Web Session 'Assets and Liabilities Management Part 1: Introduction'

8-10 October 2025 | online

This ALM training starts with a first part that is primarily an introduction to main concepts of ALM and is therefore particularly suited for participants coming from different departments (for instance, people dealing with own risk solvency assessment techniques or enterprise risk management) and wanting to develop a broader view on what ALM... read more

Web Session 'Actuarial Data Insights: A Practical Guide on RAG and Advanced Techniques'

15 October 2025 | online

In the continuously evolving landscape of Artificial Intelligence (AI), Retrieval Augmented Generation (RAG) has emerged as a disruptive technology transforming how we interact with AI systems. RAG combines the strengths of information retrieval and Large Language Models to create powerful applications that can access and use vast amounts... read more

Web Session 'Climate Change Scenarios: Application, Evolution, and Reporting'

21 October 2025 | online

Climate Risk scenarios are commonly used in the insurance industry for stress testing, but interpreting and communicating results is often challenging, given strong limitations and complex assumptions. This session will provide practical guidance on stress testing application in the ORSA context, focusing on financial risks, and provide... read more

Web Session 'Intergenerational Fairness and Pensions'

22 October 2025 | online

Pension funds link generations simply by the time scale of their transactions. Participants pay pension contributions for decades so that getting benefits after retirement, hopefully again for decades. During the course of their career new cohorts start their working life, so there is always active and retired living side-by-side. One group is only... read more

Web Session 'Modern Capital Market Concepts for Life and Pension Products'

23 October 2025 | online

Due to the recent shifts in capital markets and a stricter regulatory environment, insurers need to rethink their product offerings to stay ahead of the competition and offer life and savings solutions well suited to the various requirements of policyholders. This includes the need for capital guarantees in combination with strong performance engines... read more

Web Session 'Risk Aggregation and Capital Allocation: From Calibration to Application and Beyond'

27 October 2025 | online

Risk diversification is at the heart of insurance. In a modern Enterprise Risk Management (ERM) approach, a company's entire risk profile - including risk diversification and concentration - must be considered in decision-making processes such as insurance pricing, product design, asset allocation and reinsurance. The impact on risk-oriented... read more

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Web Session 'Machine Learning Finance for Pension Funds with Examples'

30 October 2025 | online

In general, machine learning (ML) is the study of algorithms that improve through experience. These algorithms or models can make systematic, repeatable, validated decisions based on historical data. ML has come a long way in recent years, which is reflected in the methods available for time series forecasting (they are also important for assessing… [read more](#)

Web Session 'Addressing Class Imbalance in Machine Learning'

3 November 2025 | online

In both life and general insurance, many predictive modelling tasks involve outcomes that occur infrequently—such as policy lapses, claims, or fraud. This leads to class imbalance, a situation where the target variable's classes are not represented equally in the data, often with one class (e.g. policy lapse) being vastly outnumbered by the… [read more](#)

Web Session 'Assets and Liabilities Management Part 2: Advanced'

5-7 November 2025 | online

For an insurance company, ensuring the proper coordination between assets and liabilities in order to achieve targeted financial objectives is of paramount interest. A strategy used to reach such objectives is "asset and liability management" (ALM in short). ALM can therefore be viewed as any ongoing process that defines, implements, and monitors…. [read more](#)

Web Session 'Hands-on Adaptive Learning of GLMs for Risk Modelling in R'

10/11 November 2025 | online

In recent years, machine learning techniques have found their way into the insurance world. While these methods generally improve model accuracy, both explainability and manual interventions continue to play a key role in risk and tariff modelling. This is why practitioners in many lines of business still apply Generalised Linear Models… [read more](#)

Web Session 'Applying & Governing AI in Actuarial Work: Implications Assessed'

12 November 2025 | online

Artificial intelligence (AI) is a topic of increasing relevance in our societies, especially regarding its applications within the insurance industry and actuarial work. While it presents certain risks, it also offers numerous opportunities. This session will provide an overview of the types of risks associated with AI, highlight key risk management practices, and… [read more](#)

Web Session 'Emerging Risks: Statistical Analysis and Scenario Building'

13/14 November 2025 | online

In a context of widespread instability, the actuarial analysis of emerging risks takes on particular importance to facilitate the adaptation of insurance to these profound changes. Whether it be old risks with poorly anticipated consequences (such as the epidemiological risk, as demonstrated by the recent Covid-19 crisis, whose consequences can… [read more](#)

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Web Session 'Stochastic Projection Models in Life Insurance'

19 November 2025 | online

With the introduction of new accounting frameworks, the corresponding alignment of planning and performance management and with the increasing need for sophisticated asset liability management, the stochastic assessment of risk and value in connection with participating life insurance portfolios has become the industry standard over... read more

Web Session 'Quantifying the Prospective Impact of Air Pollution on Mortality'

20 November 2025 | online

As climate change accelerates in the 21st century, the need to consider its effects is growing, particularly with regard to emerging risks and their impact on the insurance sector on a global scale. As a result, financial and insurance institutions must integrate environmental factors into their risk management frameworks. The consequences of climate... read more

Web Session 'FIDA for Actuaries: Challenge or Opportunity?'

21 November 2025 | online

Open insurance is once again the talk of the town: Despite a lot of resistance from the industry, its relevance will certainly increase over time. Driven by the market – but also driven by regulation. This web session will provide insights into the new Financial Data Access regulation (FIDA) that is currently one of the hot topics discussed between the... read more

Web Session 'Solvency II Review: Framework Approaches Finalisation'

24 November 2025 | online

The amended Solvency II Directive and a new Insurance Recovery and Resolution Directive (IRRD) entered into force on 28 January 2025. After transposition to national law, they will become applicable from 30 January 2027. The Solvency II framework needs to be accompanied by Delegated Regulation, Regulatory or Implementing Technical... read more

Web Session 'Communication for Actuaries'

25-28 November 2025 | online

The work that actuaries perform plays an important role in society and in a wide variety of areas as the profession is also developing in non-traditional fields. The most common challenge in your work often refers to communicating your findings, results, ideas and arguments to various stakeholders (e.g. non-actuaries) who don't have that... read more

Web Session 'CERA, Module 0: A Refresher Course in Financial Mathematics and Risk Measurement'

1/2 December 2025 | online

The web session gives an introduction to modern financial mathematics and derivative pricing. It is designed to prepare actuaries without adequate training in these fields for the quantitative parts of the CERA education. The web session is moreover an ideal learning opportunity for actuaries who want to become acquainted with or refresh their.... read more

Please find further information about our seminars and all upcoming events on our website: **actuarial-academy.com**

Conference 'EAA Anniversary Conference'
4 December 2025 | online

This year, we are proud to celebrate our 20th anniversary. To mark this milestone, we are hosting the EAA Anniversary Conference - a full-day online event, free of charge for the entire actuarial community. Together, we will celebrate two decades of collaboration, growth and learning. This special event brings together voices from our network… read more

Web Session 'GenAI Beyond the Basics: Advanced Concepts for Actuaries'
10 December 2025 | online

Generative AI (GenAI) tools, such as ChatGPT, are rapidly reshaping the way actuaries approach problem-solving, analysis, and communication. Beyond their familiar web-based interfaces, these tools offer powerful functionalities through programmatic integration, which allows users to directly access and interact with the underlying Large… read more

Web Session 'Worldwide Mortality: From Historical Trends to Future Projections'
28 January 2026 | online

Life expectancy is a key metric for understanding mortality trends and it varies widely depending on factors such as age, gender and geography. During this web session, we will delve into the latest research and data on mortality trends and explore how they have changed over time. Since the middle of the 20th century, world-wide mortality has … read more

Web Session 'AI in Insurance: Strategic Imperative & The Actuary's New Frontier'
3 February 2026 | online

The insurance industry is undergoing a profound transformation, driven by the integration of Artificial Intelligence (AI) technologies across the entire value chain. From underwriting and pricing to claims handling and customer interaction, AI is reshaping traditional processes and enabling insurers to operate with greater speed, precision, and… read more

Web Session 'CERA, Module C: Processes in ERM'
5/6 February 2026 | online

This module deals with the challenges of implementing ERM Processes. It includes requirements on ERM Processes and the discussion of best practices. It will be presented how to define an organisation's risk strategy, risk appetite, risk tolerances and limits. We discuss how business strategy influences risk strategy and show their necessary… read more

Web Session 'From Excel Tariff Calculators to LLM-Powered Python Code'
9 February 2026 | online

Excel-based tariff calculators remain a cornerstone of actuarial work in life insurance, but they come with well-known limitations: complex formulas and embedded VBA code, a lack of transparency, and difficulties in scaling or integrating with modern IT environments. For actuarial migrations and product validations, these tools are still widely… read more

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Web Session 'CERA, Module A: Quantitative Methods of ERM'
17-20 February 2026 | online

The 4-day web session assists actuaries in broadening their knowledge about modern quantitative financial and actuarial modelling; these topics form an essential part of the CERA syllabus. At the beginning of the online training we give a brief overview of the EAA-route to the CERA designation. The core part of the web session begins with an... read more

Web Session 'Actuarial Data Science - Basic
23-25 February 2026 | online

Due to technological progress in connection with Data Science and Digitalization, summarized under the buzzword Big Data, a plethora of opportunities and challenges for the industry is arising. Technological developments have now also reached the insurance industry and thus have a direct impact on the working world of actuaries. Under the... read more

Web Session '10 Years since Paris Climate Accord – Sunny Future or Rainy Days?'
26 February 2026 | online

In 2016 the Paris Climate Accords came into force, with signatory nations committing to limit global warming to well below 2°C, ideally to under 1.5°C compared to pre-industrial levels. A decade later, it's time to assess the progress in the context of the global energy sector's transition. While global temperatures continue to rise and yearly emissions... read more

Web Session 'CERA, Module D: ERM – Economic Capital'
2/3 March 2026 | online

The present training is concerned with the question of economic capital in corporate management. Key aspects are: economic valuation and performance, economic steering, key performance indicators & value based management. A simplified case study for a life insurer shows in a nutshell the central aspects of corporate management in... read more

Web Session 'Introduction into Special Aspects of Life Reinsurance'
4 March 2026 | online

After an initial general introduction to reinsurance, we will look at the specific risks in life (re)insurance and appropriate reinsurance solutions. In this context we will also analyse specific terms commonly used in non-life insurance, such as loss frequency and loss amount. Concrete examples will be used to illustrate the differences between life and... read more

Seminar 'Actuarial Methods for Cyber Insurance'
20/21 April 2026 | Warsaw, Poland

With the rise of digital economy, cyber risk has become a major concern for all customer segments. Although the development of "physical" protection strategies against cyberattacks is fundamental, no protection is perfect, and insurers are intended to play a crucial role in providing financial protection. The cyber-insurance market is increasingly... read more

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EAA Certificate in Actuarial Data Science

Under the heading Actuarial Data Science, many relevant modern procedures and methods are embedded in the actuarial context. Due to the importance of this topic and to provide actuaries and participants working in the field of (actuarial) data science with the necessary expertise, the EAA offers a brand new *EAA Certificate in Actuarial Data Science* consisting of four modules:

- Actuarial Data Science Basic, 23-25 February 2026 | online
- Actuarial Data Science Advanced
- Actuarial Data Science Immersion (**SAVE THE DATE!** 23-25 March 2026)
- Actuarial Data Science Completion

CERA

Based on the 2011-implemented education and examination system of the German Actuarial Association (DAV), the EAA offers a series of training courses and exams (through DAV) to study for the CERA designation, e.g.:

- CERA, Module B: Taxonomy, Modelling and Mitigation of Risks
- CERA, Module 0: A Refresher Course in Financial Mathematics and Risk Measurement, 1/2 December 2025 | online
- CERA, Module A: Quantitative Methods of ERM, 17-20 February 2026 | online
- CERA, Module C: Processes in ERM, 5/6 February 2026 | online
- CERA, Module D: ERM – Economic Capital, 2/3 March 2026 | online

Please visit www.ceraglobal.org to get information if your association is entitled to issue the CERA designation. For more information please also feel free to contact the EAA directly.