

**From:** IAA Secretariat AAI [secretariat@actuaries.org]  
**Sent:** January-14-14 9:32 AM  
**To:** 'life@lists.actuaries.org'  
**Subject:** ICA 2014 Announcement - LIFE Section



## Dear Life Section member,

As you know, the Life Section of the International Actuarial Association holds an annual colloquium. However, in years when an International Congress of Actuaries (ICA) is held, the section collaborates with the organizer and the colloquium is embedded within the ICA.

The International Actuarial Association and the actuarial profession in the United States invite you to attend the 30th International Congress of Actuaries, 30 March to 4 April 2014 in Washington, D.C. to **learn** about the latest ideas, **interact** with your fellow actuaries through the educational and social events, and **grow**, as you learn from and network with actuaries from countries and cultures around the world.

The Life Section will hold its Annual General Meeting in Washington at the close of the plenary sessions on Monday, March 31<sup>st</sup>.

## Keynote Speakers

We are pleased to announce the following keynote speakers:

- Monday 31 March: Dr. Jay Olshansky — *The Longevity Dividend: Altering the Future Course of Health and Longevity?*
- Wednesday 2 April: Dr. Paul Embrechts — *Uncertainty*
- Wednesday 2 April: Patricia L. Guinn, Greig Woodring and Michel M. Liès — *The Insurance Industry CEO Perspective: Navigating the Changing Business Landscape*
- Friday 4 April: Dr. Guntram Werther — *Improved Forecasting through a Different Focus*

## Parallel Sessions

ICA 2014 will provide an abundance of content in each of seven specialty parallel tracks to appeal to actuaries of all disciplines and interests. The Life Insurance Track will feature the following planned sessions:

- **B-10: Projecting Mortality and Life Expectancy**  
Mortality trends play a key role in projecting the financial health of retirement systems. This session will explore the need for more sophisticated analyses as well as techniques and outcomes.
- **L-1: Annuity Product Development**  
Find out about new opportunities for product development due to new regulations on unisex insurance, how explicit representations for prices of some of the VA products can be derived in a hybrid model for insurance and market risks, and what's happening in the global economy.
- **L-2: Delivery of Actuarial Services**  
Learn how the design and administration of pension and life insurance products, and their reserve calculations and audit, can be based on a common formal notation. Additionally, gain insight into a software design for efficient reserve computations,

## Registration

The regular registration period for the 2014 International Congress of Actuaries has been extended to **31 January 2014**.

Take advantage of the significant discounts by registering for ICA 2014 today.

Don't miss this opportunity to **Learn, Interact**, and **Grow** with your fellow actuaries from every discipline and from around the world.

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including those for advanced and non-standard life insurance and pension products, that uses a flexible and precise notation that is both machine- and human-readable.

- **L-3: Developing World Issues 1**

Gain insight into a proposed risk based capital (RBC) model, designed to encourage regulators in Africa to introduce RBC into their regimes. The approach examines current models in Europe, Asia, and South Africa to come up with a model that would be suitable for African countries. Learn about the new 2013 mortality tables introduced in Sub-Saharan Africa and related critical challenges, including development and implementation, the impact on annuity and insurance products, and follow-up experience studies.



- **L-4: Developing World Issues 2**

Find out how the HIV AIDS pandemic has impacted the industry including marketing, underwriting and claims. Learn how you can boost your marketing plan with the SOSTAC planning system. Also, hear about anomalies in the industry in Bangladesh and how actuarial students are trying to show more recent mortality trends.

- **L-5: IFRS**

The International Accounting Standards Board and the Financial Accounting Standards Board are expected to approve new accounting standards for insurance contracts early in 2015, which will be effective in 2018 or later. Discuss the current status of the standards and the theoretical and practical actuarial issues involved in implementing them.

- **L-6: Investments - People and Instruments**

Get the solution to the integrated problem with recursive utility/uncertain lifetime! Plus-- hear an overview of actuarial techniques applied to retail credit impairment modeling and practical issues that actuaries are well placed to help address.



- **L-7: Life Product Development**

Learn how to align insurance propositions with middle market customers' needs, characteristics and aspects of with-profits/participating business, and insurance contracts within a Markov model.

- **L-8: Longevity Risk - Life**

- **L-9: Mortality Issues**

Get more details on regime-switching models as they relate to Turkish mortality data and pricing, hear about a new approach to the problem of modeling pandemic flu, and gain insight into the worldwide obesity epidemic and its implications for actuaries.

- **L-10: Product Development and Policyholder Behavior**

Explore how explicit representations for prices of some of the VA products can be derived in a hybrid model for insurance and market risks, get the latest on evolving practices for measuring experience data and setting actuarial assumptions and learn about what's at the forefront of actuaries' minds globally.

- **L-11: Reinsurance**

Brush up on what is meant by financing reinsurance, and differences between cash/non-cash financing and risks. Hear reinsurance solutions for group business, and get a recap of the specifics of group business and solutions. And, see a comparison of protection products in different territories with a look at an index of premium rates.

- **L-12: SoA Research**

Get leading edge perspectives on risk! Hear new research results related to regulatory risk and systemic risk/modeling risk from the Society of Actuaries.

- **L-13: Solvency**

Examine the natural hedging approach proposed to internally hedge systematic longevity risk exposures. Check out a proposed method that generates parameters drawn from a given set that maximizes the reserve. And hear a comparison of simulation results of the financial development of insurance portfolios containing policies with differing guarantee designs.

- **L-14: Underwriting**

Learn new techniques for modeling policyholder behavior and worldwide differences in the types of underwriting done, life expectancies, and mortality improvement.

- **L-15: Valuation Techniques**

Take a deeper dive into the Thiele differential equation, get a sound definition of forward rates (and find out what's unique about that definition) and discuss zero/low interest rate economies in developed countries, including solvency regulation, stock market,

longer duration CDS rate and more.

- **Pos-1: Life Track Poster Papers**

You may also find of interest sessions from other practice areas, the complete list of which is available [online](#).

Visit the ICA 2014 website at [www.ICA2014.org](http://www.ICA2014.org) for all of the details on the meeting, including plenary sessions, parallel sessions, limited attendance workshops, the social program, and much more!

We look forward to welcoming you in Washington next year!

Marc Slutzky	Robert F. Conger	Roger Hayne
LIFE Chairman	ICA2014 President	ICA 2014 Scientific Committee Chairman

If you have questions, please contact [info@ica2014.org](mailto:info@ica2014.org).