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## Short presentation

Hin-Yan lives and breathes his research: scribbling ferociously in his black moleskine notebook while holed up in his office; losing himself in manic whiteboarding sessions with others; and confusing most people he talks to with dynamic jumps in narrative, logic and topic. You will find sketches of current research projects, and research-integrated educational activities, below, and should these spark interest, do feel free to get in touch!

### Research

Hin-Yan's research interests are eclectic (some would suggest chaotic), rapidly-developing and often hit dead-ends or lay dormant for long periods. At present, these interests lie in four broad trajectories: at the frontiers of emerging technology governance with a focus on artificial intelligence and legal disruption; in developing regulatory and policy tools to mitigate existential and global catastrophic risks; the ramifications of influence, manipulation, and cognitive liberty; and the societal implications of quantum AI.

#### *Artificial Intelligence and Legal Disruption*

While nominally focusing upon the myriad of legal, regulatory and governance challenges posed by artificial intelligence, his real research agenda is to deploy such new and emerging technologies as a mirror upon the contemporary regulatory order. Thus, his research in this area attempts to leverage the defamiliarising vantage point offered by AI as a benchmark to critically evaluate hitherto unseen regulatory configurations in which we have been embedded.

As a way of organising the broad array of issues at the nexus between law, regulation and governance on the one hand, and artificial intelligence on the other, Hin-Yan is developing the concept of 'Legal Disruption' (with a group concept paper in Law, Innovation and Technology, and in Futures). Within this framework, artificial intelligence applications only become problematic to the extent where these cause the law 'run out', reveal latent inconsistencies and unfounded presumptions, or otherwise disrupt societal function. He is also the coordinator of the Artificial Intelligence and Legal Disruption Research Group (AI-LeD) at the Faculty which aims in part to further develop this conceptual framework.

#### *Existential and Global Catastrophic Risks*

Hin-Yan's research interest in existential and global catastrophic risks stems not so much from spectacular hazards capable of triggering human extinction, such as AI and other technogenic risks, but rather revolve around the myriad of ways in which civilizational decline can be intertwined with sub-optimal governance or can be path-dependent upon poor regulatory constellations that are being put in place presently.

Concretely, his scepticism towards one-hit knock-out existential threats culminated in a joint-piece, 'Governing Boring Apocalypses', which hopes to broaden the study of existential risks. With the advent of Covid-19, the same team has reconvened to tease out lessons from the pandemic for the governance of existential and global catastrophic risks more generally in another article.

#### *Influence, Manipulation, and Cognitive Liberty*

Hin-Yan is becoming increasingly alarmed about advancing capabilities to influence minds and manipulate behaviour. In the context of law, regulation, and governance, he has sketched out some of these ideas in 'Rule Following Robots', but his concern goes a lot broader and deeper than this...

#### *Quantum AI*

As part of a larger consortium project, Q-Shift: Decision-Making in the Age of Quantum AI, Hin-Yan will be exploring the potential problem-space raised by coupling AI with quantum computing. This project launches in November 2022, and more will be available at: <https://www.quantumstateofworld.com/>

### Educational Activities

Hin-Yan avowedly does not teach.

Instead, his approach to education is to mentor his students to develop their own ways of interrogating the world, and to seek the questions that they are genuinely engaged with. This involves equipping students with tacit abilities, such as: a nose for sniffing out the most relevant problem, or aspect of a problem; matching a problem appropriately with the student's skill set, interest, and motivation; and instilling a robust sense of self-critique. Education should not be about the accumulation of data, information, or necessarily knowledge (from the DIKW hierarchy); if this is true, then we need to try other methods and means and targeted these towards other objectives. Hin-Yan's courses (past, present, and proposed) are part of a iterative processes to test this approach. At present, Hin-Yan is tinkering with techniques and approaches from improv.

Hin-Yan convenes a popular elective Master's course 'Artificial Intelligence and Legal Disruption'. Instead of teaching classes, he leads wide-ranging critical discussions that are anchored in pre-assigned papers with the aim of pushing thinking forward in a deeply research-integrated manner. Complex and hectic scrawls are known to sprawl themselves across the whiteboard as each session progresses, and each seminar ends with more problems than they start with. Student evaluations have consistently raised the uniqueness of this class, and have said for example that 'His passion for the subject (artificial intelligence and legal disruption) and brilliance is obvious, and transmits to the entire class'.

Resonating the research-integrated approach of this class, a collection of final papers has been published by Retskraft in a Special Issue on Artificial Intelligence and Legal Disruption (Volume 5, Issue 1).

From Autumn 2021, Hin-Yan will also be running Policy and Governance for Global Catastrophic and Existential Risks for the Security Risk Management Programme at the Political Science Department as an outlet for his research trajectory on the topic. This will be one of the extremely few courses on Existential Risks available worldwide, but the hope is to build momentum behind educational activities in this area. He will also be co-convening a new course on Human Rights, Democracy and Digital Technology that hopes to educate students specifically on the human rights and democratic challenges and opportunities presented by digital technologies (and hopefully it will do what it says on the tin).

He also runs a range of eclectic PhD Courses, including: 'Innovation and Disruption in Legal Research', 'Models of Legal Disruption', and 'Ignorance, Agnotology, and Uncertainty: Drivers for Doctoral Research'. The underlying purpose behind these courses is to directly engage PhD candidates with the challenge of problem-finding (as opposed to the traditional problem-solving), to immerse them within deeper questions of what the legal and regulatory order should be doing, and how uncertainty might change the very cores of their theses.

He has been nominated as one of only two teachers by the University of Copenhagen for the Ministry of Higher Education and Science's Teaching Prize in 2020 and 2021, and has been nominated for the Harald Teaching Prize every year that he has taught in Copenhagen. He has finally been awarded the Harald in 2021, and will be the proud owner of the porcelain owl that comes with it. He operates a digital-device free policy for all of his educational activities to preserve and promote participation, dialogue and focus.

Hin-Yan helped to kick-start Æther, an intellectual playgroup with various activities including a Journal and a regular Salon, to facilitate longer-term engagement and to build a community around these ideas and this work.

### **Research Supervision**

Hin-Yan is always happy to supervise strong Master's dissertation projects in any area that connects with what he's working on, or which piques his interest as promising research projects or trajectories. Similarly, Hin-Yan is always on the look-out for outstanding PhD candidates pursuing brilliant theses, like Matthijs Maas and Sue Anne Teo. Just be ready that, projects tend to take unorthodox and counter-intuitive turns under his watch.

### **Background**

Dr Hin-Yan Liu joined the Faculty of Law as an Associate Professor in 2015. Before coming to Copenhagen, he was first a Max Weber Fellow and subsequently a Research Fellow at the European University Institute in Florence, while concurrently holding a permanent appointment at New York University (NYU) in Florence. He had previously held academic positions at King's College London and the University of Westminster, and has visited the Max Planck Institute for Foreign and International Criminal Law in Freiburg on a Max Planck Society Scholarship.

His doctoral work at King's College London was supported by grants from the Social Sciences and Humanities Research Council of Canada, King's College London and the Government of Alberta. Controversially arguing that ordinary legal processes were at the source of the impunity enjoyed by the modern private military company, his thesis was passed without amendments and has been adapted into a monography published by Hart in September 2015. He was awarded his LL.M. in Human Rights Law by University College London (UCL) with distinction, and also he holds separate degrees in both law and in psychology.

Hin-Yan is an avid climber, alpinist, and mountaineer and was formerly a climbing instructor with the Association of Canadian Mountain Guides, and a volunteer alpine leader for the Alpine Club of Canada. Finding himself living and working in a country without gradient has meant coming to terms with the fact that regular adventures are no longer possible. Surviving on memories of solo treks through Tibet, the Rockies, the Alps, and beyond, and on his follies and adventures on rock and ice, he now finds solace and freedom in building and riding his fixies (reliving of his time darting between the traffic and racing and playing cycle-courier in London's urban jungle).

Taking advantage of the wind and the waves in Copenhagen, Hin-Yan can also now be found tethered to the lines of his kite. Under the waves, Hin-Yan is a certified Rescue Diver, with a growing obsession for wreck diving. Taking to the skies, he is a paragliding Club Pilot, but does not yet have the patience for the copious amounts of parawaiting that is involved. Hin-Yan is now trying his hand at improv, which is reminiscent of his 'teaching' style.

On paper, Hin-Yan is 'from' Canada and Hong Kong SAR, but he's also survived English Public School and savoured years of la bella vita in the Tuscan countryside, as well as tramping nomadically over countless roadtrips through the Iberian peninsula, western Canada/US, and Morocco (among others).

## **Qualifications**

PhD, King's College London

Award Date: 1 Nov 2012

LLM (Distinction), University College London

Award Date: 1 Nov 2008

LLB (Hons.), City, University of London

Award Date: 26 Jun 2007

BA (Psychology), University of Alberta

Award Date: 10 Jun 2005

Associate Fellow of the Higher Education Academy

Graduate Certificate in Academic Practice

## Publications

### **What makes AI regulation so difficult?**

Liu, Hin-Yan, Jan 2024, Brussels: European Liberal Forum. 23 p.

### **Er AI-udviklere blevet massemanipulatorer uden at vide det?**

Liu, Hin-Yan & Larsen, E. T., 22 Mar 2022, In: DataTech.

### **Influence, Immersion, Intensity, Integration, Interaction: Five Frames for the Future of AI Law and Policy**

Liu, Hin-Yan & Sobocki, V., 2022, *Law and Artificial Intelligence: Regulating AI and Applying AI in Legal Practice*. Custers, B. & Villaronga, E. F. (eds.). TMC Asser Press, p. 541-560 27. ( Information Technology and Law Series , Vol. 35).

### **Rule-following robots? Transitional legal disruption through regulatee design and engineering**

Liu, Hin-Yan, 2022, In: *Law, Innovation and Technology*. 14, 1, p. 41-70 29 p.

### **AI Challenges and the Inadequacy of Human Rights Protections**

Liu, Hin-Yan, Mar 2021, In: *Criminal Justice Ethics*. 40, 1, p. 2-22 21 p.

### **Window Peeping at Dystopia: Fukushima as a case for Existential Risk(s)?**

Lauta, Kristian Cedervall, Liu, Hin-Yan, Avin , S. & Weitzdörfer, J., 2021, *The Fukushima Disaster: Five Years On*. Weitzdörfer, J. & Lauta, K. (eds.). Cambridge University Press

### **'Solving for X?' Towards a problem-finding framework that grounds long-term governance strategies for artificial intelligence**

Liu, Hin-Yan & Maas, M. M., 2021, In: *Futures The journal of policy, planning and futures studies*. 126, 22 p., 102672.

### **Artificial Intelligence Affordances: Deep-fakes as Exemplars of AI Challenges to Criminal Justice Systems**

Liu, Hin-Yan & Mazibrada, Andrew, Aug 2020, In: UNICRI Special Collection on Artificial Intelligence. p. 59-70

### **Apocalypse Now? Initial Lessons from the COVID-19 pandemic for the Governance of Existential and Global Catastrophic Risks**

Liu, Hin-Yan, Lauta, Kristian Cedervall & Maas, M. M., 2020, In: *Journal of International Humanitarian Legal Studies*. 11, 2 , p. 295-310 16 p.

### **Artificial Intelligence and Legal Disruption: A New Model for Analysis**

Liu, Hin-Yan, Maas, M. M., Danaher, J., Scarcella, L., Lexer, M. & Van Rompaey, Léonard, 2020, In: *Law, Innovation and Technology*. 12, 2, p. 205-258 54 p.

### **From the Autonomy Framework towards Networks and Systems Approaches for 'Autonomous' Weapons Systems**

Liu, Hin-Yan, 1 Jun 2019, In: *Journal of International Humanitarian Legal Studies*. 10, 1, p. 89-110 22 p.

### **The Digital Disruption of Human Rights Foundations**

Liu, Hin-Yan, 1 Jun 2019, *Human Rights, Digital Society and the Law: A Research Companion* . Susi, M. (ed.). Routledge, p. 75-86 12 p. (Routledge Research in Human Rights Law).

### **Beyond Killer Robots: Networked Artificial Intelligence Disrupting the Battlefield?**

Liu, Hin-Yan (ed.), Van Rompaey, Léonard (ed.) & Maas, M. M. (ed.), 2019, In: *Journal of International Humanitarian Legal Studies*. 10, 1, p. 77-88 12 p.

### **The Involvement of Private Military Companies in Multinational Military Operations**

Liu, Hin-Yan, 2019, *The 'Legal Pluriverse' Surrounding Multinational Military Operations*. Geiss, R. & Krieger, H. (eds.). Oxford University Press, p. 406-423 18 p.

### **Three Types of Structural Discrimination Introduced by Autonomous Vehicles**

Liu, Hin-Yan, May 2018, In: UC Davis Law Review Online. 51, MAY 2018, p. 149-180 32 p.

### **Challenging the Strength of the Anti-Mercenary Norm**

Liu, Hin-Yan & Kinsey, C., 2018, In: Journal of Global Security Studies. 3, 1, p. 93-110 18 p.

### **Governing Boring Apocalypses: A New Typology of Existential Vulnerabilities and Exposures for Existential Risk Research**

Liu, Hin-Yan, Lauta, Kristian Cedervall & Maas, M. M., 2018, In: Futures The journal of policy, planning and futures studies. 102, september, p. 6-19 14 p.

### **The Power Structure of Artificial Intelligence**

Liu, Hin-Yan, 2018, In: Law, Innovation and Technology. 10, 2, p. 197-229 33 p.

### **Working With and Alongside Robots: Forms and Modes of Co-Working**

Seibt, J., Borggreen, G., Fischer, K., Hasse, C., Liu, Hin-Yan & Nørskov, M., 2018, *Envisioning Robots in Society – Power, Politics, and Public Space*. Coeckelbergh, M., Loh, J., Funk, M., Seibt, J. & Nørskov, M. (eds.). Amsterdam: IOS Press, p. 125-132 8 p. (Frontiers in Artificial Intelligence and Applications, Vol. 311).

### **From responsible robotics towards a human rights regime oriented to the challenges of robotics and artificial intelligence**

Liu, Hin-Yan & Zawieska, K., 29 Nov 2017, In: Ethics and Information Technology. 22, 4, p. 321 - 333 13 p.

### **A New Human Rights Regime to Address Robotics and Artificial Intelligence**

Liu, Hin-Yan & Zawieska, K., Feb 2017, In: Jusletter IT. November, 10 p.

### **New Human Rights Regime to address Robotics and Artificial Intelligence**

Liu, Hin-Yan & Zawieska, K., Feb 2017, *Trends und Communities der Rechtsinformatik. Tagungsband des 20. Internationalen Rechtsinformatik Symposiums (IRIS) 2017 Proceedings of the 20th International Legal Informatics symposium*. Schweighofer, E., Hötendorfer, W. & Sorge, C. (eds.). Salzburg: Oerterreichische Computer Gesellschaft, p. 179-184 6 p.

### **Irresponsibilities, inequalities and injustice for autonomous vehicles**

Liu, Hin-Yan, 2017, In: Ethics and Information Technology. 19, 3, p. 193-207 15 p.

### **Structural Discrimination and Autonomous Vehicles: Immunity Devices, Trump Cards and Crash Optimisation**

Liu, Hin-Yan, Oct 2016, *What Social Robots Can and Should Do*. Amsterdam: IOS Press, p. 164-173 10 p.

### **Contract Law as Cover: Curtailing the Scope of Private Military and Security Contractor Responsibilities**

Liu, Hin-Yan, Jul 2016, *The Routledge Research Companion to Outsourcing Security*. Berndtsson, J. & Kinsey, C. (eds.). New York: Routledge, p. 130-147 17 p. (Routledge Handbooks).

### **Refining Responsibility: Differentiating Two Types of Responsibility Issues Raised by Autonomous Weapons Systems**

Liu, Hin-Yan, 2016, *Autonomous Weapons Systems: Law, Ethics, Policy*. Bhuta, N., Beck, S., Geiss, R., Liu, H-Y. & Kress, C. (eds.). Cambridge: Cambridge University Press, p. 325-344 19 p.

### **Defense and Military Policy: Autonomous Weapons Systems**

Liu, Hin-Yan, Nov 2015, *Encyclopedia of Public Administration and Public Policy*. Bearfield, D. A. & Dubnick, M. J. (eds.). 3. ed. New York: Taylor & Francis, p. 833-838 6 p.

### **Law's Impunity: Responsibility and the Modern Private Military Company**

Liu, Hin-Yan, Sep 2015, Oxford: Hart Publishing. 400 p.

### **Review of Peace And Justice At The International Criminal Court: A Court of Last Resort by Errol P. Mendes (Edward Elgar Publishing 2010)**

Liu, Hin-Yan, 2013, In: Asian Journal of Criminology. 8, 3, p. 227-230

**Targeted Killing, Unmanned Aerial Vehicles and EU Policy**  
Liu, Hin-Yan & Bhuta, N., 2013, European University Institute.

**Categorization and Legality of Autonomous and Remote Weapons Systems**  
Liu, Hin-Yan, Jun 2012, In: International Review of the Red Cross. 96, 886, p. 627-652

**Restricting the Public Display of Religious Symbols by the State on the Grounds of Hate Speech?**  
Liu, Hin-Yan, 2012, *The Lautsi Papers: Multidisciplinary Reflections on Religious Symbols in the Public School Classroom*. Temperman, J. (ed.). Martinus Nijhoff, p. 383-412

**Review of State Control over Private Military and Security Companies in Armed Conflict by Hannah Tonkin (CUP 2011)**  
Liu, Hin-Yan, 2012, In: Journal of Conflict and Security Law. 17, 1, p. 178-182

**Teaching without Authority**  
Liu, Hin-Yan, 2012, In: The Law Teacher. 46, 2, p. 146-164

**Mercenaries in Libya: Ramifications of the Treatment of 'Armed Mercenary Personnel' under the Arms Embargo for Private Military Company Contractors**  
Liu, Hin-Yan, 2011, In: Journal of Conflict and Security Law. 16, 2, p. 293-319

**Review of War by Contract: Human Rights, Humanitarian Law and Private Contractors edited by Francesco Francioni and Natalino Ronzitti (OUP 2011)**  
Liu, Hin-Yan, 2011, In: King's Law Journal. 22, 3, p. 431-435

**The Meaning of Religious Symbols after the Grand Chamber Judgment in Lautsi v. Italy**  
Liu, Hin-Yan, 2011, In: Religion and Human Rights. 6, 3, p. 253-257

**Constitutional Entrenchment: Questions of Legal Possibility and Moral Desirability in the United Kingdom**  
Liu, Hin-Yan, 2010, In: City University of Hong Kong Law Review. 2, 1, p. 193-201

**Leashing the Corporate Dogs of War: The Legal Implications of the Modern Private Military Company**  
Liu, Hin-Yan, 2010, In: Journal of Conflict and Security Law. 15, 1, p. 141-168

**Pornography as Protected Speech? The Margins of Constitutional Protection**  
Liu, Hin-Yan, 2009, In: UCL Human Rights Review. 2, p. 223-239

**The Constitutional Right to Express Hatred: A Comparative Analysis**  
Liu, Hin-Yan, 2009, In: King's Student Law Review. 1, 1, p. 5-21

## Activities

**Artificial Intelligence in Warfare. Beyond Killer Robots - Networked Artificial Intelligence Disrupting the Battlefield.**  
Van Rompaey, Léonard (Organizer), Liu, Hin-Yan (Organizer) & Maas, M. (Organizer)  
15 Nov 2018 → 16 Nov 2018

**Cambridge University Press (Journal)**  
Liu, Hin-Yan (Review editor)  
2015 → ...

**Transatlantic Dialogue on Surveillance Methods**  
Liu, Hin-Yan (Participant)

18 Dec 2014 → 19 Dec 2014

**Autonomous Weapons Systems – Law, Ethics, Policy**

Liu, Hin-Yan (Organizer)

24 Apr 2014 → 25 Apr 2014

**We Robot 2014**

Liu, Hin-Yan (Participant)

4 Apr 2014 → 5 Apr 2014

**Autonomous Military Technologies**

Liu, Hin-Yan (Participant)

24 Feb 2014 → 25 Feb 2014

**Journal of International Humanitarian Legal Studies (Journal)**

Liu, Hin-Yan (Member of Editorial Board)

2014 → ...

**Kiobel, Universal Civil Jurisdiction and the Liability of Corporations in International Law**

Liu, Hin-Yan (Participant)

31 May 2013

**SURVEILLE (Surveillance: Ethical Issues, Legal Limitations, and Efficiency)**

Liu, Hin-Yan (Participant)

9 Mar 2013 → 10 Mar 2013

**Law and Policy for Autonomous Weapons Systems**

Liu, Hin-Yan (Organizer)

6 Mar 2013

**United Nations Expert Meeting**

Liu, Hin-Yan (Speaker)

23 Feb 2013

**Targeted Killing, Unmanned Aerial Vehicles and EU Policy**

Liu, Hin-Yan (Participant)

22 Feb 2013

**The Boundaries of the Battlefield**

Liu, Hin-Yan (Participant)

10 Jan 2013 → 11 Jan 2013

**The Anatomy of EU Foreign Policy**

Liu, Hin-Yan (Participant)

10 Oct 2012 → 12 Oct 2012

**International Law Research (Journal)**

Liu, Hin-Yan (Member of Editorial Board)

2012 → ...

**Journal of International Humanitarian Legal Studies (Journal)**

Liu, Hin-Yan (Review editor)

2012 → 2015

**Beyond Blackwater**

Liu, Hin-Yan (Organizer)  
17 Nov 2011 → 18 Nov 2011

**The Law, the Universe and Everything**

Liu, Hin-Yan (Speaker)  
16 Nov 2011

**Arts and Humanities Research Council (AHRC) and BBC Radio 3 New Generation Thinkers Broadcast Media Workshop**

Liu, Hin-Yan (Participant)  
8 Jul 2011

**Canadian Journal of Human Rights (Journal)**

Liu, Hin-Yan (Member of Editorial Board)  
2011 → ...

**University of Westminster Law Staff Research Seminar**

Liu, Hin-Yan (Speaker)  
1 Dec 2010

**British Society of Criminology Annual Conference**

Liu, Hin-Yan (Speaker)  
12 Jul 2010 → 14 Jul 2010

**Fourth Annual International Graduate Legal Research Conference**

Liu, Hin-Yan (Speaker)  
15 Apr 2010 → 16 Apr 2010

**SOAS and LSE Third Annual International Law Colloquium**

Liu, Hin-Yan (Speaker)  
16 Jan 2010 → 17 Jan 2010

**Third Annual International Graduate Legal Research Conference**

Liu, Hin-Yan (Speaker)  
2 Jul 2009 → 3 Jul 2009

**King's Student Law Review (Journal)**

Liu, Hin-Yan (Editor)  
2009 → 2012

**UCL Human Rights Review (Journal)**

Liu, Hin-Yan (Member of Editorial Board)  
2007 → 2008