

Programme (<https://ifip-summer-school.github.io/programme/>)

Times indicated are Central European Summer Time - CEST (Berlin, Germany)

Tuesday, 30.08.2022

9:00 - 9:15 Opening

9:15 - 10:15 Keynote: Christian Buggedei

How to build organisations for privacy-friendly solutions

10:15 - 10:30 Break

10:30 - 12:00 Session: Privacy and User Perception

Session Chair: Joachim Meyer

Vera Schmitt

Influence of Privacy Knowledge on Privacy Attitudes in the Domain of Location-Based Services

Abylay Satybaldy

Usability Evaluation of SSI Digital Wallets

Eva Pöll, Marco Hünseler

Promises and Problems in the Adoption of Self-Sovereign Identity Management from a Consumer Perspective

12:00 - 12:45 Break Virtual Lunch

12:45 - 13:45 Workshop

Yannic Meier

Raising awareness for privacy risks and supporting protection in the light of digital inequalities

13:45 - 14:00 Break

14:00 - 15:00 Session: Data Protection Information

Session Chair: Joachim Meyer

Emre Kocyigit

Analysis of Dark Patterns in Consent Management Flow: Functional Characteristics for Automated Detection

Olga Gkotsopoulou

Accessibility statements and data protection notices: what can data protection law learn from the concept of accessibility?

Wednesday, 31.08.2022

9:00 - 10:00 Keynote: Welde Tesfay

Empowering end users' privacy-related decision making with ML-enabled PETs

10:00 - 10:15 Break

10:15 - 11:45 Session: Data Protection Regulation

Session Chair: Felix Bieker

Weiqiang Wang

Reforming Intermediary Liability in the Digitized Platform Economy

Muhammed Demircan

Digital Markets Act and GDPR: Making Sense of the Data-Sharing Provisions

Maria Magierska

Does network governance work in the digitalized world? A case of the European Data Protection Board

11:45 - 12:30 Break Virtual Lunch

12:30 - 13:30 Tutorial

Arianna Rossi

Getting out of the ethico-legal maze of social media data scraping

13:30 - 13:45 Break

13:45 - 14:45 Keynote: Mary Shnayien

to be announced

Thursday, 01.09.2022

9:00 - 10:00 Workshop

Simone Fischer-Hübner, Marit Hansen, Meiko Jensen and Ano Nymous

Privacy-Enhancing Technologies and Anonymization in Light of GDPR and Machine Learning

10:00 - 10:15 Break

10:15 - 11:45 Session: Privacy and Machine Learning

Session Chair: Ina Schiering

Shokofeh Vahidiansadegh, Lena Wiese

Ecual: a cybErseCurity platform for biclustering ALgorithms

Yuping Yan

KDDP: A Practical and Privacy-Preserving Scheme for Federated Learning

Pablo Trigo Kramcsák

Data governance and lawfulness of personal data processing for AI development

11:45 - 12:30 Break Virtual Lunch

12:30 - 13:30 Workshop

Jesús García-Rodríguez, David Goodmann and Stephan Krenn

Privacy-Preserving Industry Applications - From Research to Industry

13:30 - 13:45 Break

13:45 - 14:45 Session: Differential Privacy

Session Chair: Ina Schiering

Michael Khavkin, Eran Toch

Selecting Personal Differential Privacy Budget: A Simulated Analysis

Dmitry Prokhorenkov

Compliance implications and security objectives from the Differential Privacy and GDPR focus

Friday, 02.09.2022

9:00 - 10:00 Keynote: Os Keyes

Participation before Data: Historicising Trans Counterpower

10:00 - 10:15 Break

10:15 - 11:15 Session: Privacy, Ethics and Identity

Session Chair: Charles Raab

Catherine Yue

Privacy and Ethical Concerns of Brain-Computer Interfaces

Ana Fernandez Inguanzo

The relation between privacy, data protection and identity

11:15 - 11:30 Break

11:30 - 12:30 Workshop

Murat Karaboga, Michael Friedewald, Frank Ebbers and Greta Runge

What is there to criticize about voice, speech and face recognition?

12:30 - 13:00 End of event remarks and outlook for next year

Keynotes

Os Keyes - Participation before Data: Historicising Trans Counterpower



Abstract: In an era increasingly characterised by the hype around (and fear of) big data, notions of both participatory data practices and data counterpower are increasingly discussed. Both are valuable, but both are seen as relatively novel and untested. Are they? In this talk I will contextualise the idea of democratic data engagement and the use of data to “talk back” to those in power within the history of transgender (“trans”) medicine. Demonstrating the long historic arc of these practices - an arc that starts before modern AI - I will discuss what lessons can be learned from the successes and failures of early digital trans activism.

Os Keyes ([Website \(https://ironholds.org/\)](https://ironholds.org/)) is a researcher and writer at the University of Washington. Their work focuses on questions of gender, disability, technology and power, with a particular interest in machine learning, biomedicine and the intersection thereof. An inaugural Ada Lovelace Fellow, their work has been published in CSCW, CHI, *Cultural Studies* and a range of media venues, including *Vice*, *Wired* and *Logic* magazines.

Dr. Welderufael B. Tesfay - Empowering end users' privacy-related decision making with ML-enabled PETs



Abstract: Over the last decades, the advancement of the Internet and the digital services built on the Internet infrastructure have dramatically changed the way people interact with each other as well as the way they execute daily activities. This new dynamism forces users to generate large amounts of data. While such a huge amount of data is useful in a number of fields, such in medical research, it also poses unprecedented threats for user's privacy. In this talk, we will explore the application of machine learning techniques to build privacy preserving tools. Such tools empower the user in making informed-privacy related decisions, by also considering the user's regulatory rights to privacy and informational self-determination.

Welderufael (aka Welde) is a Senior Researcher in information privacy and security at the Chair of Mobile Business & Multilateral Security at Goethe University Frankfurt am Main. He holds a Ph.D. degree in computer science from Goethe University Frankfurt, a Master of Science in Computer Science and Engineering with specialization in Mobile Systems from Luleå University of Technology, and Bachelor of Science in Computer Science and Engineering from Mekelle Institute of Technology (MIT-Tigray). His research lays at the 'symbiosis' of user-centric approaches to information privacy protection, data protection regulations (e.g., the EU GDPR), and applied machine learning & NLP techniques. He endeavors to design and develop "intelligent" tools that empower the user in making informed privacy-related decisions regarding sensitive information disclosures by also taking the user's regulatory rights into account. Additionally, since 2013, he has been working in various security and privacy related projects funded by the European Commission.

Dr. des. Mary Shnayien - Keynote Title



Mary Shnayien is a postdoctoral researcher associated with the Institute for Media Studies at Ruhr University Bochum and member of the DFG Research Network /Gender, Media and Affect/. She holds a PhD in media studies and comes from a background of theatre, media and gender studies. Her dissertation “Die unsicheren Kanäle. Negative und queere Sicherheit in Kryptologie und Informatik” will be published with /transcript/ this fall and focuses on the history and mediality of concepts of security in cryptology, IT security, and queer activism. Other research areas include digital cultures, economies, and infrastructures, as well as political affects and the intersections of media, gender, and race.

Christian Buggedei - How to build organisations for privacy-friendly solutions



Abstract: One of the key challenges is to manage the different stakeholders: There Private citizens who don't want to have their privacy compromised. Then there are corporations that rely on access to that same data for their business models. And there is society, represented by governments and regulators, with their own overarching needs and interests. polypoly has split up into three independent entities: A citizen-owned cooperative, a corporation, and a foundation. Christian Buggedei explains the vision of polypoly and how this split ensures that everyone's interests are fairly represented.

Christian Buggedei has more than 20 years of IT experience across all industries from the plumbing business around the corner to large public institutions. He is currently Product Owner at polypoly, a cooperative for all European citizens working on a new infrastructure for the data economy.