Conference Sponsors include:

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- Society of Actuaries Education and Research Section Council
- American Academy of Actuaries (AAA)
- American Society of Pension Professionals & Actuaries (ASPPA)
- Canadian Institute of Actuaries (CIA)
- Casualty Actuarial Society (CAS)
- Colegio Nacional de Actuarios, A.C. (CONAC)
- Conference of Consulting Actuaries (CCA)
- The Actuarial Foundation (TAF)
- Robert Morris University

Wednesday, August 8th

6:00-8:00 pm Early Check-in/Registration

Thursday, August 9th

7:30-9:00 am Registration
8:00-9:00 Continental Breakfast

9:00-9:10 Len Asimow - Introductory Remarks
9:10-9:20 Winston Erevelles - Welcome from RMU
9:20-9:30 Bill Cashion - Chief Actuary, Highmark Inc.
9:30-10:00 Harry Panjer & Rick Gorvett
  Communicating Actuarial Research Results
10:00-10:30 John Shepherd
  Knowledge or skills … or both?

10:30-11:00 Coffee Break
Thursday, August 9th Continued

11:00-12:30  
**Finance Session - Chair: Claire Bilodeau**

11:00-11:30  
**Chao Qiu**  
On the Application of Wilkie’s Models to TSX Price Index

11:30-12:00  
**James G. Bridgeman**  
Moments of a Regime-Switching Stochastic Interest Rate Model with Randomized Regimes

**Ruilin Tian, Samuel Cox, Yijia Lin, and Luis Zuluaga**  
Portfolio Risk Management with CVaR-like constraints

12:00-12:30  
**James G. Bridgeman**  
Moments of a Regime-Switching Stochastic Interest Rate Model with Randomized Regimes

**Vytaras Brazauskas**  
A nonparametric test for comparing the riskiness of portfolios

12:30-2:00  
Lunch

2:00-3:30  
**Finance Session - Chair: Claire Bilodeau**

2:00-2:30  
**Patrice Gaillardetz**  
Valuation of Equity-Linked Insurance Using Risk Measures

**Runhuan Feng**  
Generalized Gerber-Shiu Function in Piecewise-deterministic Markov Processes

**Samuel Cox, Yijia Lin, Ruilin Tian, and Luis F. Zuluaga**  
Competing Risks Model for Corporate Exit Analysis : Discrete Hazard Model and Extension with Stochastic Frailties

2:30-3:00  
**Taehan Bae & Reg J. Kulperger**  
Competing Risks Model for Corporate Exit Analysis : Discrete Hazard Model and Extension with Stochastic Frailties

3:00-3:30  
**Carole Bernard & An Chen**  
On the regulator-insurer interaction in a structural model.

3:30-4:00  
Coffee Break

4:00-5:00  
**Finance - Chair: Claire Bilodeau**

4:00-4:30  
**Min Yang**  
Economic Capital and Regulation of Banks and Insurers

**Siuhang Li, Mary Hardy, and Ken Seng Tan**  
On Pricing and Hedging the No-Negative-Equity-Guarantee in Equity Release Mechanisms

**Claymore Marshall & David Saunde**  
An approach to valuing guaranteed minimum income benefit riders

4:30-5:00  
**Ana Maria Mera**  
Analysis of a Threshold Strategy in the Discrete-time Sparre Andersen Model

6:00-7:30 pm  
Reception Sponsored by Robert Morris University
Friday, August 10th

7:30-8:30 am  Continental Breakfast

8:30-10:30  Options & Pricing Session/Pensions - Chair: Curtis Huntington  Statistics and Risk Session/Health - Chair: Tom Edwalds

8:30-9:00  Hua Chen & Samuel Cox  An option-based operational risk management on pandemics

9:00-9:30  Daniel Dufresne, Jose Garrido, and Manuel Morales  Fourrier inversion formulas in option pricing and insurance

9:30-10:00  Dian Zhu  New Iterative Calculation of American-style Derivatives -- a lower approximation of the Snell envelope

10:00-10:30  Andrew Lang  Fixing Social Security and Medical Care

10:30-11:00  Coffee Break

11:00-12:30  Pensions - Chair: Curtis Huntington  Health/Bayesian and Probability Models - Chair: Tom Edwalds

11:00-11:30  Semira Puskar & Claire Bilodeau  Is a Final Salary DB Plan that Much Better than a DC Plan?

11:30-12:00  Daniel Dufresne  Stochastic Life Annuities

12:00-12:30  Angeles Yañez & Tapen Sinha  Disability Causes and their Effect in the Mortality of Disabled Annuitants in Mexico

12:30-1:30  Lunch
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<tr>
<th>Time</th>
<th>Session</th>
<th>Chair</th>
<th>Abstract</th>
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<td>1:30-2:30</td>
<td><strong>Pensions</strong> - Chair: Curtis Huntington</td>
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<tr>
<td>1:30-2:00</td>
<td>Tapen Sinha</td>
<td>Arnold Shapiro</td>
<td>Salary Profiles of Affiliates of Pension Funds</td>
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<td>2:00-2:30</td>
<td>Kai Chen &amp; Mary Hardy</td>
<td>Yessica Perez-Camarillo</td>
<td>The Cost Control on a DB underpin hybrid pension plan</td>
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<td>2:30-4:00</td>
<td>Panel Discussion on Applied Research - Chair: Ian Duncan</td>
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<td>Jeremy Gold - Pensions</td>
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<td>Jim Toole - Health</td>
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<td>Steven Craighead - Investments/Life Insurance</td>
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<td>Tom Edwalds - Reinsurance</td>
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<td>Jeff Beckley - Life Insurance</td>
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<td>Cofee and snack will be provided during panel discussion</td>
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<td>5:00-5:30 pm</td>
<td>Buses Leave for Banquet on Gateway Clipper</td>
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<td>7:00-10:00</td>
<td>Gateway Clipper Dinner Cruise</td>
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<td>Keynote Speaker: John Shepherd</td>
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<td>10:20</td>
<td>Buses leave for Hotels and Robert Morris University</td>
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Saturday, August 11th

7:30-8:30 am Continental Breakfast

8:30-10:30

Pensions/Mortality - Chair: John Shepherd

8:30-10:30

Life Insurance/Bayesian and Probability Models - Chair: Rick Gorvett

8:30-9:00

Ana Veronica Perez Villasana & Tapen Sinha
Death of an Annuity Market Foretold

Hua Chen & Samuel Cox
Modeling mortality with jumps: transitory effects and pricing implication to mortality securitization

8:30-9:00

Diana K. Chisholm
Negative Effects of the GIS Clawback and Possible Solutions

Shamita Dutta Gupta
Quantitative Risk Measures of Individual Life Settlement Purchases

8:30-10:00

Steven Craighead & Tom Edwalds
Mortality Modelling using Projection Pursuit Regression

Ken Seng Tan & Chengguo Weng
Enhancing Insurer value using Reinsurance and Value-at-Risk Criterion

9:30-10:00

Min Ji
Implementation of Markov approach to Joint Life Mortality

Yefu Kou
Fuzzy clustering study on the structure of insurance policies

10:00-11:00 Coffee Break

11:00-1:00

Education - Chair: John Shepherd

11:00-11:30

Vincent Goulet
Using Actuar in Teaching: Case Studies

Xuemiao Hao & Qihe Tang
Subexponential Tail of Discounted Aggregate Claims

11:30-12:00

Rick Gorvett
Stochastic Modeling - a Research Experience for Undergraduates

Zhen Huang & Lijia Guo
Possibilistic Modeling for Loss Distribution and Premium Calculation

12:00-12:30 Boxed Lunches will be provided

Special Committees and Task Forces

Thursday 12:00-2:00 PM and 7:00-8:30 PM: Halmstad Prize Committee
Thursday 5:00-6:00 PM: Committee on Knowledge Extension Research
Friday 7:00-8:30 AM: Education and Research Council Meeting
Friday 4:00-4:45 PM: Joint CAS/SOA PhD Grants Task Force