

# Yi Ting Chua

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## Education

- 2019**      **PhD (Criminal Justice), School of Criminal Justice, Michigan State University**  
*Dissertation: "Understanding Radicalization Process in Online Far-Right Extremist Forums Using Social Influence Model"*  
*Committee Members: Dr. T. Holt, Dr. C. DeJong, Dr. S. Chermak, Dr. K. Frank*
- 2012**      **MS (Criminal Justice), School of Criminal Justice, Michigan State University**  
*Thesis: "The Role of Gender and Risk Perception among Police Officers: General Lifestyle Risks and Occupation-Specific Risks"*.  
*Committee Members: Dr. L. Rivers III, Dr. C. DeJong, Dr. M. Morash*
- 2010**      **BA (Criminal Justice) with High Honor, School of Criminal Justice, Michigan State University**  
*Additional Major: Psychology*

## Employment

- 2021 – Now**    **Assistant Professor**, University of Alabama, Department of Criminology and Criminal Justice
- Conducting interdisciplinary cybercrime and cybersecurity research
  - Disseminating research through presentations and posters at conferences in various fields (e.g., Computer Science, Criminology, Information Security)
  - Designing and organizing lecture slides, reading materials, and course assignments for the course
  - Mentoring graduate students
  - Chairing student organizations
- 2019 – 2021**    **Research Associate**, Cambridge Cybercrime Centre, Department of Computer Science and Technology, University of Cambridge
- Improving accessibility and usability of the sharing process for large datasets
  - Conducting interdisciplinary cybercrime research focusing on the role of online communities in online criminal and deviant behaviors
  - Disseminating research through presentations and posters at conferences in various fields (e.g. Computer Science, Criminology, Information Security)

## Employment

- 2018**      **Research Assistant**, School of Criminal Justice, Michigan State University
- Conducting a comprehensive literature review on online illicit markets for a grant from the Department of Homeland Security
- 2011 – 2017**      **Graduate Research Assistant**, School of Criminal Justice, Michigan State University
- Coding and entering data from online forums into Microsoft Excel and Access
  - Generating data files from online forums for social network analysis
  - Generating sociograms and conduct social network analysis using Microsoft Access and Pajek
  - Training and supervising undergraduate students on data entry for social network analysis

## Teaching

- 2017 – 2018**      **Instructor**, School of Criminal Justice, Michigan State University  
Research Methods, Online Course
- Designing and organizing lecture slides, reading materials, and course assignments for the course
  - Facilitating online discussions among students
  - Developing, organizing and implementing the course through Desire2Learn
  - Advising students on future career paths
- 2018**      **Guest Lecturer**, Michigan State University  
Intro to Methods for Women's & Gender Studies Research  
Topic: Gender, Crime, and Justice
- 2016**      **Guest Lecturer**, Michigan State University  
Cyber-Crime and Cyber-Security  
Topic: Cybercrime Theory, Malware and Its Impact

## Publications

### Refereed Journal Articles

- Under Review**      Parkin, Simon & **Chua, Yi Ting**. "A Cyber-risk Framework and Guidelines for Coordination of the Prevention and Preservation of Behaviours." *Journal of Computer Security*
- 2021**      Collier, Ben, Thomas, Daniel R., Clayton, Richard, Hutchings, Alice, & **Chua, Yi Ting**. (2021). Influence, Infrastructure, and Recentering Cybercrime Policing: Evaluating Emerging Approaches to Online Law Enforcement through a Market for Cybercrime Services. *Policing and Society*, 1-22.

## Publications

**2016**      **Chua, Yi Ting** & Holt, Thomas J. "A Cross-National Examination of the Techniques of Neutralization to Account for Hacking Behavior". *Victims & Offenders* 11(4), 534-555.

Holt, Thomas J., Smirnova, Olga, & **Chua, Yi Ting**. "Exploring and Estimating the Revenues and Profits of Participants in Stolen Data Markets". *Deviant Behavior* 37(4), 353-367.

**2015**      Holt, Thomas J., Smirnova, Olga, **Chua, Yi Ting**, & Copes, Heith. "Examining the Risk Reduction Strategies of Actors in Online Criminal Markets". *Global Crime*, 16(2), 81-103.

## Conference Publications

**2020**      Parkin, Simon & **Chua, Yi Ting**. "Refining the Blunt Instruments of Cybersecurity: A Framework to Coordinate Prevention and Preservation of Behaviours." 10<sup>th</sup> Workshop on Socio-Technical Aspects in Security 2020.

Vu, Anh Viet, Hughes, Jack, Pete, Ildiko, Collier, Ben, **Chua, Yi Ting**, Shumailov, Ilia, & Hutchings, Alice. "Turning Up the Dial: The Evolution of a Cybercrime Market Through Set-up, Stable, and COVID-19 Eras." ACM Internet Measurement Conference (IMC) 2020.

Pete, Ildiko, Hughes, Jack, Bada, Maria, & **Chua, Yi Ting**. "A Social Network Analysis and Comparison of Six Dark Web Forums." WACCO 2020.

**2019**      **Chua, Yi Ting**, Parkin, Simon, Edwards, Matthew, Oliveira, Daniel, Schiffner, Stefan, Tyson, Gareth, & Hutchings, Alice. "Identifying Unintended Harms of Cybersecurity Measures." APGW eCrime Symposium 2019.

**Chua, Yi Ting**, & Collier, Ben. "Fighting the 'Blackheart Airports': Internal Policing in the Chinese Censorship Circumvention Ecosystem." APGW eCrime Symposium 2019.

Pete, Ildiko, & **Chua, Yi Ting**. An Assessment of the Usability of Cybercrime Datasets. In 12<sup>th</sup> USENIX Workshop on Cyber Security Experimentation and Test (CSET'19).

**2013**      Holt, Thomas J., **Chua, Yi Ting**, & Smirnova, Olga. "An Exploration of the Factors Affecting the Advertised Price for Stolen Data." In 2013 APWG eCrime Researchers Summit. IEEE.

## Publications

### Book

- 2016** Holt, Thomas. J., Smirnova, Olga, & **Chua, Yi Ting**. *Data Thieves in Action: Examining the International Market for Stolen Personal Information*. New York: Palgrave Macmillan

### Book Chapters

- 2021** Hughes, Jack, **Chua, Yi Ting**, & Hutchings, Alice. (2021). Too Much Data? Opportunities and Challenges of Large Datasets and Cybercrime. In A. Lavorgna & T. J. Holt (Eds.), *Researching Cybercrimes* (pp. 191-212). Palgrave Macmillan, Cham.

Bada, Maria, Chua, Yi Ting, Collier, Ben, & Pete, Ildiko. Exploring Masculinities and Perceptions of Gender in Online Cybercrime Subcultures. In M. W. Kranenborg & R. Leukfeldt (Eds.), *Cybercrime in Context*. Springer Nature.

- 2016** Hutchings, Alice & **Chua, Yi Ting**. Gendering Cybercrime. In T. J. Holt (Ed.), *Cybercrime through an Interdisciplinary Lens* (pp. 167-188). Oxon: Routledge

## Presentations (\* invited speakers)

- 2021** Chua, Yi Ting. Workshop on Security and Human Behavior 2021 (Virtual Session). June 3-4

- 2020** Pete, Ildiko, Hughes, Jack, Bada, Maria, & Chua, Yi Ting. "A Social Network Analysis and Comparison of Dark Web Forums." Sunbelt Virtual Conference 2020. July 13-17.

\* Chua, Yi Ting. Workshop on Security and Human Behavior 2020 (Virtual Session). June 18-19.

- 2019** Chua, Yi Ting, Parkin, Simon, Edwards, Matthew, Oliveira, Daniel, Schiffner, Stefan, Tyson, Gareth, & Hutchings, Alice. "Identifying Unintended Harms of Cybersecurity Measures." APGW eCrime Symposium 2019. Pittsburgh, USA. November 12-15.

Chua, Yi Ting, & Collier, Ben. "Fighting the 'Blackheart Airports': Internal Policing in the Chinese Censorship Circumvention Ecosystem." APGW eCrime Symposium 2019. Pittsburgh, USA. November 12-15.

Chua, Yi Ting & Collier, Ben. "We Got Booted: An Exploration of Norms and Social Structure in Cybercrime Communities across Different Online Platforms." The 19<sup>th</sup> Annual Conference of the European Society of Criminology. Ghent, Belgium. September 18-21.

## Presentations (\* invited speakers)

- 2019** \* Chua, Yi Ting. Dagstuhl Seminar: Cybersafety Threats – from Deception to Aggression (19302). Schloss Dagstuhl, Germany. July 22-26.
- 2018** Chua, Yi Ting, Holt, T., Chermak, S., & Freilich, J. “The Radicalization Of Opinions In Online Far-Right Extremist Web Forums”. The American Society of Criminology Annual 2018 Conference. Atlanta, Georgia. November 14-17.
- 2017** Chua, Yi Ting, Holt, T., Chermak, S., & Freilich, J. “Understanding Changes in Beliefs among Members in Online Extremist Web Forums”. The American Society of Criminology Annual 2017 Conference. Philadelphia, Pennsylvania. November 15-18.
- \* Chua, Yi Ting. Workshop on Security and Human Behavior 2017. Cambridge, United Kingdom. May 25-16.
- 2016** Chua, Yi Ting. "Examining Financial Transactions in Online Stolen Data Markets with Social Network Analysis: Trust and Selection". The American Society of Criminology Annual 2016 Conference. New Orleans, Louisiana. November 15-19.
- 2015** Chua, Yi Ting. "Understanding the Process of Becoming a Successful Carder: Knowledge and Risk Avoidance Techniques". The American Society of Criminology Annual 2015 Conference. Washington D.C. November 18-21.
- 2014** Chua, Yi Ting, & Holt, Thomas J. "Techniques of Neutralization, Attitudes, and Hacking Behaviors across Three Regions". The American Society of Criminology Annual 2014 Conference. San Francisco, California. November 19-22.
- 2013** Chua, Yi Ting, Smirnova, Olga, and Holt, Thomas J. "Examining the Network Structure of Stolen Data". The American Society of Criminology Annual 2013 Conference. Atlanta, Georgia. November 20-23.
- 2012** Chua, Yi Ting. "Gender and Risk Perception among Police Officers". Society of Risk Analysis Annual 2012 Conference. San Francisco, California. December 9-12.

## Fellowships and Awards

- 2021** Gill-Chin Lam Award for Outstanding Doctoral Dissertation in Global Studies, Michigan State University
- 2020** Best Paper Award, “Refining the Blunt Instruments of Cybersecurity: A Framework to Coordinate Prevention and Preservation of Behaviours”, 10th International Workshop on Socio-Technical Aspects in Security (STAST) 2020

## Fellowships and Awards

- 2019** Best Paper Award, “Identifying Unintended Harms of Cybersecurity Measures”, APWG eCrime Symposium 2019 (\$1000)
- 2018** Fellowship, School of Criminal Justice, Michigan State University (\$3651)
- Summer Dissertation Completion Fellowship, College of Social Science, Michigan State University (\$7000)
- 2017** Conference Travel Grant for Students, Workshop on Security and Human Behavior
- RSA Conference Security Scholar, RSA Conference
- 2015** Fellowship, School of Criminal Justice, Michigan State University (\$1000)
- 2013 – 2014** Summer Fellowship, School of Criminal Justice, Michigan State University (\$3500)
- 2013** Winner of the Division of Women and Crime Student Paper Competition (\$500), American Society of Criminology
- 2011 – 2012** Louis A. Radelet Graduate Diversity Scholarship Fund, School of Criminal Justice, Michigan State University (\$5373)

## Institutional Service

- Now** Faculty Advisor, Cryptocurrency Club, University of Alabama
- 2020 – 2021** President, Postdocs of Cambridge Society, University of Cambridge
- 2019 – 2020** Vice President, Postdocs of Cambridge Society, University of Cambridge
- Representative at the Concordat Working Group (university committee)
  - Representative at the Equality and Diversity Committee (university committee)
- 2018 – 2019** Graduate Student Representative for Equity, Inclusion, and Justice Committee, School of Criminal Justice, Michigan State University
- 2017 – 2018** Vice President, Doctoral Student Association, School of Criminal Justice, Michigan State University
- 2015 – 2017** President, Doctoral Student Association, School of Criminal Justice, Michigan State University

## **Institutional Service**

**2014 – 2015** Vice President, Doctoral Student Association, School of Criminal Justice, Michigan State University

## **Professional Service**

**2021** Committee Member, Bylaws Committee, Division of Cybercrime

Committee Member, Award Committee, Division of Cybercrime

Organizer, The Cybersecurity Revolution (SECREV) 2021

**2019** Section Editor of “Ask a Senior Colleague”, Division of Women and Crime Newsletter

**2018** Committee Member, Social Media Committee, Division of Women and Crime

## **Academic Service**

**2016 – 2021** Reviewer for the following journals:

- Asian Journal of Criminology
- Victims & Offender
- American Behavioral Scientist
- International Journal of Cyber Criminology
- ACM Transactions on Privacy and Security
- Crime and Delinquency
- Social Science Computer Review
- Howard Journal of Criminal Justice
- Deviant Behavior