

DEMOGRAPHIC CHANGE AND LONGEVITY

The Scientific Committee will award up to two Best Papers in the subject area

Demographic Change and Longevity.

Longevity is a phenomenon that is observed in most societies worldwide. While it seems desirable for individuals to live long and hopefully healthy lives, ever-increasing life expectancy is a challenge for providers of annuities and long-term care products. In combination with a decline in fertility, it leads to major demographic change with significant effects on social security systems.

We have therefore chosen longevity and demographic change as one topic for the Best Paper Awards of the ICA 2018.

Particular subjects of interest can be (but are not limited to):

- Impact from megatrends on life insurance risk: migration, urbanization, climate
- New models for predicting longevity / mortality improvements
- Demographic change and its impact on long-term care and occupational disability insurance
- Predictive modeling and price discrimination applied to annuities and long-term care products
- Designing and pricing annuities and long-term care products in a stochastic environment
- Private vs. public solutions for providing income for pensioners
- Hybrid systems for pension financing combining pay-as-you-go systems and funded systems (consequences of low interest rates and a declining number of new entrants)
- Novel techniques for mitigating longevity and long-term care risks

New approaches are as welcome as suitable modifications of existing and established concepts.