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ASIASchool of Business
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OPEN ENROLLMENT PROGRAM

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# TRANSFORMING CREDIT APPROVALS WITH AI

## SMARTER, FAIRER, AND MORE INCLUSIVE CREDIT SCORING


## PROGRAM DETAILS

| FACULTY | DATE/TIME | FEE* | VENUE |
|---|---|---|---|
| Juraj Hric | 19 August 2026<br>9.00AM - 5.00PM | RM3,500 \| USD875<br>*Program fee is 100% HRD Corp claimable. T&C applies* | Asia School of Business |

**Note: ***

- Excludes Sales & Service Tax (8%)
- Fee excludes accommodation at ASB Residential for outstation/ overseas participants but can be arranged at additional cost.
- USD Pricing is indicative pricing. All fees are invoiced in Malaysian Ringgit (RM). USD amounts are shown for reference only and will vary based on the prevailing exchange rate at the time of payment.

## Program Overview

This program introduces the key concepts and methodology behind utilizing AI and privacy-preserving technologies to generate comprehensive credit scores for Micro, Small, and Medium Enterprises (MSMEs) based on diverse data sources, including financial records, transaction histories, and alternative data points. Through real-world use cases, participants will learn how to build a more inclusive evaluation framework for MSMEs, while ensuring data confidentiality and security throughout the credit scoring process. The program will also cover key AI concepts, applications of AI in finance, and ethical considerations, including potential risks and mitigation strategies. Interactive, hands-on sessions will reinforce learning.

## Learning Outcomes

- Explain the key AI concepts and basic AI models relevant to credit scoring
- Provide insights into how AI is transforming credit risk assessment and financial inclusion
- Apply AI solutions to credit scoring and underwriting tasks
- Analyze alternative data using AI for creditworthiness evaluation
- Formulate ethical considerations of using AI in credit scoring in the context of financial services in Malaysia and beyond

## Who Should Attend?

- Professionals in finance, banking and regulatory bodies
- Entrepreneurs and leaders of Fintech platforms
- Anyone interested in leveraging AI for credit inclusion

## Program Outline

**Session 1: The Role of AI and Alternative Data in Credit Inclusion**

***Emerging Trends and the Future of AI in Credit***

- Opportunities and challenges in enhancing credit inclusion
- Global emerging trends on the use of AI and alternative data for credit scoring
- Industry-specific AI and GenAI advancements and regional adoptionfor credit assessments

***Technology Enablers for Credit Inclusion***

- Drawing insights of credit worthiness through alternative data sources
- Use of machine learning models for credit scoring
- Ensuring privacy compliance using privacy preserving technologies

***Global and Regional Use Case Highlights***

- Credit scoring of Micro, Small and Medium Enterprises (MSMEs) in China, Japan and Australia using cashflow payment and other alternative data
- Development of alternative credit scoring framework in Hong Kong under the Hong Kong Monetary Authority

**Session 2: Technology Building Blocks**

*Alternative Data Selection, Preparation and Implementation*

- Choosing alternative data: telco usage, utility payments, e-commerce transactions, digital wallets, e-invoicing, and psychometric data (with appropriate consent and ethical considerations)
- Categorizing alternative data types: behavioural data, contextual data, digital footprint data
- Assessing and validating data quality
- Addressing biases and limitations inherent in alternative data sources
- Strategy for data collection, integration, and validation

*Neural Networks and Machine Learning Models for Credit Scoring*

- Key AI components: Neural networks, machine learning, and deep learning
- Understanding AI workflows: Data, models, and predictions in the context of credit scoring
- How Neural Networks learn and make predictions in credit risk
- Supervised (regression) vs. Unsupervised (clustering) Learning in the context of credit analysis and scoring with practical examples
- Reinforcement learning for decision-making in dynamic environments (e.g. loan management)
- Ensemble methods for improved accuracy and robustness
- Time series analysis for incorporating dynamic and temporal patterns in credit risk assessment

***Hands-on Activity 1:*** *Use an AI-powered tool or a platform in a simulated exercise to explore credit risk assessment based on a sample set alternative data. Students could be tasked to analyze creditworthiness, generate image for loan collaterals, or output credit risk reports.*

**Session 3: AI and Business Innovation in Credit Inclusion**

*AI Innovation in Credit Businesses*

- AI-enabled financial inclusion for MSMEs in developed and developing economies
- Innovation in credit scoring: Alternative data, faster processing, and personalized offers
- Innovation in underwriting: Automated decision-making and improved accuracy

*Putting in Practice: Case Studies of Successful Implementations*

- Malaysian fintech partners with e-commerce platforms providing financing to online sellers
- Malaysian bank uses telco data to score individuals in rural areas with limited credit history
- Key takeaways of implementation of credit scoring of MSMEs in China and Japan using cashflow, payment and other alternative data
- Key takeaways of Hong Kong Monetary Authority's Alternative Credit Scoring project and lessons learned from industry implementation

*Opportunities for AI in Your Credit Business*

- Identifying high-impact areas for AI and Gen AI deployment in your organization
- Aligning AI / Gen AI initiatives with strategic goals for credit expansion and risk management
- Scalability and ROI of AI-driven credit solutions
- Quick wins vs. long-term investments in AI for credit

***Hands-on Activity:*** *Participants work in small groups to analyze a hypothetical or real scenario related to credit risk assessment in Malaysia. They identify potential areas for AI adoption, rank them based on impact and feasibility, and outline a high-priority implementation plan.*

**Session 4: Ethics, Risks and Roadmap Ahead in AI for Credit**

*Ethical Concerns in AI for Credit*

- Addressing bias and fairness in AI-driven credit scoring models
- Privacy considerations in alternative data usage and credit decisions
- Building accountability and transparency in AI applications for lending

*Risks Associated with AI in Credit*

- Potential discriminatory outcomes and adverse impact on vulnerable groups
- Data security threats and lack of adequate human oversight
- Need for sustainable workforce upskilling in the credit industry

*Best Practices for Ethical AI Implementation in Credit*

- Guidelines for responsible AI development and deployment in financial services
- Regulatory frameworks and compliance – PDPA in Malaysia, potential future AI regulations
- Building trust in AI-driven credit systems through stakeholder engagement

*Roadmap Ahead*

- Viable business model: partnering with data owners on the sharing of alternative data
- Role of government: facilitating adoption through centralized credit-scoring data-interchange
- Inclusion impact expected: Enabling MSME-centric financial service personalization

## Faculty

**Juraj Hric** is a quant strategist, trader and investor on a mission to bridge the divide between applied AI, data science and finance, helping asset allocators embrace the new digital paradigm. He brings over two decades of proven, hands-on experience in global markets, where he has orchestrated and operated trading and risk platforms at the highest level.

His expertise spans the full breadth of modern markets, with deep command of multi-asset management, quantitative trading, hedging, and structuring. Throughout his career he has been a strong proponent of AI-driven solutions in this space, consistently working at the frontier where advanced data science meets institutional investment practice. As a result, he has first-hand experience with the practical realities of building, running, and extracting value from sophisticated trading and risk infrastructure.

Alongside his market work, Juraj is an adjunct lecturer and course convenor at the University of New South Wales (UNSW) School of Banking and Finance, and at the University of Sydney Business School (USYD), teaching across finance and financial technology. His research interests include applied artificial intelligence, financial mathematics, portfolio management, asset pricing, tokenization, quantitative trading, investing, and behavioural finance. He is deeply passionate about teaching and about developing the next generation of leaders across the industry.

Juraj holds an MBA from the Kellogg-HKUST Executive MBA Program (ranked the number one EMBA in the world), an LLM in International Financial & Commercial Law from King's College London, and a first-class BCom (Hons) in Accounting & Finance from the University of Western Australia. He is a co-author of the book Applied Data Science in Fintech: Models, Tools, and Case Studies. Routledge, 2026.

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Transforming Credit Approvals With AI