



Singapore College
of Insurance

Intermediate Level

AI-Enabled Insurance Fraud: Emerging Threats, Detection & Investigation

Register Now



22 October 2026



3 CPD hours



9.00 a.m. to 12.00 p.m.



Virtual Instructor Led Training

Artificial Intelligence is changing both the nature and sophistication of insurance fraud. Generative AI can increasingly be used to create convincing documents, synthetic identities, manipulated photographs, fabricated evidence and deepfake audio or video, potentially making fraudulent activity more difficult to identify using traditional methods.

At the same time, insurers are deploying increasingly sophisticated analytics, anomaly detection, network analysis and AI-assisted investigation tools to identify suspicious activity more quickly and accurately. This course examines both dimensions of the evolving landscape—AI as an enabler of insurance fraud and AI as a powerful counter-fraud capability.

Participants will explore emerging AI-enabled fraud techniques and how technologies such as machine learning, graph analytics, fraud scoring, image and document verification and digital forensic tools can strengthen detection and investigation. The course will also consider how AI-enabled fraud controls can be incorporated into claims and underwriting processes while retaining appropriate investigator judgement and human oversight.

The session concludes by examining privacy, ethical, governance and regulatory considerations associated with AI-enabled fraud analytics and investigations, enabling participants to consider how their organisations can strengthen counter-fraud capabilities while maintaining fairness, accountability and customer trust.



Target Audience

This course is suitable for:

- Special Investigation Unit (SIU) managers and fraud investigators
- Claims directors, claims managers and senior claims handlers
- Loss adjusters, assessors and claims specialists
- Underwriting and operations managers
- Enterprise risk management professionals
- Compliance and financial crime professionals
- Internal auditors and governance professionals
- Legal counsel
- Cybersecurity and cyber-risk professionals
- Data analytics and fraud analytics teams
- Insurance professionals responsible for counter-fraud controls and investigations



Key Learning Outcomes

At the end of the programme, participants should be able to:

- Identify emerging forms of AI-enabled insurance fraud, including synthetic identities, deepfakes, manipulated evidence and AI-generated documentation.
- Explain how AI and advanced analytics can be applied to detect suspicious patterns, anomalies and organised fraud activity.
- Evaluate the use of digital forensic, authentication and AI-assisted investigation techniques in verifying documents, images, audio and other claims evidence.
- Assess how AI-enabled fraud detection can be integrated into underwriting and claims workflows while maintaining effective human judgement and investigation.
- Evaluate the legal, privacy, ethical and governance considerations associated with AI-enabled fraud detection and investigation.



Topics Covered

- The Emerging Landscape of AI-Enabled Insurance Fraud
- AI-Powered Fraud Analytics & Detection
- Digital Evidence, Deepfakes & AI-Assisted Investigation
- Embedding AI into Claims & Fraud Investigation Workflows
- Governance, Privacy & Responsible Counter-Fraud Intelligence



Programme Fee

S\$218.00 (inclusive of 9% GST)

A 10% Group Discount is also applicable for organisations registering a minimum of three participants.



Programme Leader

Mr. Michael Skiba

*CEO, Consultant, Trainer, International Financial Crime/Cybersecurity Expert,
TV Personality*

Dr. Fraud Training Group

Dr. J. Michael Skiba (Dr. Fraud®) is an international expert in financial and cybercrime and President of the International Fraud Training Group. With over 30 years of experience - including 22 in corporate fraud investigation and nine as a global trainer - he has advised organizations and governments across more than 100 countries. He is also a UN consultant and tactical intelligence officer specializing in financial crime.

Dr. Skiba chairs the Criminal Justice Department at Colorado State University Global, where he teaches Fraud and Cybercrime. A frequent media commentator featured on CNBC, Bloomberg, and NewsNation, he has authored *The Psychology of Fraud* and delivered over 400 keynotes worldwide.

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(+65) 6221 2336



tt@scidomain.org.sg