuarial Mathematics II Life Contingencies): with professor Jed Frees, led two sections (enrollment of approximately 50 students per section) of a three-credit course on life contingencies as a flipped classroom where students conduct self study outside the classroom through reading and videos (created through our Technology Enhanced Learning project) and then practice what they have learned during class time; teaching evaluation average 4.73/5.00.

## c. Teaching Assistant (3 semesters)

RMI 300 (Principles of Risk Management): led four active learning sections each week (enrollment of approximately 30 students per section) and supported the course by preparing homework and exams and offering input to the course design and presentation; teaching evaluation average 4.67/5.00

GEN BUS 303 (Business Statistics): led four review sections each week (enrollment of approximately 20 students per section) and assisted instructor with the creation of course materials; teaching evaluation average 4.65/5.00

## d. Project Assistant (1 semester)

Supported department Technology Enhanced Learning (TEL) grant by developing and overseeing the production of video solutions for Exam P practice problems