

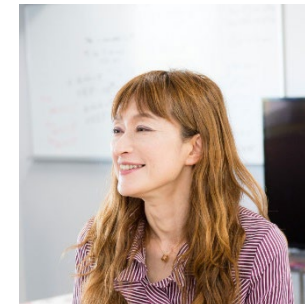
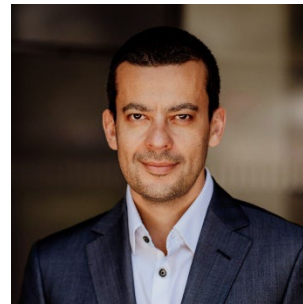
# NSS 2023 TPC Chairs' Report

## 17th International Conference on Network and System Security

**Shujun Li**, University of Kent, UK

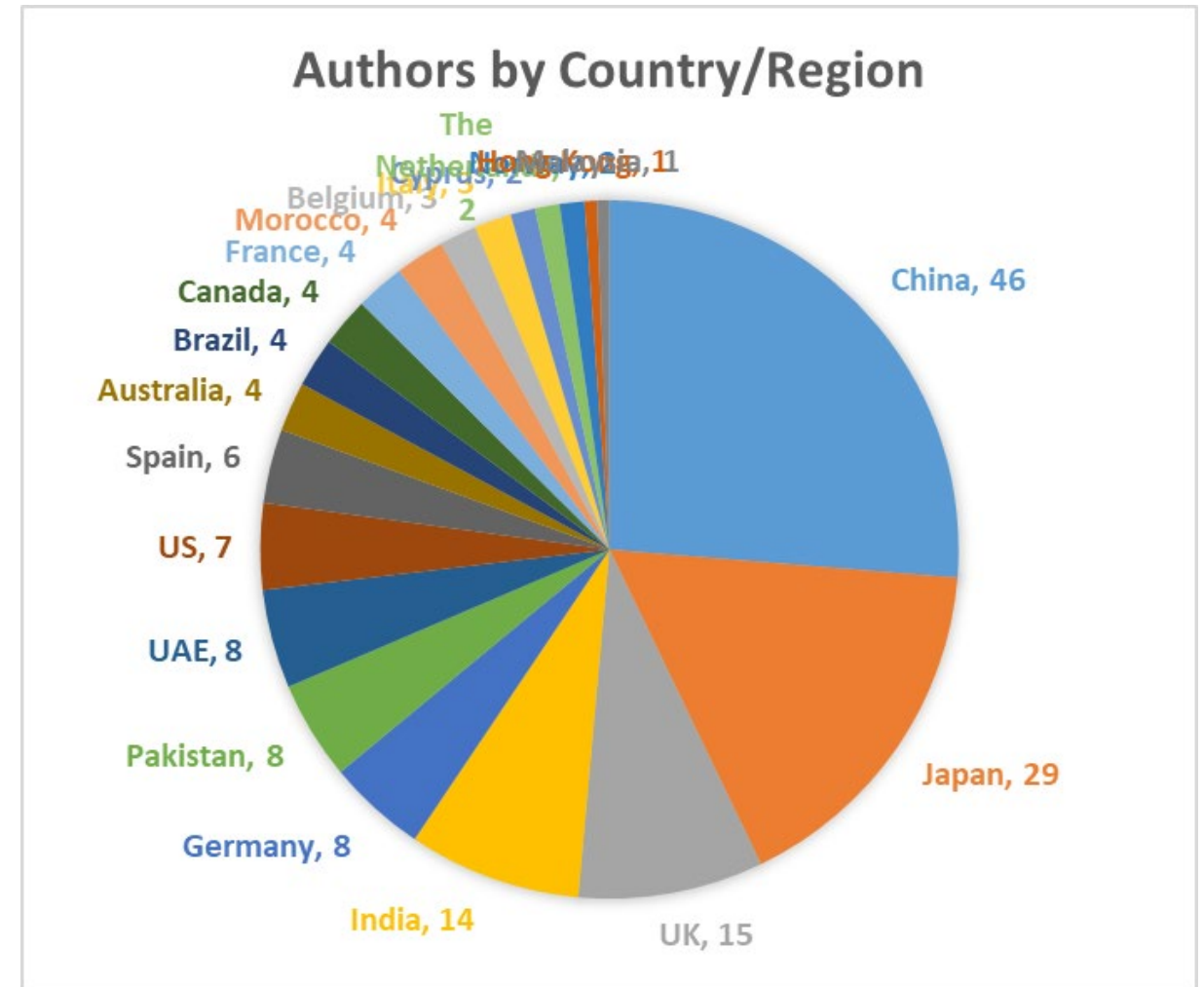
**Mark Manulis**, Universität der Bundeswehr München, Germany

**Atsuko Miyaji**, Osaka University and Japan Advanced Institute of  
Science and Technology, Japan



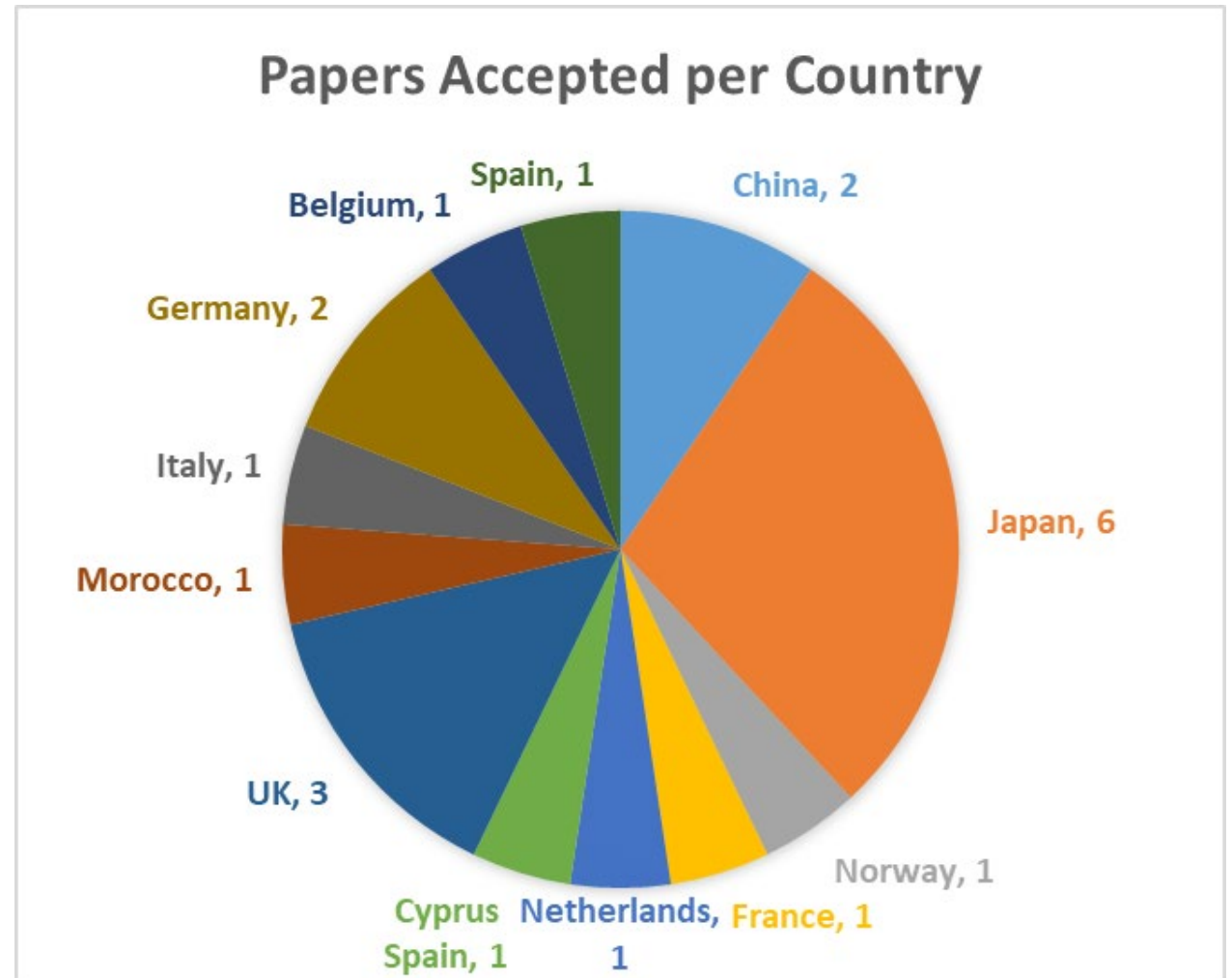
# Paper submissions

- 63 submissions from authors in 21 countries/regions in all continents (except Antarctica of course 😊)
- Statistics of authors per country/region
  - Top three countries are China, Japan and the UK.



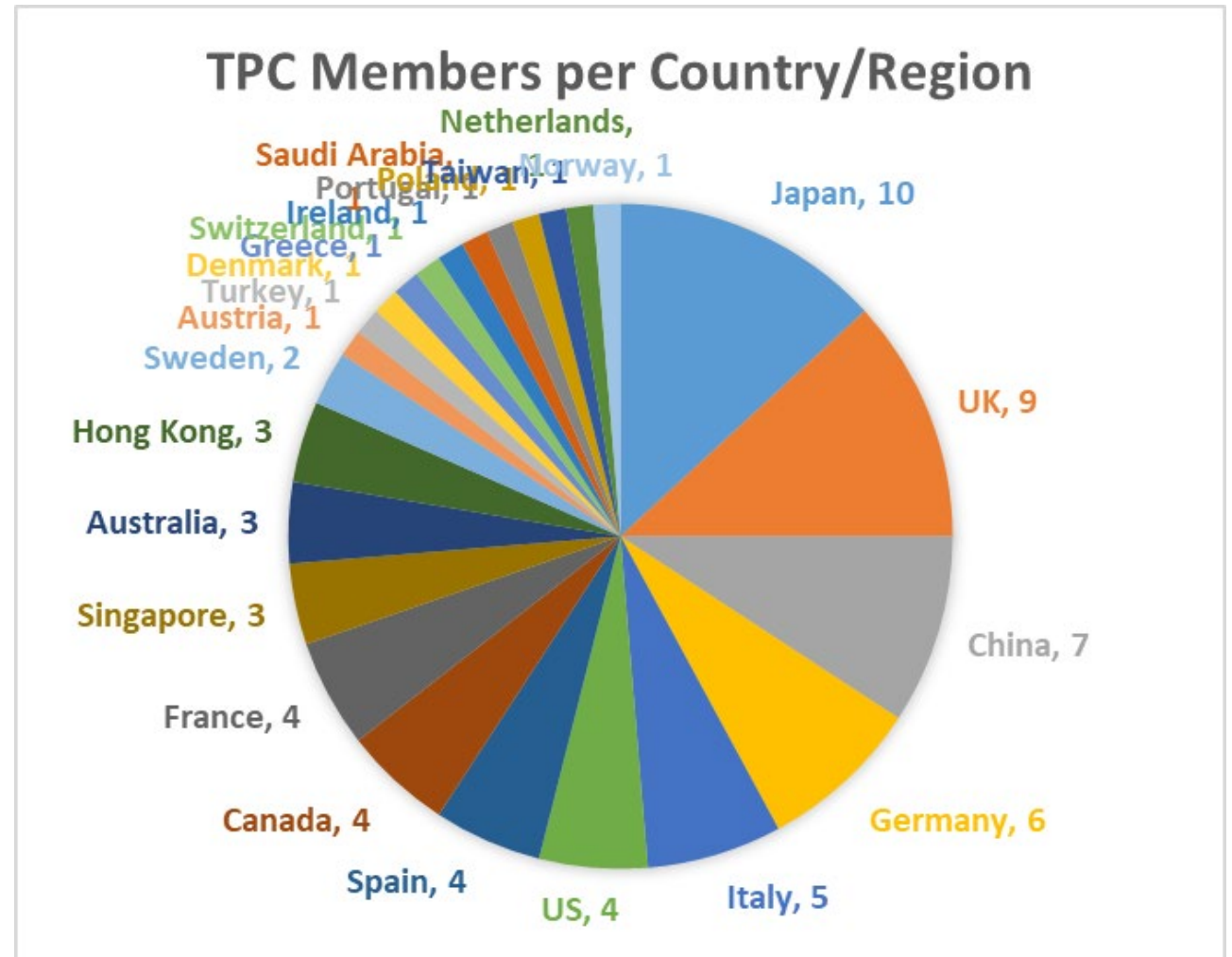
# Papers accepted

- Submissions: 63
- Full papers accepted: 12
- Short papers accepted: 9
- Acceptance rates: full papers (19.0%), overall (33.3%)
- Statistics of accepted papers per country
  - Except one, all papers have authors from a single country.
  - Japan is the biggest contributor (6 accepted out of 11 papers)!



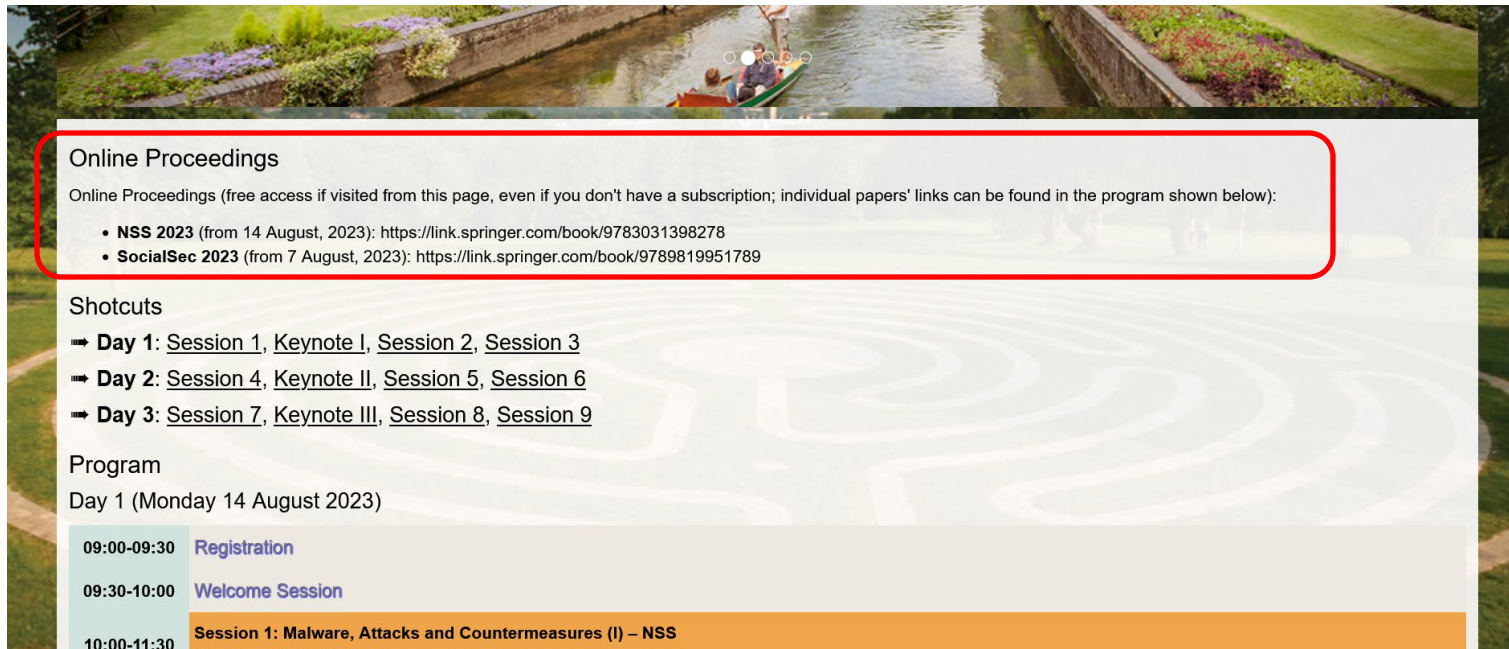
# TPC members and paper reviews

- 76 TPC members from 25 countries/regions
- 4 external reviewers
- 11 submissions were desk rejected by TPC Co-Chairs
- For the 52 valid submissions
  - Except one paper with 2 reviews, all others received 3 or 4 reviews.
  - The average number of reviews received is ~3.1.



# NSS2023 conference proceedings

- Published by Springer as LNCS volume 13983
- Fulltext of the whole proceedings and each paper has been accessible from the conference website <https://nss-socialsec2023.cyber.kent.ac.uk/> from 14<sup>th</sup> August.



Online Proceedings

Online Proceedings (free access if visited from this page, even if you don't have a subscription; individual papers' links can be found in the program shown below):

- **NSS 2023** (from 14 August, 2023): <https://link.springer.com/book/9783031398278>
- **SocialSec 2023** (from 7 August, 2023): <https://link.springer.com/book/9789819951789>

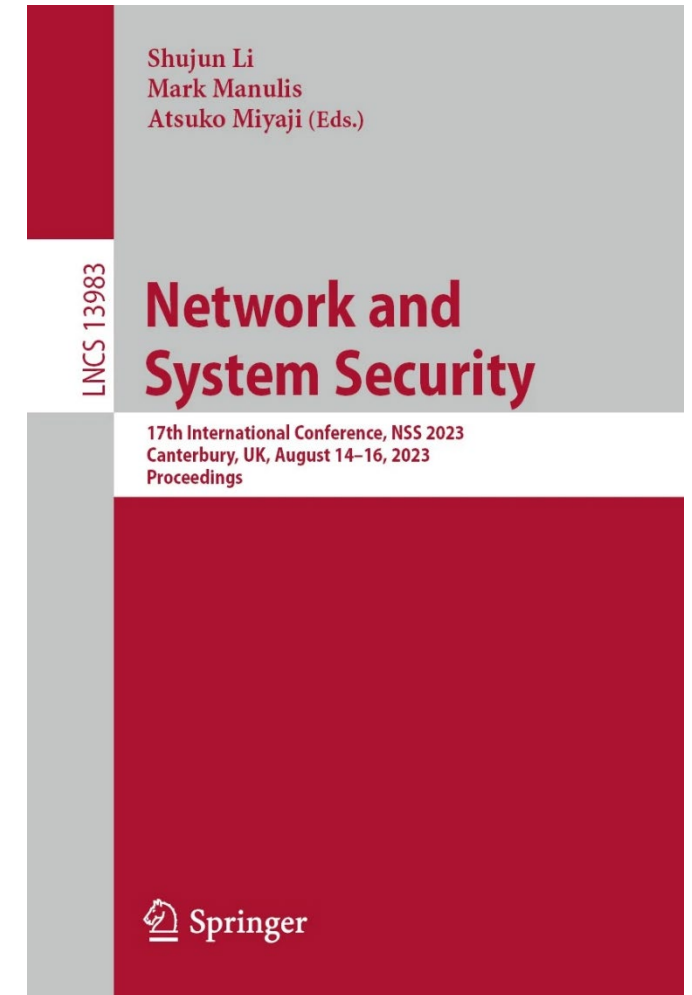
Shotcuts

- **Day 1:** [Session 1](#), [Keynote I](#), [Session 2](#), [Session 3](#)
- **Day 2:** [Session 4](#), [Keynote II](#), [Session 5](#), [Session 6](#)
- **Day 3:** [Session 7](#), [Keynote III](#), [Session 8](#), [Session 9](#)

Program

Day 1 (Monday 14 August 2023)

09:00-09:30	Registration
09:30-10:00	Welcome Session
10:00-11:30	Session 1: Malware, Attacks and Countermeasures (I) – NSS



- NSS is governed by a Steering Committee
  - [Yang Xiang](#), Swinburne University of Technology, Australia (**Chair**)
  - [Elisa Bertino](#), Purdue University, USA
  - [Robert Deng](#), Singapore Management University, Singapore
  - Dieter Gollmann, Hamburg University of Technology, Germany
  - [Xinyi Huang](#), Hong Kong University of Science and Technology, China
  - [Kui Ren](#), Zhejiang University, China
  - [Ravi Sandhu](#), University of Texas at San Antonio, USA
  - [Wanlei Zhou](#), City University of Macau, China
- We thank the Steering Committee to allow us to organise NSS 2023 this year!

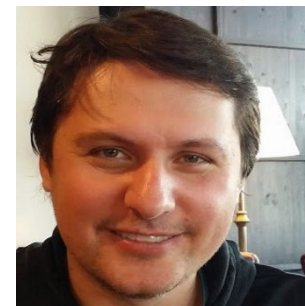
# SocialSec 2023 TPC Chairs' Report

## 9th International Symposium on Security and Privacy in Social Networks and Big Data

**Budi Arief**, University of Kent, UK

**Anna Monreale**, University of Pisa, Italy

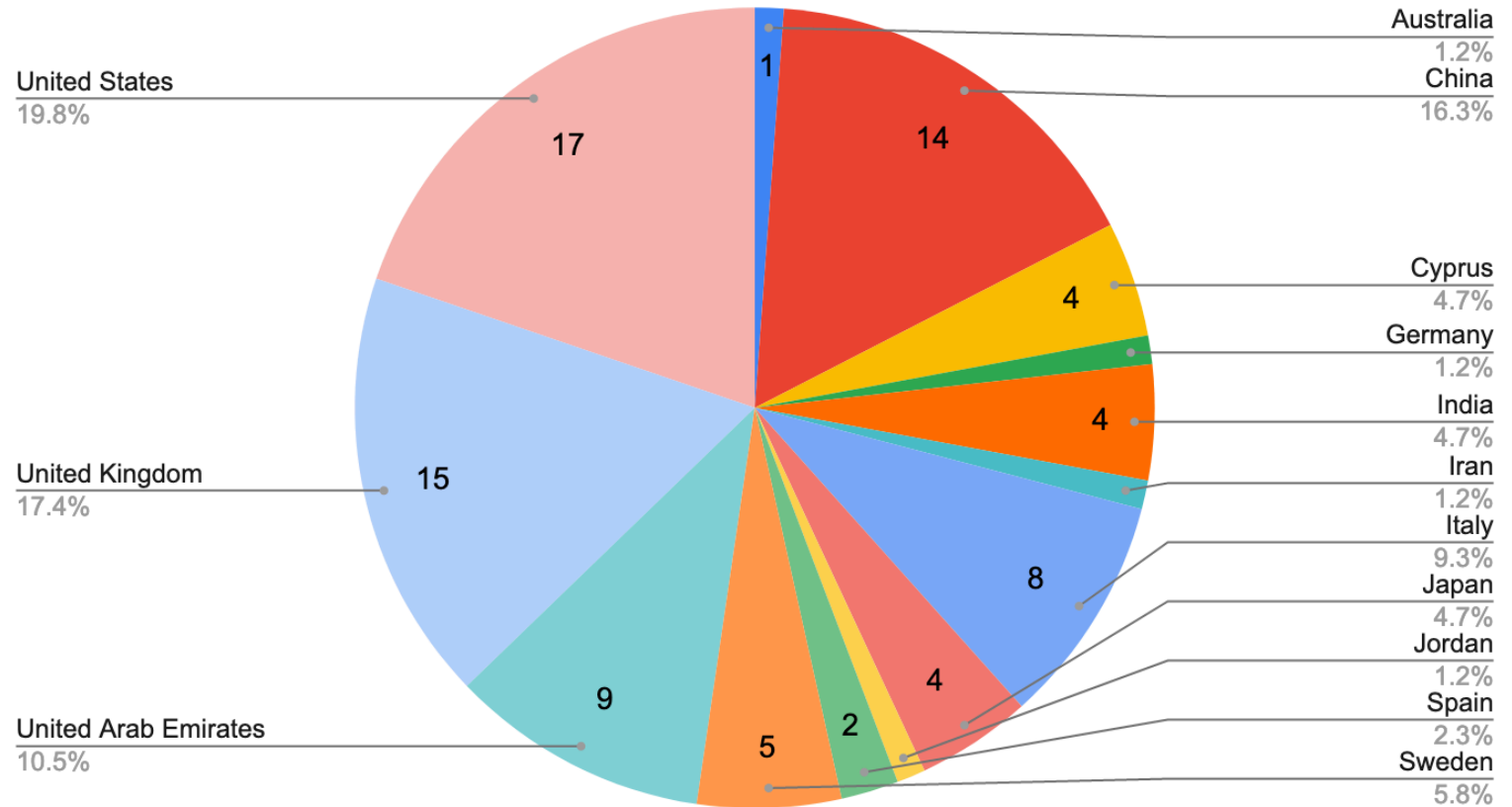
**Michael Sirivianos**, Cyprus University of Technology, Cyprus



# Paper submissions

- 26 submissions from authors in 14 countries\*
- Statistics of authors per country/region
  - Top three countries are United States, UK and China.
- Additionally, 3 papers were transferred from NSS for consideration
  - (not shown in the chart\*\*)

Submitting Authors by Country



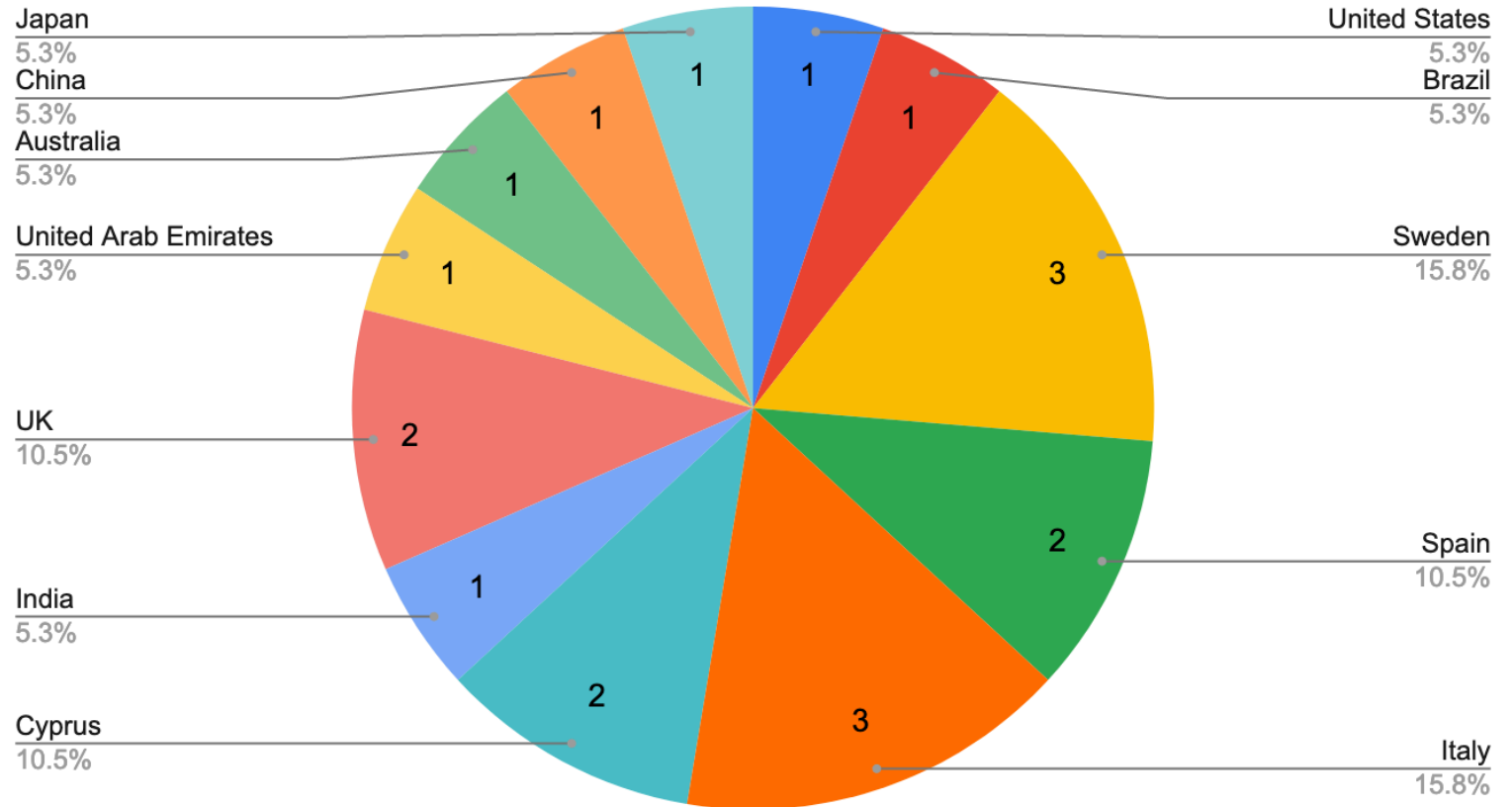
\* Each author in multi-authored papers is being counted individually – \*\*not including those transferred from NSS



# Papers accepted

- Submissions: 26+3 = 29
- Full papers accepted: 10
- Short papers accepted: 4
  - Including 1 transferred from NSS
- Acceptance rates: full papers (34.48%), overall (48.27%)
- Statistics of accepted papers per country
  - 9 papers have authors from a single country.
  - 5 papers have authors from two countries.

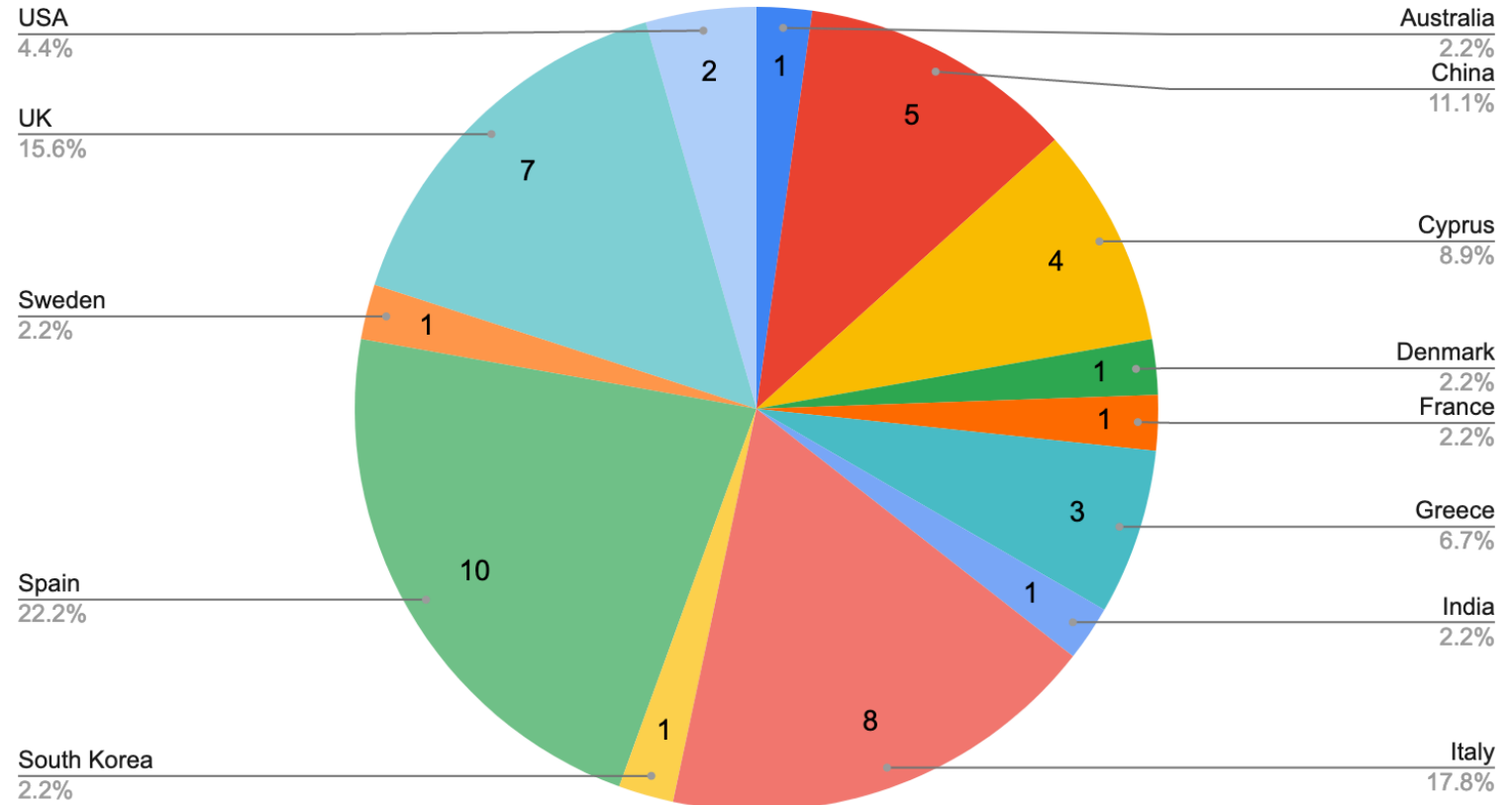
Accepted Papers per Country



# TPC members and paper reviews

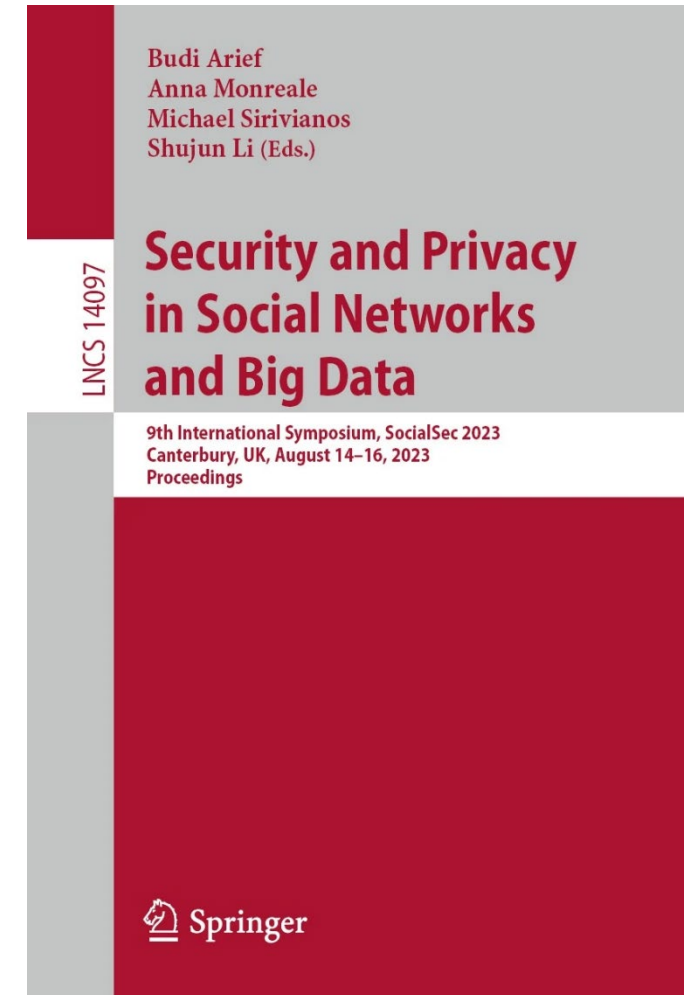
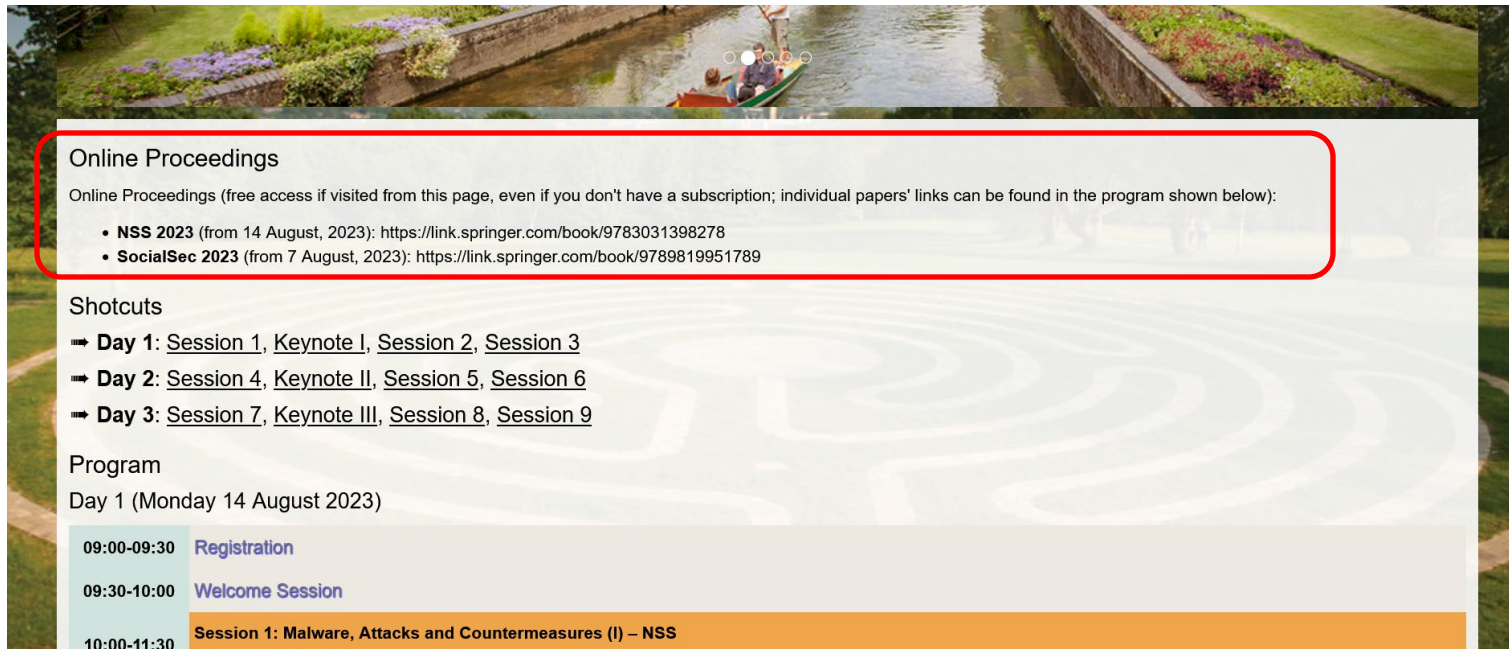
- 45 TPC members from 13 countries
- 5 external reviewers
- 2 submissions were desk rejected by TPC Co-Chairs
- For the 24 valid submissions
  - Each paper received 3 or 4 reviews.
- 3 papers transferred from NSS were considered by TPC Chairs
  - Already reviewed by NSS TPC members

TPC Members by Country



# SocialSec 2023 conference proceedings

- Published by Springer as LNCS volume 14097
- Fulltext of the whole proceedings and each paper has been accessible from the conference website <https://nss-socialsec2023.cyber.kent.ac.uk/> from 7<sup>th</sup> August.



- SocialSec is governed by a Steering Committee
  - [Yang Xiang](#), Swinburne University of Technology, Australia (**Chair**)
  - [Jeremy Blackburn](#), Binghamton University, USA
  - [Shujun Li](#), University of Kent, UK
  - [Michael Sirivianos](#), Cyprus University of Technology, Cyprus
  - [Anna Cinzia Squicciarini](#), Pennsylvania State University, USA
  - [Tianqing Zhu](#), University of Technology Sydney, Australia
- The Steering Committee was recently established. If you are interested in hosting a future edition of SocialSec, please send a proposal to the Chair.
  - SocialSec 2024 has been decided to be co-located with NSS 2024, again.

# Joint Report from NSS-SocialSec 2023 TPC Co-Chairs

# Shared keynotes

- Day 1: Monday 14th August 11:45-12:45
  - Julia Hesse, IBM Research Zurich, Switzerland  
**How Cryptography Can Help You to Stop Telling Your Passwords to Everybody**
- Day 2: Tuesday 15th August 11:00-12:00
  - Nishanth Sastry, University of Surrey, UK  
**Monitoring & Mitigating Online Harms: Is Redecentralisation the Answer to Partisanship, Hate Speech, Tracking etc.?**
- Day 3: Wednesday 16th August 11:00-12:00
  - Lorenzo Cavallaro, University College London (UCL), UK  
**Trustworthy AI... for Systems Security**



# Joint single-track conference program

## - Day 1: Monday 14th August

- 10:00-11:30 Session 1: Malware, Attacks and Countermeasures (I) – NSS (4 papers)
- 14:00-15:35 Session 2: Information Abuse and Political Discourse – SocialSec (4 papers)
- 16:00-17:35 Session 3: Blockchain – NSS + SocialSec (4 papers)

## - Day 2: Tuesday 15th August

- 09:00-10:35 Session 4: Security Mechanisms, Social Structure and Community – NSS + SocialSec (4 papers)
- 13:30-14:45 Session 5: Security in the Wild – NSS (3 papers)
- 15:00-16:15 Session 6: Malware, Attacks and Countermeasures (II) – SocialSec (3 papers)

## - Day 3: Wednesday 16th August

- 09:00-10:30 Session 7: System and Hardware Security – NSS (4 papers)
- 13:00-14:45 Session 8: Privacy and Machine Learning (I) – NSS + SocialSec (5 papers)
- 15:00-16:30 Session 9: Privacy and Machine Learning (II) – NSS (4 papers)

# Best Paper and Best Student Paper Awards



- For both conferences, one paper has been selected to receive the **Best Paper Award**, and a second paper whose first author is a student has been selected to receive the **Best Student Paper Award**.
- All four awards will be announced on Tuesday 15<sup>th</sup> August at the conference dinner.
- In addition to a certificate, there is also a cash prize sponsored by the Institute of Cyber Security for Society (iCSS), University of Kent.



**Enjoy your stay at NSS-SocialSec 2023!**