

SMU LAW ACADEMY

UNDERSTANDING THE LEGAL IMPLICATIONS OF ARTIFICIAL INTELLIGENCE AND OTHER EMERGING TECHNOLOGIES



- EXECUTIVE SHORT COURSE
- COVERS THE LATEST LEGAL ASPECTS OF AI AND NEW TECHNOLOGIES
- SPECIALLY CURATED FOR JUDGES
- EXPERT TEAM OF INSTRUCTORS AND INTENSIVE TIMETABLE

About the Course:

This intensive course aims to provide judges with foundational knowledge about key legal and regulatory issues around the use of AI and other emerging technologies. Participants can look forward to a set of modules crafted with their particular needs in mind. They will learn how they can harness technology to better manage internal court and policy processes and improve on the efficiency and quality with which services are delivered to the general public. Participants will further acquire a nuanced appreciation of the impact of technologies across a range of legal domains and gain insights into the available strategies and approaches that they can embrace in response to, or anticipation of, technology adoption and innovation.

The course is organized by the SMU Law Academy, which has an established track record of providing legal professionals with high quality executive seminars, and is delivered by a team of dedicated and highly experienced tutors drawn from academia, practice and government.

The course is suitable for:

- Judges from Singapore, ASEAN countries or overseas jurisdictions who are or expect to be confronted with disputes arising from AI or other new technologies;
- Those seeking to harness new and emerging technologies to transform internal work processes, e.g. to deliver more efficient services or better access to justice.
- Judges seeking the opportunity to gain a deeper understanding of AI and new technologies.

This course will be delivered fully online via Zoom.

SCHEDULE

26 NOVEMBER 2020

9.30am - 10.45am	Module 1: Automating Legal Proceedings (A/Prof Dorcas Quek)
	This module provides participants with a succinct overview of the fundamentals of AI and the configuration of the AI landscape today. It further highlights why automation of internal legal processes and workflows may be beneficial from an organizational perspective and how AI-enabled technology can be implemented in court or regulatory processes.
10.45am - 10.55am	Break
10.55am - 12.10pm	Module 2: Principles of Legal Design (Marc Chial)
	Design thinking allows legal professionals to make better and more creative use of their legal knowledge to solve problems and respond to unexpected opportunities or challenges. Participants will be introduced to the basic methodology and tools of legal design. With the help of examples, they will analyse different kinds of innovative, human-centric solutions that are made possible through the use of design thinking.
12.10pm - 1.15pm	Lunch break
1.15pm - 2.30pm	Module 3: AI, Robotics and the Law (A/Prof Jerrold Soh)
	As the reliance on robots and robotic process automation applications spreads across industries, legal and ethical frameworks must keep pace. This module considers how policies and principles may need to be (re)designed to ensure continued protection of safety and security without excessively curbing innovation. Topics to be covered include compliance with existing legal standards and attendant liability for breaches, legal personhood for machines, and the use of robotic applications for profiling and the delivery of services.
2.35 pm - 3.50pm	Module 4: Fundamentals of Smart Contracts and Blockchain (A/Prof Lim How Khang)
	The term Blockchain is often used as shorthand for a set of technologies that enable data to be securely stored among a distributed network. Participants will gain an appreciation of the Blockchain's unique benefits and challenges through an exploration of the specific problems that each underlying technology attempts to address. In addition, the module will cover "smart contracts" and introduce participants to ongoing projects to develop standards and tools that enable automated applications on the Blockchain. Finally, these technologies will be examined from a legal and regulatory perspective to highlight risks and challenges.
3.50pm - 4.00pm	Break
4.00pm - 5.00pm	Module 5: Case study of the Singapore Judiciary (Tan Ken Hwee)
	This module showcases the various IT systems used by the Singapore judiciary, the reasons for their creation and the challenges confronted in their development and subsequent implementation. The systems covered include the Electronic Filing System, eLitigation, integrated Family Application Management System, mobile infocomm technology facilities, and future plans.

SCHEDULE

27 NOVEMBER 2020

9.30am - 10.45am	Module 6: Privacy and Data Protection Law (A/Prof Warren Chik)
	This module compares the purpose and scope of leading privacy and data protection regimes in Asia as well as further afield, including Europe's General Data Protection Regulation. Participants will be exposed to the range of obligations that data/privacy protection regimes can impose and their possible interpretations. Explicit attention will be devoted to the regulation of data intermediaries.
10.45am - 11.00am	Break
11.00am - 12.15 pm	Module 7: Information Security and Cyber Crime (Chui Lijun)
	The proliferation of online services and unrelenting pace of global internet connectivity has made cyber security a pressing concern for both the private and public sector. This module surveys the key cyber-attack trends and outlines approaches that regulators and the judiciary can take to investigate, mitigate and ideally prevent such attacks.
12.15pm - 1.30pm	Lunch break
1.30pm - 2.45pm	Module 8: Internet Jurisdictional Issues and Dispute Resolution in e-Commerce (Prof Yeo Tiong Min)
	The online activities of individuals and companies raise complex jurisdictional questions that could result in jurisdictional overreach, duplication or a jurisdictional vacuum. This module considers the application of private international law principles to the online environment, with a particular focus on e-commerce transactions and online dispute resolution mechanisms.
2.45pm - 3.00pm	Break
3.00pm - 4.15pm	Module 9: Fintech, Cryptocurrencies and Anti-Money Laundering (A/Prof Aurelio Gurrea-Martínez & Nydia Remolina)
	This module provides participants with an understanding of the decentralized monetary system of cryptocurrencies, and the implications thereof for fighting white collar crimes such as anti-money laundering.
4.20pm - 4.40pm	Reflections, Future Outlook & Concluding Remarks by The Honourable The Chief Justice Sundaresh Menon
4.40pm - 5.00pm	Fireside Chat with The Honourable The Chief Justice Sundaresh Menon – moderated by Professor Goh Yihan, Dean of SMU School of Law

BIOGRAPHIES

MODULE 1



Dorcas Quek

Dorcas is an Assistant Professor of Law in the Singapore Management University's School of Law. As a practising mediator and a former District Judge, Dorcas' research on dispute resolution is drawn from her experience. Her research, including her recent exploration of Online Dispute resolution, has been published in international journals including Harvard Negotiation Law Review and International Journal of Law in Context. Dorcas is a certified mediator with International Mediation Institute and Singapore International Mediation Institute, and has conducted dispute resolution training for Singapore Mediation Centre, Singapore International Mediation Centre and the Attorney-General's Chambers. Dorcas is also a Fellow of the National Center for Technology and Dispute Resolution (www.odr.info)

MODULE 2



Marc Chia

Marc is the co-founder of Regall, a legal design and technology firm working with legal organisations to reinvent legal technology and services. Combining a legal background with work in technology design and adoption in legal technology companies, Marc focuses on practicable solutions at the intersection of business, technology and law. Marc is a member of the Legal Design Alliance, a global network committed to making the legal system more human-centered and effective through the use of design. Marc is also an editor and writer with Lawtech.Asia, a law and technology review focusing on legal technology developments in the Asia region.

MODULE 3



Lim How Khang

Assistant Professor (Practice) Lim How Khang holds cross-appointments with the School of Law and the School of Information Systems at Singapore Management University (SMU). Trained in Computer Science and in Law, he is Director of the SMU Centre for Computational Law (CCLAW) and Programme Director of the SMU BSc (Computing & Law) degree. He currently teaches the course "Digital Intelligence for Lawyers" at SMU to introduce law students to fundamental computing concepts and emerging technologies.

MODULE 4



Jerrold Soh

Jerrold Soh is an Assistant Professor of Law at SMU who focuses on both the legal implications and applications of AI. Relevant works include machine learning systems for classifying judgment topics, an analysis of tortious control doctrines for assigning automated vehicle liability, empirical analyses of the development of Singapore law, and a research collection on the state of legal innovation in the Asia-Pacific region. Jerrold programmed his first website, a notes sharing portal he still runs, in 2012. He graduated in 2018 from NUS with first class honours in both Law and Economics and recently completed an LLM at Harvard.

BIOGRAPHIES

MODULE 5



Tan Ken Hwee

As Chief Transformation and Innovation Officer (Judiciary) at the Supreme Court, Ken Hwee is in charge of the transformation, digitalisation, innovation and technology plans of the Judiciary. He is expected to improve existing systems, work with all relevant stakeholders to develop new ones, and to deploy cutting-edge technology to keep the Courts, and the legal profession, at the forefront of legal innovation. Ken Hwee has been heavily involved in technology initiatives in Singapore since the mid-1990s.

Before this deployment, Ken Hwee was the Chief Prosecutor of the (then) Financial and Technology Crime Division (FTCD) of the Attorney-General's Chambers. FTCD handled white-collar cases in Singapore, including cheating, criminal breach of trust, corruption, cybercrime, money-laundering and terrorism financing, and Securities and Futures Act and Companies Act offences. FTCD made use of AI-assisted evidence review technology. Ken Hwee was also personally involved in major initiatives including the introduction of deferred prosecution agreements and video recorded interviews.

MODULE 6



Warren Chik

Warren B. Chik is an Associate Professor of Law with the Singapore Management University School of Law and Deputy Director of the Centre for Artificial Intelligence and Data Governance. He holds a Bachelor of Laws degree from the National University of Singapore Law School and Master of Laws degrees from University College London and Tulane University. He is also called to the bar in Singapore, London and Wales, and New York. Warren researches and writes predominantly in the area of Infocomm Technology and the Law, in particular in the areas of Internet Intermediaries Law and Data Protection and Privacy Law.

MODULE 7



Chui Lijun

Chui Lijun specialises in commercial dispute resolution and regulatory investigations, with a sub-speciality in tech disputes. She also regularly advises on cybersecurity and data issues and on emerging technology such as smart contracts, distributed ledger technology and AI. Her relevant experience includes crisis handling data breaches, ranging from overseeing investigations to advising on potential follow-on civil liability and regulatory action. She frequently speaks at conferences on cyber and data security issues, including at the TechLaw.Conference organised by the Singapore Academy of Law and the Ministry of Law in 2019. Lijun is qualified to practise in Singapore and England and Wales.

MODULE 8



Yeo Tiong Min

Yeo Tiong Min is the Yong Pung How Chair Professor of Law at the Singapore Management University, where he was formerly the Dean of the Law School. Previously he had worked in the Law Faculty of the National University of Singapore and had been a Senior Research Fellow at the University of Oxford. His research focuses on private international law. He is the author of the Conflict of Laws volume of Halsbury's Laws of Singapore (2009, and 2020 Reissue), and has appeared as amicus curiae in the Singapore Court of Appeal in a number of complex international commercial cases.

BIOGRAPHIES

MODULE 9



**Aurelio
Gurrea-Martínez**

Aurelio Gurrea-Martínez is an Assistant Professor of Law at Singapore Management University where he leads the Singapore Global Restructuring Initiative as well as the research group on fintech at the Centre for AI and Data Governance. He has taught, studied or conducted research at several institutions, including Harvard Law School, Yale Law School, Columbia Law School, Stanford University, and the University of Oxford. His research interest lies in the intersection of law and finance, with particular emphasis on corporate governance, capital markets, financial regulation, and corporate insolvency law, and how legal and institutional reforms may promote entrepreneurship, innovation, access to finance and economic growth.



Nydia Remolina

Nydia Remolina is a Research Associate at the Singapore Management University's Centre for AI and Data Governance, focusing her research on fintech. She has been a legal advisor for innovation and digital transformation at Grupo Bancolombia and Senior Advisor to the OECD. After graduating from Stanford Law School, she worked at Sullivan & Cromwell LLP (New York Office) as a Foreign Attorney. She has taught or delivered lectures on fintech-related issues at several institutions in the United States, Asia, Europe, and Latin America, including Cambridge University, the International Monetary Fund, the International Organization of Securities Commissions, and the U.S. Securities and Exchange Commission.

For queries about the course, please contact:

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