

CTM

E-Newsletter



科技管理學院

College of Technology Management

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December



圖/蔡昌憲教授



圖/ Professor Soumya Ray

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科管院大小事

CTM Highlight



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2024 年科管院研究獎得主 - 科技法律研究所所長蔡昌憲教授



作者：科管院辦公室提供

科技法律研究所所長蔡昌憲教授榮獲科管院研究獎，為此我們特別請蔡教授，分享在研究與教學方面的心得與經驗。

1. 問：老師的研究主題為何？

蔡昌憲教授（下稱「答」）：我主要的研究領域為公司法、證券交易法（下稱「證交法」）、企業併購法（下稱「企併法」）、金融法規、及公司治理（含企業社會責任與企業永續）。我常搭配美國德拉瓦州公司法、美國聯邦證券法令、及歐美的金融法規進行比較法分析。在研究之理論上，時常以法律之經濟分析、法律移植、行為理論（包括行為經濟學、行為倫理學、行

為公共選擇理論）、及法域競爭等視角來分析問題。就近年之研究議題，則著重於公司之 ESG 治理以及新型態企業和金融工具的管制研究，包括企業之永續資訊揭露規範、金融科技（例如開放銀行管制、虛擬資產）、永續供應鏈之法律議題、新創事業法制等等。

除法規面的探討外，我會以經濟學、管理學或其他社會科學之理論和實證研究方法，對現狀面進行剖析。以公司法為例，目的是使學生不只學習到課本上之法律基礎知識，更能了解實務上影響公司治理及金融產業運作之因素為何？政府應如何同時推動公部門與私部門的合作，使得治理



企業與金融市場之手段可與時俱進。尤其依照我過去對研究生、研究助理之指導經驗，學生們不少在碩士畢業後即能順利地與社會與職場接軌，成功地在職場發揮學校所學的研究技巧與能力。

2. 老師如何引導帶領學生們學習？

答：根據我的經驗，一開始學生對公司法、證交法、金融法等領域可能不會有太多的先備知識。以商事法(一)、也就是公司法之教學為例，為了讓同學們學習法釋義學，我通常習慣上依大家的程度與學習狀況慢慢引導，帶領學生們一步一步地認識、閱讀法條文字；接著，為能使同學們學習到法律如何與市場實務結合之應用能力，我會搭配相關主題的最新新聞、實務案例，使學生們能較全面性地了解相關議題，而能逐漸勾勒出受規範產業、對象之完整輪廓，進而抓住法律規範中的重點與

規範精神。我上課當中也會不斷重複解釋相關內容，讓同學們在耳濡目染之下，愈來愈熟悉所要學習的概念。例如我曾於商事法(一)課堂上，有一陣子每週都會與沖沖地跟同學們更新泰山公司之經營權爭奪案的進度，因為這猶如追劇一般精彩；在這樣的上課過程中，也讓同學們不知不覺地學習到企併法、公司法上董事的法律義務、及違反義務時的司法審查標準等重要法律概念。

另以「企業暨金融法制專題研究」這門課為例，我希望培養同學們閱讀、理解學術文獻，進而學習到批判性思考之進階研究能力，有能力撰寫有理論視角之法學論文。換言之，除了課堂內容外，希望同學們能學習到研究方法的重要能力，這不僅對於往後學生們就讀國內外法學研究所、寫畢業論文時有其重要性，且對於同學們未來從事律師、會計師、金融業高階人才



等專業工作，可協助他們裝備好能整合跨領域的知識，從而提出整套解決方案的能力。例如在我的教學下，希望培養同學們如何在面對毫無頭緒之新興企業法制或金融管制的法律問題時，能具有問題意識、主動思考現有規範的可能問題所在。其次，希望培養同學們寫出思考框架清晰、邏輯通順的期末報告。我在課堂中會特別提及我個人研究、寫作的經驗和訣竅，來幫助同學們在研究能力上之成長。

3. 如果生活中有很多的事情，老師如何建議同學們分配與管理時間？如果學習時無法適應，老師會分享如何解決？

答：我於清大教學多年，深知大家平時課業繁忙，其實就已負擔不小的壓力。因此會經常提醒大家，對於期末報告、期末考，應該做早一點的規劃、每天規律地安排一

點時間（例如至少半小時）完成一些進度，才不致事到臨頭時得熬夜完成。最基本的訣竅就是秉持「積少成多、持之以恆」的精神，到面臨繳交報告期限、考試或提交畢業論文的前夕，才不會有太大的壓力。再者，對於法律入門學習比較慢、不易上手的同學，一開始可能會有學習上不適應的問題。我認為可向科法所的任課老師們求救，老師們都很樂意解答學生在法律上學習的問題。當然我也鼓勵同學們勇敢請教科法所或科管院裡學長姐的學習經驗，也是不錯的選擇，千萬不要獨自焦慮；常常在與同儕一番討論過後，可能會發現原來自己並非特例。在公司法、公司治理、金融法規之學習上，若能先花時間了解相關產業與市場上知識，之後再結合法律思惟的分析，即會發現商事法、金融法與公司法是一塊十分有趣、隨時跟著時代脈動的領域，且有利於同學們未來在政府、企業與市場之各種工作機會上強化自我的職涯發展。



2024 年科管院研究獎得主採訪 服科所雷松亞教授

Interview with the 2024 CTM Research Award Winner, Professor Soumya Ray, ISS

作者：科管院學士班 林翔恩



113 Outstanding Research Awards -Soumya Ra

Congratulations to Professor Soumya Ray on obtaining the 2024 Outstanding Research Award. With his technical background, professor Soumya is developing online research platforms to conduct behavioral research. He seeks to understand how consumers behave when interacting with online services and emerging technologies like generative artificial intelligence. We had the honor to interview professor Soumya, revealing his motive behind his research and what it takes to perform a remarkable research project.

Since 2010, Professor Soumya has been living in Taiwan after earning his degree in Operations and Information Management from the University of Wisconsin-Madison. Having lived in Taiwan for 14 years, we were curious about his decision to continue his career at NTHU. "I love the abundant resources available in the research environment, the generous funding, and the freedom to teach," he explained. From the onset, Professor Soumya was fond of the people and culture of Taiwan, and he has been teaching and doing research at NTHU ever since.

Regarding his research focus, Professor Soumya's undergraduate background in computer science played a pivotal role in shaping his career. He began coding as a child, but his interest gradually shifted toward understanding human behavior in response to the technologies that software engineers like himself create. He often gains his research ideas by observing how we use online technologies such as e-commerce platforms in our day-to-day lives, so that a broader audience can



reflect on and appreciate the discoveries. Nevertheless, his computer science background remains deeply ingrained in his approach. His research team consists mostly of students from Information Management programs and those with training in interactive design and data analytics, so that the whole team can move under a shared understanding of the technology and analytic methods used in the research.

What sets Professor Soumya's research apart is that his team not only studies how people use IT tools, but they also build those tools themselves. The platforms they create in-house grant the team more control over their study designs, and allows them to create new and interesting environments for users to interact and behave. For instance, their recent project involved a platform that integrates a generative AI agent. Users are assigned writing tasks to complete, and the AI agent provides help

and assistance throughout their journey. Since the team has full control over the platform, micro-behavioral actions such as copy-paste and even highlighting text can be measured and assessed. The team seamlessly incorporates their technical and statistical background into their research study, allowing them to gain a deeper insight into how users make decisions and why they behave in particular ways.

One of the challenges in the management of information technology is keeping pace with the ever-evolving technology landscape. Researchers have to constantly retool themselves as they surf the endless waves of innovation. While in certain fields, researchers would investigate concepts from 50 or even 500 years ago, technology management researchers have to continuously follow the latest statistical techniques and computing methods. Professor Ray shared his approach to staying ahead: "Media is a fruitful resource," he noted. Online discussion boards and forums are places where scientists and technologists debate at a very technical level. The content in those online meeting grounds are not absorbable by regular consumers but represent intricate problems scientists face. Through engaging in such communities, professor Soumya is able to introduce topics whose importance most people came to realize only years after the appearance of new technologies. There are times where technology exists at a very theoretical level, but not in the current era. Technology such as Generative AI has foster new fields to rise that just could not have existed 50, 30 or



even 10 years ago. As a result, today's researchers must learn how to ride the waves of technological advancement.

Looking ahead, Professor Soumya hopes his research will help design future tools while ensuring that the platforms his team creates can be passed down to future researchers. For instance, one of the statistical software packages that has emerged from his lab has been used by hundreds of schools around the world, and even formed a community of practice surrounding the technology. As his research continues to affect the community and create lifelong value, professor Soumya also shapes the future generation for the better through his teaching. Some advice Professor Ray suggests to management students is to develop their unique technical

strengths throughout their academic years, be it software development, data analytics, design, or other skills. The professional abilities one possesses is what shines and distinguishes you in the field of technology management, and inspires engineers and designers who work for you. Second, students should be conversant with statistical methods, because it helps us understand human decision making and other hard problems in industry and society. Last, but not least, strong domain knowledge keeps people on trend. Research students, or anyone for that matter, should be aware of the latest technologies and developments in specific fields of interest, such as travel or health, and even better to have some experience of using these. While these suggestions may seem daunting in the short term, setting them as a career goal and targeting topics one at a time allows students to understand what their primary weapon is. Their other strengths could serve as smaller knives on their belt, ultimately shaping their core identity as a researcher or practitioner.

Our interview ended by discussing how NTHU's College of Technology Management (CTM) has provided Professor Ray with the resources to pursue excellence in his research and the freedom to educate future talents in his own unique way. We are proud to recognize Professor Ray as one of our 2024 Outstanding Research Award recipients and look forward to witnessing his future achievements.

(Word Count: 853)

院內大小事

CTM Hightlight

作者：由院辦公室提供

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載物論壇 Zai Wu Forum

科管院在今年創立了全新「載物論壇」，邀請國際間具有卓越成就與影響力的學界人士，針對全球重要議題進行深入分享與討論。不僅讓我們有機會聆聽來自世界各地專家的見解，也為院內師生提供了一個拓展國際視野的平台。我們特別感謝校友與熱心人士的慷慨贊助，並對科法所蔡昌憲所長的精心策劃與安排表示衷心的感謝。正是因為有大家的支持，這場論壇才能夠順利舉行並圓滿成功。

12月10日，我們很榮幸邀請到美國史丹佛大學法學院暨商學院合聘教授 Michael Klausner，擔任本次論壇的主講嘉賓，分享他對「公司治理未來趨勢」的深刻見解。教授以美國知名企業家 Elon Musk 鉅額薪酬案例為出發點，深入分析當今公司治理中面臨的挑戰與未來可能的發展方向。教授的講解不僅富有學術深度，也貼近現實，讓與會者對公司治理的前景有了更加清晰的理解。

此外，論壇的主持人由台北政經學院黃朝熙院長擔任，也特別邀請了多位專家與學者擔任與談人，分享他們對公司治理的寶貴觀點與經驗。與談人包括前台大法律系教授、開南大學法學院王文宇院長、前中華治理協會理事長劉文正先生，以及玉山金控及玉山銀行董事長黃男州先生。各位與談人從不同的領域出發，提供了多元且深刻的分析，使論壇內容更加豐富。

我們期待未來能繼續舉辦更多具啟發性的論壇，讓師生們有更多機會與國際學界交流，拓展視野！



The College of Technology Management established the brand-new "Zai Wu Forum" this year, inviting internationally renowned academics with outstanding achievements and influence to share and discuss important global issues in depth. This forum not only provided us with the opportunity to hear insights from experts around the world but also created a platform for our faculty and students to broaden their international perspectives. We are especially grateful for the generous sponsorship of alumni and supportive individuals, and we extend our heartfelt thanks to Dean Tsai Chang-Hsien of the ILST for his meticulous planning and arrangements. It is thanks to the support of everyone that this forum was successfully held and concluded with great success.

On December 10th, we were honored to invite Professor Michael Klausner, a joint professor at Stanford Law School and the Graduate School of Business, to be the keynote speaker of this forum, where he shared his profound insights on the "Future Trends in Corporate Governance." Starting with the high-profile compensation case of the renowned American entrepreneur Elon Musk, Professor Klausner provided an in-depth analysis of the challenges facing



corporate governance today and possible future developments. His presentation was not only academically rigorous but also practical, offering attendees a clearer understanding of the prospects of corporate governance.

Additionally, the forum was hosted by Dean Huang Chao-Hsi of the Taipei School of Economics and Political Science, and several experts and scholars were invited to serve as panelists to share their valuable perspectives and experiences on corporate governance. The panelists included former National Taiwan University Law Professor and Dean of Kainan University Law School Wang Wen-Yu, former Chairman of the Chinese Governance Association Mr. Liu Wen-Zheng, and Chairman of E.SUN Financial Holding and E.SUN Bank Mr. Huang Nan-Zhou. The panelists offered diverse and profound analyses from their respective fields, enriching the content of the forum.

We look forward to hosting more inspiring forums in the future, providing more opportunities for faculty and students to engage with the international academic community and broaden their horizons!

年終餐會 Year End Party

衷心感謝每一位參與我們於 12 月 18 日舉辦的歲末感恩餐會的師長、同仁和校友！在這個特別的夜晚，我們共同度過了難忘的時光，一同道別 2024，迎接嶄新的一年。特別感謝來自泰雅學堂的三位校長，以及遠道從法國而來的博士班同學，帶來的優雅歌聲，為我們的聚會增添了無比的驚喜與溫暖。

2024 年對科管院來說，是一個具有深遠意義的年份。我們迎來了 EMBA 成立 25 周年，啟用了科管院影音基地，開設了 podcast 頻道，並設立了由校友贊助的載物講堂；同時，院內及各系所也成功舉辦了超過 40 場專業演講與學生活動。

這次也是林哲群院長在任內主持的最後一次歲末感恩餐會，林院長在會中指出，所有的成就都離不開每一位同仁的支持與辛勤奉獻。感謝大家在教學和行政工作中的付出，以及校友對科管院的幫助，因為大家的努力與奉獻，科管院才能不斷邁向更高的成就。





展望未來，我們將繼續攜手合作，創造更加充實、充滿活力的學習與成長環境。再次感謝所有參與歲末感恩餐會的師長、同仁與校友，正是有了你們的陪伴，這個夜晚才格外溫馨難忘。期盼在新的一年裡，我們能共同迎接更多美好與精彩的時光！
Go! Team CTM

Heartfelt thanks to all the faculty, colleagues, and alumni who participated in our year-end gratitude dinner held on December 18th!

For the College of Management, 2024 is a year of great significance. We celebrated the 25th anniversary of the EMBA program, launched the CTM Studio, started a podcast channel, and established the Alumni-Sponsored Lecture. In addition, our College and various departments successfully held over 40 professional lectures and student activities.

This event also marked the last year-end gratitude dinner hosted by Dean Lin during his tenure. In his speech, Dean Lin emphasized that all of our achievements are made possible by the support and hard work of every colleague. He thanked everyone for their contributions to teaching and administrative work, as well as the alumni for their support of the College. It is thanks to everyone's efforts and dedication that we continue to achieve greater success.

Looking ahead, we will continue to work together to create a more fulfilling and dynamic learning and growth environment. Once again, thank you to all the faculty, colleagues, and alumni who joined our year-end dinner. It was your presence that made this night so warm and memorable. We look forward to welcoming more beautiful and exciting moments together in the new year! Go! Team CTM

孫運璿科技講座 Sun Yun-Huan Lecture

12月23日清華大學科技管理學院孫運璿科技講座迎來了本年度的最後一場演講，特別邀請和碩聯合科技股份有限公司童子賢董事長擔任講者。此次講座的主題為「台灣產業發展與國際局勢」，童董事長針對台灣在當前全球經濟及政治環境中的定位，分享了深刻的見解與未來發展的方向。

在演講中，童董事長深入剖析了反全球化趨勢、貿易關稅障礙等議題，並指出台灣如何在這樣的國際環境中發揮獨特的競爭優勢。他強調，台灣的高科技產業，特別是在半導體和電子產品領域，擁有得天獨厚的技術與創新能力，這將成為未來發展的關鍵。他提到，台灣應抓住機會，進一步加強與世界其他地區的合作，並在全球供應鏈中維持核心地位。

能源議題也是本次講座的重點之一，童董事長特別分享了他對能源轉型的看法。他指出，全球正處於能源結構的重大變革中，台灣應積極推動能源發展及重啟核能



的可能性，以應對能源危機和減少碳足跡。他強調，能源的可持續發展將是台灣未來經濟發展的一個關鍵因素，並強調政策與技術創新的緊密結合對於轉型的成功至關重要。

這場講座吸引了來自各界的聽眾參與，無論是企業領袖、學術界專家，還是產業從業人員，都對童董事長的見解表示高度認同。講座不僅加深了大家對台灣產業未來發展趨勢的了解，也使與會者對台灣在全球舞台上的角色和未來充滿了信心。

此次活動的圓滿落幕，為2024年孫運璿科技講座畫下了完美句點，並期待在未來帶來更多啟發與深刻思考的演講。



貴賓合照留影 (左: 奇鼎科技鄭智文董事長、在職專班林世昌執行長、科管院祁玉蘭副院長、工學院賴志煌教授、清華大學李敏校資長、科管院林哲群院長、清華大學賀陳弘前校長、童子賢董事長、蔡進步榮譽教授、范建得教授、政經學院黃朝熙院長、王俊程教授、謝英哲教授)

Interview with the 2024 CTM Research Award Winner, Professor Chang-Hsien Tsai, ILST



作者：科管院辦公室提供

2024 College of Management Research Award Recipient - Professor Chang-Hsien Tsai, Director of the Institute of Law for Science and Technology

Professor Chang-Hsien Tsai, Director of the Institute of Law for Science and Technology, has been awarded the College of Technology Management Research Award. We invited Professor Tsai to share his insights and experiences in research and teaching.

1.Question: What is the focus of your research?

Professor Tsai (Answer): My primary research fields are corporate law, securities regulation (Securities Exchange Act), mergers and acquisitions law (M&A law), financial regulations, and corporate governance (including corporate social responsibility and sustainability). I often conduct comparative legal analysis using the laws of Delaware, U.S. federal securities regulations, and European and American financial regulations. The theoretical aspects of my research include economic analysis of law, legal transplanted, behavioral theories (including behavioral economics, behavioral ethics, and public choice



theory), and legal domain competition. Recent research topics focus on ESG governance in corporations and the regulation of new business models and financial instruments, including sustainability reporting standards, fintech (such as open banking regulations and virtual assets), legal issues in sustainable supply chains, and legal frameworks for startups.

In addition to exploring legal regulations, I also analyze current issues using theories and empirical research methods from economics, management, and other social sciences. For example, in teaching corporate law, the goal is to help students not only learn the foundational legal knowledge from textbooks but also understand the practical factors influencing corporate governance and the financial industry's operation. I aim to show how government can promote cooperation between the public and private sectors, ensuring that methods of governing corporations and financial markets evolve with the times. Based on my past experience guiding graduate students and research assistants, many of my students successfully transition to the workforce after graduation, applying the research skills and abilities they learned at the university.

2. How do you guide and lead students in their learning?

Answer: Based on my experience, students may not have much prior knowledge in fields like corporate law, securities law, or financial law at the beginning. Taking the course "Business Law I" (corporate law) as an example, to help students learn legal interpretation, I usually guide them step-by-step according to their level and learning progress. I start by helping them recognize and read legal texts. To allow students to learn how to apply law in the market, I incorporate the latest news and practical cases related to the topics. This approach helps students gradually understand the full picture of the industries and subjects regulated by the law, enabling them to grasp the key points and the spirit of legal norms. In class, I frequently repeat important content to help students become more familiar with the concepts. For example, in the "Business Law I" class, I would often update the class on the latest developments in the Tai Shan Company's management rights dispute, as it was as exciting as following a drama. This process inadvertently helped students learn important legal concepts in M&A law, corporate law on directors' legal duties, and judicial review standards for violations of these duties.

In the course "Special Topics in Corporate and Financial Law," I aim to develop students' ability to read and understand academic literature, which enhances their critical thinking skills and prepares them for writing legal papers from a theoretical perspective. In other words, beyond the course content, I want students to



develop important research skills that will be beneficial not only for further graduate studies and thesis writing but also for their future professional careers in law, accounting, finance, and other fields. For instance, in my teaching, I hope to cultivate the ability to identify issues and actively think critically about the possible problems with existing regulations when faced with new legal issues in emerging business law or financial regulation. Furthermore, I emphasize the importance of clear, logically structured reports and final papers, and I share my personal research and writing experience to assist students in growing their research capabilities.

3. With so many things to manage in life, how do you suggest students allocate and manage their time? And if they find it hard to adapt to the learning process,

how do you help them solve it?

Answer: Having taught at National Tsing Hua University for many years, I understand that students often face a heavy academic workload, which can be quite stressful. Therefore, I frequently remind students to plan ahead for their final reports and exams, setting aside time each day (at least half an hour) to make steady progress, so they don't end up cramming at the last minute. The basic principle is to follow the approach of "small but steady progress," so when the report deadline, exam, or thesis submission approaches, the pressure won't be overwhelming. Additionally, for students who are slower to pick up the basics of law or find it difficult to adapt to learning, I suggest they reach out to their course instructors, who are always willing to help with legal learning issues. I also encourage students to seek advice from senior students in the Institute of Technology Law or the College of Technology Management, as they can provide valuable learning experiences. It's important not to worry alone—often, after discussing with peers, students realize they are not the only ones facing these challenges. When learning corporate law, corporate governance, or financial regulations, it can be helpful to first spend some time understanding the relevant industries and markets. Then, by applying legal thinking, students will find that business law, financial law, and corporate law are fascinating fields that evolve with the times and provide valuable career opportunities in government, business, and the market.

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