

*The Institute luxembourgeois des actuaries is pleased to invite you to a training session
on September 30, 2025*



ALM QUANTITATIVE TOOLS, INTEREST RATE HEDGING STRATEGIES AND STRATEGIC ASSET ALLOCATION (SAA)

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For insurers, aligning assets and liabilities is key to achieving financial objectives. Asset and Liability Management (ALM) provides the strategies and tools to do that. This training introduces the essential quantitative ALM methods used by insurance companies to measure and manage risks, with a particular focus on interest rate risk. Strategic Asset Allocation and advanced option pricing are also part of the scope, ensuring participants gain a broad and practical view of modern ALM practices. Through numerical examples and case studies, attendees will build hands-on skills to apply ALM effectively in today's complex financial and regulatory environment.

PRACTICAL INFORMATION

Date : Tuesday, 30 September 2025
Venue : **HOTEL LE PARC BELAIR**
111 Avenue du Dix Septembre
L-2551 Luxembourg
Schedule : 9h00 à 17h00 (with a morning and
an afternoon coffee break)
Registration: 8h45
Lunch : 12h30 à 13h30

The training will be held in English



With respect to the educational program of ILAC, participation to this training will entitle the ILAC members to 6.5 points CPD.

Please register at :<https://www.ilac.lu/agenda/fiche/2025/09/30/alm-quantitative-tools-interest-rate-hedging-strategies-and-strategic-asset-allocation-saa>

TRAINING PROGRAM

1. An overview of ALM

What is ALM?

Missions of an ALM department and risks studied by ALM

Regulation and ALM (Solvency II for insurance companies)

2. Quantitative tools for ALM

Notion of yield curve

Gap analysis, Cash-flow matching, Duration & Convexity

Application in ALM

3. Quantitative tools for ALM: extensions

Fisher-Weil duration and extended convexity

Generalized duration and convexity

Effective duration and convexity

4. Illustrations and Case study

Illustrations and Exercises on Duration & Convexity

Hedging case study

5. Strategic Asset Allocation

Introduction to multi-asset ALM tools

Strategic Asset Allocation

Total Return Approach

Value-at-Risk : a brief introduction

Illustration : ESG and SAA tool



REGISTRATION FEES

- **ILAC Member :**
EUR 150 per registration
- **ILAC Donor Membre** (*non-ILAC member but employed by a donor member*)
EUR 250 per registration
- **Non-Member of ILAC:**
EUR 600 per registration

Please request the invoice by email from the Secretariat.: secretariat@ilac.lu