



Singapore College
of Insurance

The AI Advantage in Insurance

Build AI-ready capability—fundamentals,
application, ethics & governance.

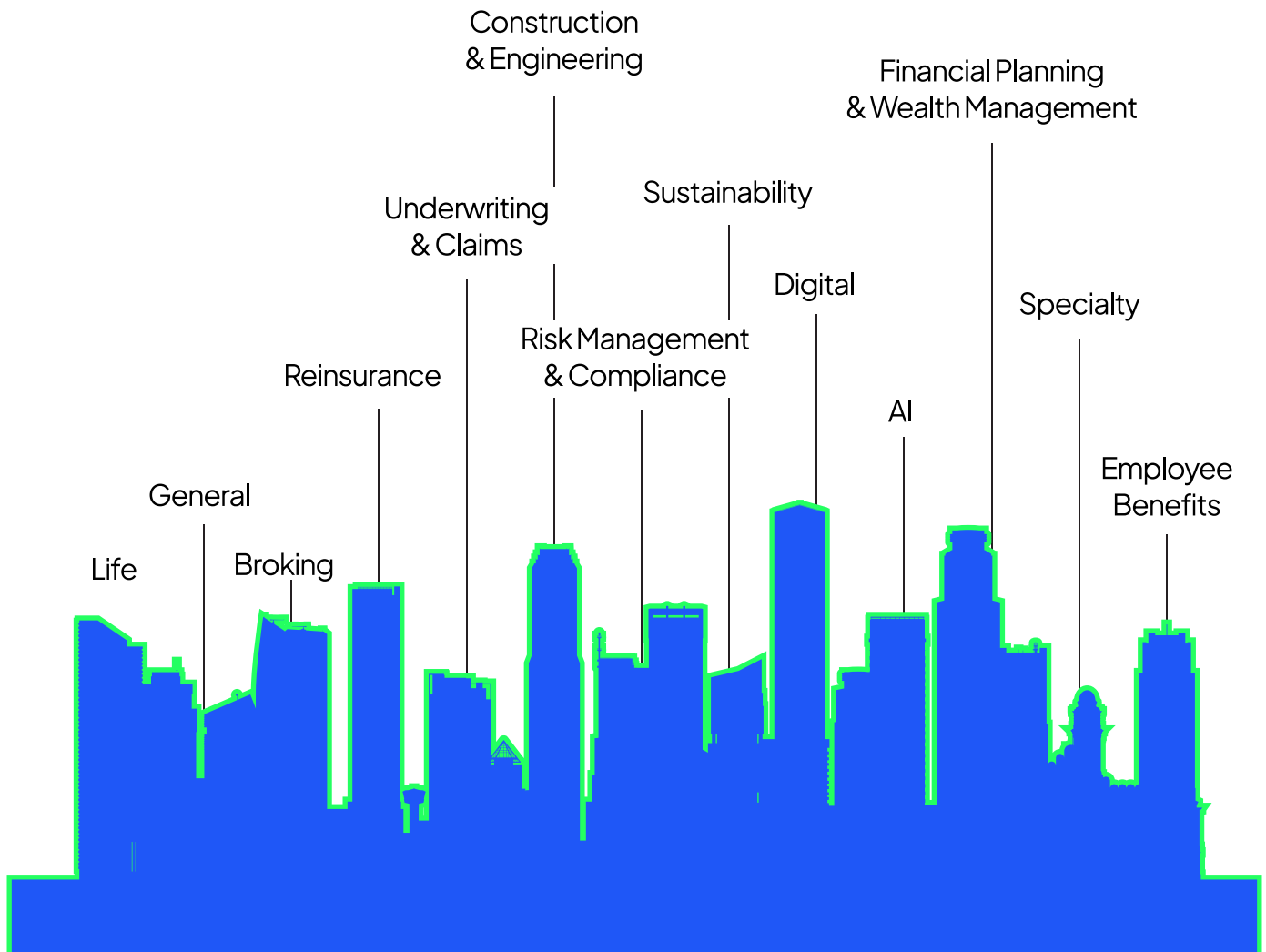


About Singapore College of Insurance

Over 50 Years of Empowering Talent Across 50 Countries That Are Powering the Future of Insurance.

For over 50 years, SCI has been the trusted partner in shaping talent and building capabilities for the insurance industry. From leading-edge training and professional certifications to tailored talent development programmes, we help professionals stay ahead in a fast-changing world. Today, we proudly serve clients across the globe – nurturing a future-ready workforce for the industry’s next chapter.

We Help Strengthen Industry Capabilities Across Various Areas



Experience the Difference When Partnering With Us

Programmes Built by the Industry, For the Industry

SCI's industry-driven curriculum, developed with Subject Matter Experts, spans life, general, broking, reinsurance, and sustainability insurance. Our programmes equip professionals with practical expertise to apply knowledge, adapt to change, and lead with confidence in a dynamic insurance environment.

Regional and International Impact

SCI champions talent development across ASEAN and beyond, forging strategic partnerships with renowned International institutions such as the Chartered Insurance Institute (CII) and The American College of Financial Services. Our programmes align with international best practices while being thoughtfully tailored to the evolving needs of the international insurance landscape.

A Strategic Talent Development Partner

SCI addresses the full spectrum of your workforce development challenges - from talent attraction and upskilling to leadership pipeline. Our tailored programmes are designed to build agile, future-ready teams equipped to thrive in a dynamic insurance landscape.

Award-Winning Educational Excellence

Seven-time recipient of the Asia Insurance Industry Educational Service Provider of the Year award, SCI continues to deliver top-tier education that adapts to the evolving needs of the industry.

Tailored Solutions for Corporate Growth

Our customised training - delivered on-site, virtually, or in hybrid formats - provides high-impact skills and drives real business outcomes for your teams.

Pioneers in Sustainable Insurance Education

SCI offers specialised courses in green insurance and sustainable risk management, equipping professionals to navigate and lead in the evolving landscape of sustainable finance.

Introductory Level

3 CPD Hours

The Impact of Artificial Intelligence (AI) on Reinsurance

Artificial Intelligence (AI) is reshaping the insurance industry, and reinsurance, with its complex risks and data-driven decisions, is uniquely impacted. The Impact of Artificial Intelligence (AI) on Reinsurance course is a focused 3-hour virtual programme designed to help reinsurance professionals understand how AI is transforming underwriting, pricing, claims, portfolio management, and strategic decision-making.

This programme demystifies AI, Machine Learning, and Generative AI in clear, non-technical terms, highlighting how they differ from traditional actuarial models and why reinsurance presents both significant opportunities and distinct challenges, particularly in long-tail and catastrophe exposures.

Participants will explore practical AI applications across the reinsurance value chain — from treaty pricing, exposure and accumulation management, catastrophe modelling, claims triage, reserving support, fraud detection, and capital optimisation.

Importantly, this programme also addresses the risks and governance challenges of AI adoption, including model bias, explainability, regulatory expectations, and the need for strong human oversight.

The session concludes with a forward-looking discussion on how AI may reshape reinsurer–cedant relationships, broking dynamics, and professional roles — reinforcing that AI is a decision-support tool that must be applied with sound judgment, discipline, and accountability.

Introductory Level

7 CPD Hours

AI Governance & Risk Management for Insurers

As artificial intelligence becomes increasingly embedded across underwriting, claims, pricing, and customer engagement, insurers face growing expectations to manage associated risks responsibly. This one-day workshop provides a practical and accessible understanding of AI governance and risk management, anchored in the Monetary Authority of Singapore's proposed AI Risk Management Guidelines (AIRG).

Participants will start with a non-technical primer on AI—from machine learning to emerging agentic systems—before exploring key risk areas, including operational, ethical, regulatory, and reputational risks. Through interactive case vignettes, they will apply risk identification concepts to real-world insurance scenarios.

The programme also examines Singapore's approach within the global AI governance landscape, highlighting key regulatory trends. In addition, the programme focuses on implementation, covering governance frameworks, materiality assessments, alignment with ISO 42001, and controls across the AI lifecycle.

By the end of the workshop, participants will gain practical insights and a clear roadmap to operationalise AI governance within their organisations.

Introductory Level

7 CPD Hours

AI Essentials: Reimagining Insurance Workflows

This one-day beginner workshop helps insurance professionals harness AI-driven workflows to automate tasks, improve decision-making, and enhance service across underwriting, claims, and customer engagement. Through demonstrations and hands-on practice with no-code tools like ChatGPT, participants learn to design practical AI solutions that deliver measurable value. By the end, attendees gain a clear, responsible roadmap for implementing AI within their own organisations—without needing programming experience.

Introductory Level

3 CPD Hours

AI Ethics & Governance In Insurance

This course equips insurance professionals with practical, industry-focused knowledge of responsible AI use across underwriting, claims, distribution, fraud detection, and customer service. It examines real-world AI failures, ethical risks, and key concepts like fairness and explainability, aligned with Singapore regulations including MAS' FEAT principles and the Veritas initiative. Through discussions and scenario exercises, participants learn to identify risks and implement practical governance controls, even at early AI maturity stages.

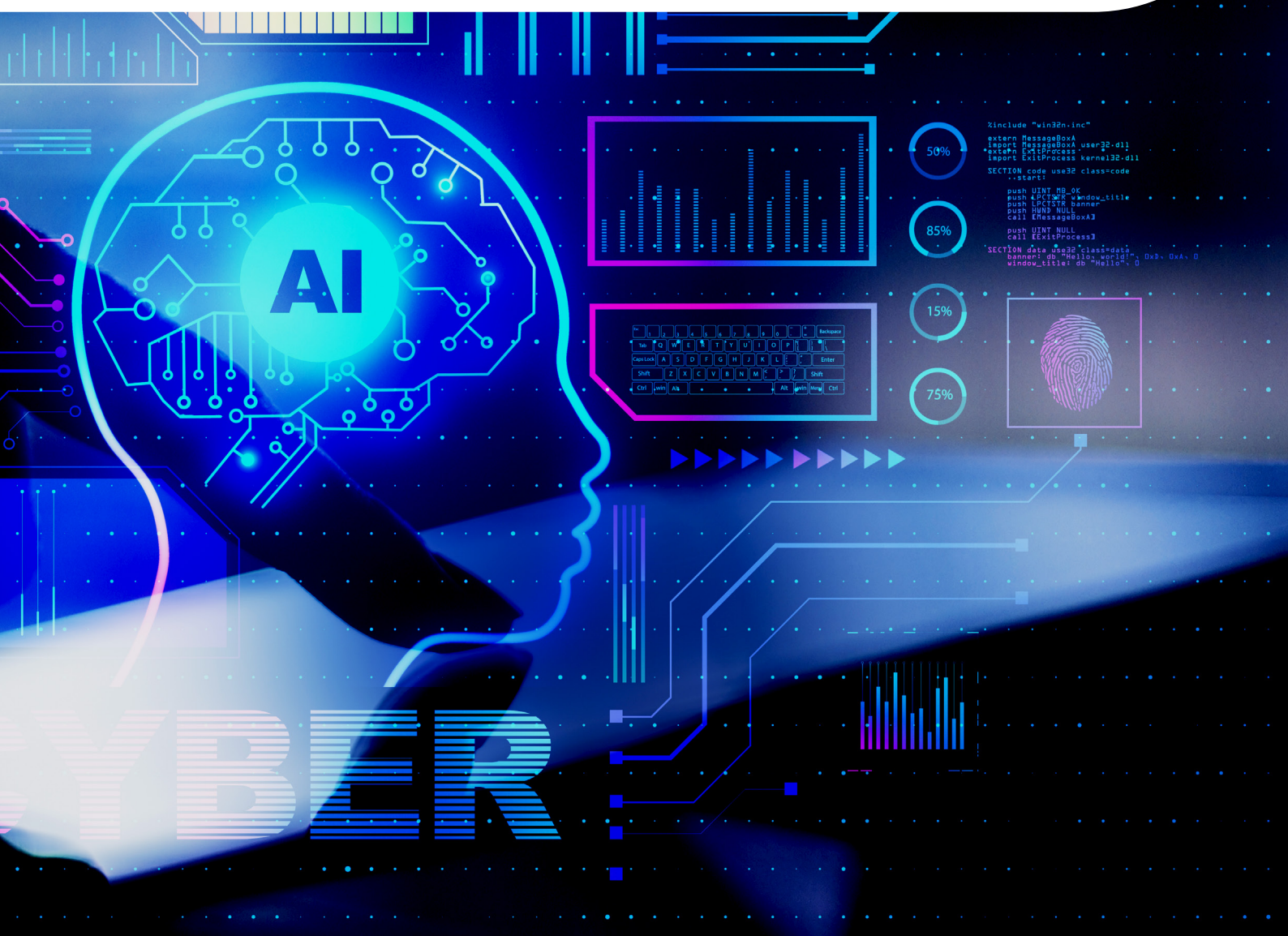


Register Your
Interest Now



Newly Launched Short Courses on AI in Finance

- AI-Driven Fraud Prevention: The Future of Insurance Claims & Risk Detection
- Gen AI Explorer Learning Program for insurance professionals (powered by The Digital Insurer)
- GenAI Masterclass For Financial Adviser Representatives
- Mastering AI in Financial Sales
- Prompt Smart: Responsible Generative AI for Sales Professionals in the Insurance Industry
- The AI Latest Opportunities, Trends and Risks in Insurance and Beyond



Data Analytics & AI Programmes

Powered by the Center of Applied Data Analytics (CADS AI)

For Insurance, Takaful & Enterprise Organisations

This programme is structured into six building blocks that take participants from **AI awareness and leadership** alignment through to **practical analytics capability and real-world application**.

Executive Education

Leadership & Strategic Programmes

Designed for executives and senior leaders to drive AI transformation with confidence

Programme Outcome

Strategic Vision

Leaders equipped to articulate AI's transformative potential

Decision Confidence

Ability to evaluate AI investments and vendor solutions

Governance Framework

Ethical AI deployment aligned with regulatory requirements

Risk Management


Understanding AI risks and mitigation strategies



Data & AI Literate Leaders in Insurance

Strategic Leadership Track

A strategic programme for insurance and takaful leaders to understand how data, analytics, and AI transform decision-making, risk, and governance.


 **Target**
C-suite, Board Members,
Senior Executives

 **Focus**
Strategic AI leadership without technical depth

Agentic AI for Insurance

Regulated Environment Ready

Introduces AI agents in insurance operations, including underwriting, claims, customer service, and fraud detection with governance frameworks.

 **Applications**
Underwriting, Claims,
Service, Fraud Detection

 **Focus**
Governance, human-in-the-loop, ethical deployment

AI Readiness Assessment

Foundation for Transformation

A structured organisational assessment evaluating leadership readiness, workforce capability, data maturity, governance, and technology infrastructure.

 **Deliverables**
Readiness scorecard & prioritised roadmap

 **Outcome**
Scalable AI adoption strategy

Organizational Capability

Enterprise AI & Data Literacy

Building organization-wide AI capabilities with ethical foundations and practical applications

Organizational Impact

These programmes create a foundation of AI literacy across all levels, enabling informed decision-making and responsible AI adoption throughout the enterprise.

Enterprise AI Practitioner – Shariah

A specialised programme exploring AI adoption through a Shariah-aligned lens, covering ethical considerations, governance, and responsible AI use in Islamic finance, takaful, and regulated sectors.

- ✔ Shariah compliance in AI applications
- ✔ Ethical AI frameworks for Islamic finance
- ✔ Governance in takaful environments
- ✔ Responsible AI deployment strategies

Ideal for: Islamic finance professionals, takaful operators, Shariah advisors

AI Literacy for Non-Technical Professionals

A foundational course enabling non-technical professionals to understand AI concepts, opportunities, and limitations. Focuses on practical usage, risks, and responsible decision-making rather than coding.

- ✔ Understanding AI capabilities & limits
- ✔ Identifying AI opportunities in workflows
- ✔ Managing AI risks and ethical concerns
- ✔ Practical AI tool usage for productivity

Ideal for: Business users, operations staff, support teams, all professionals

Data & AI Literacy for Managers (DLL)

Designed for managers leading data- and AI-enabled teams. Covers interpreting analytics, asking the right questions, managing AI risks, and embedding data-driven decision-making into daily operations.

- ✔ Interpreting analytics and dashboards
- ✔ Asking the right data questions
- ✔ Managing AI implementation risks
- ✔ Embedding data-driven culture

Ideal for: Team leaders, department heads, project managers

Foundational Skills

Analytics & Generative AI Foundations

Bridging core analytics with cutting-edge generative AI capabilities and responsible implementation

Analytics Foundations & Prompt Engineering

Introduces core analytics concepts alongside effective prompt engineering for generative AI. Participants learn how to interact with AI tools to analyse information, generate insights, and improve productivity.

Analytics Foundations

- Data types & structures
- Descriptive statistics
- Data visualization basics
- Exploratory analysis

Prompt Engineering

- Crafting effective prompts
- Iterative refinement
- Context management
- Output validation

Learning Outcome: Participants gain practical skills in both traditional analytics and modern AI interaction, enabling them to leverage generative AI tools effectively for business analysis and decision support.

Responsible AI in Takaful Context

Focuses on ethical, governance, and regulatory considerations when applying AI in takaful and Islamic insurance environments. Covers fairness, transparency, accountability, and Shariah compliance.

Core Principles

- Fairness & non-discrimination
- Accountability frameworks
- Transparency & explainability
- Shariah compliance

Key Topics

- Ethical AI frameworks in Islamic finance
- Regulatory landscape and compliance requirements
- Bias detection and mitigation strategies
- Governance structures for AI oversight

Learning Outcome: Participants understand how to implement AI responsibly within takaful operations, ensuring alignment with Islamic principles and regulatory standards.

Both programmes include hands-on exercises and real-world case studies.

Practical Application

Visualization, Communication & Application

Transforming data into compelling narratives and real-world business impact

Visualization & Storytelling

Teaches participants how to communicate insights clearly using data visualisation and narrative techniques. Focuses on executive-ready dashboards and decision-focused storytelling.

Core Competencies

- Designing executive-ready dashboards
- Crafting data-driven narratives
- Visual best practices & design principles
- Selecting appropriate chart types

The Three-Question Framework

Effective dashboards answer: What's happening? → Why is it happening? → What should we do?

Learning Outcome: Participants create compelling visual narratives that drive decision-making, transforming complex data into clear, actionable insights for stakeholders.

Capstone Project

A practical, applied project where participants solve a real organisational or industry problem using data and AI concepts learned throughout the programme. Emphasises application, evidence, and impact.

Project Structure

1. Problem Identification: Define business challenge
2. Data Collection: Gather and prepare relevant data
3. Analysis & Modeling: Apply learned techniques
4. Solution Development: Create actionable recommendations
5. Presentation: Communicate findings to stakeholders

Evaluation Criteria

- Application of concepts
- Evidence-based analysis
- Business impact potential
- Communication clarity

Learning Outcome: Participants demonstrate mastery by solving real business problems, creating portfolio-worthy projects that showcase their data and AI capabilities.

GenAI Explorer Learning Programme for Insurance Professionals

SCI x TDI (The Digital Insurer)



Programme Structure

5 Key Learning Tools



On-demand Learning

6 X 1-hour lessons of on-demand learning for the insurance industry on GenAI. Available 24/7 from anywhere.



3 Interactive & Virtual Live Events

- 45 minute Kick-Off Event
- 90 minute Prompt Event
- 120 minute Use Case Event
- Events contain challenge questions, polls and discussions as well as “hands-on” with Gen AI tools. Customized for you to ensure business outcomes are maximized



GenAI Library

- Access unique library of more than 20 case studies & use cases for generative AI
- Also includes an Interactive prompt library for ongoing prompting experience and tips
- Full access exclusively for Programme participants



Private Community

- Private LinkedIn-like community just for your GenAI Explorer Participants. They can share tips, research and complete Programme challenges, showcase internal GenAI initiatives as well as access all libraries and learning content. Option for sandbox for MS Copilot access.

Key Programme Benefits

- ✔ **Immerse**
in GenAI for personal and insurance use
- ✔ **Increase**
understanding of the tools
- ✔ **Inspire**
with industry case studies
- ✔ **Interact**
within own virtual community
- ✔ **Ideate**
use cases within your enterprise cohort
- ✔ **Insights**
via participant feedback to give you additional perspectives



Corporate Training Solutions (CTS)

Exclusive Learning for the Insurance Industry

At the **Singapore College of Insurance (SCI)**, we understand that every organisation faces unique challenges and priorities. That's why our **Corporate Training Solutions (CTS)** are purpose-built to help organisations empower their employees with the knowledge, skills, and mindset to thrive in today's rapidly evolving insurance landscape. Our dedicated team can work with your organization to create tailored learning experiences that meet your training and development goals.

Why Choose SCI's CTS?



Tailored to Your Workforce

We partner with your organisation to co-create programmes that directly support employee development and align with your strategic goals. From content design to delivery format, every detail is customised for maximum relevance, engagement, and impact.



Grounded in Insurance Expertise

With decades of experience at the heart of the insurance industry, SCI ensures that every programme is anchored in practical, real-world applications and addresses the challenges employees encounter on the job.



Enriched by Global Insights

Through our international network of practitioners and thought leaders, employees gain exposure to the latest industry insights, best practices, and emerging trends shaping the future of insurance.

The SCI Advantage

By investing in SCI's Corporate Training Solutions, organisations can:

- Equip employees with future-ready skills
- Build confidence to navigate industry changes and regulatory shifts
- Strengthen technical expertise and professional judgement
- Develop leadership, collaboration, and client-focused mindsets

For CTS enquiries, contact us at: TT@scidomain.org.sg

All programmes in this Artificial Intelligence Series are available as SCI's Corporate Training Solutions (CTS). Beyond the listed courses, SCI can also tailor additional training - from foundational to advanced topics - to meet your organisation's needs.

50+ YEARS of


Nurturing Talent and Building Capabilities





Explore our Full Suite of Training Programmes

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Singapore College of Insurance

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Information presented on this marketing material is correct at the time of publishing. However, changes to the programme contents, dates, time, duration and venue can occur owing to unforeseen circumstances. Every effort will be made to inform all participants of such changes on a timely basis.