First International Workshop on Privacy Engineering IWPE'15
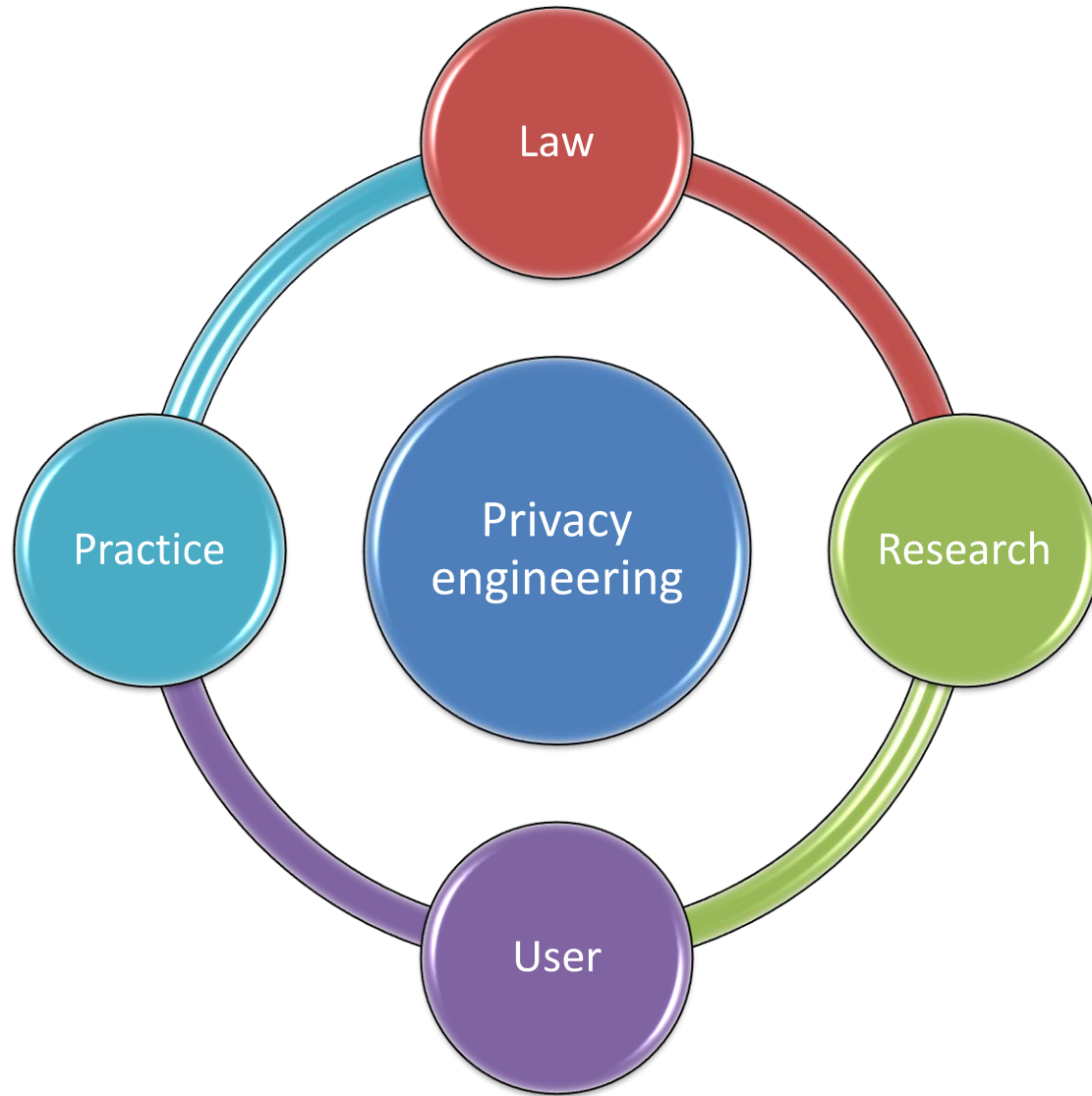
MAY 21, 2015

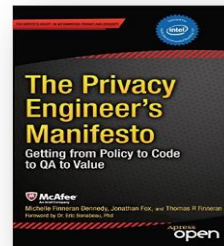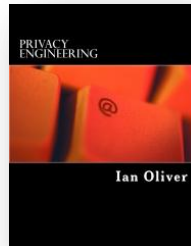# Why are we here today?

lable online at

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Existing Initiatives

Privacy Engineering Discipline

Integration of law and policy compliance into the development process

Privacy risk management models

Privacy impact assessment

Technical standards, heuristics and best practices for privacy engineering

Privacy engineering in technical standards

Identification and management of privacy stakeholders

Privacy requirements elicitation and analysis methods

Interaction between user privacy and data protection requirements

Management of privacy requirements with other system requirements

Privacy requirements operationalization

Privacy analysis methodologies and models

Privacy engineering strategies and design patterns

Privacy architectures

Privacy testing and evaluation methods

Validation and verification of privacy requirements

Models and approaches for the verification of privacy properties

Tools supporting privacy engineering

Teaching and training privacy engineering

Adaptations of privacy engineering into specific software development processes

Pilots and real-world applications

Organizational, legal, political and economic aspects of privacy engineering

Interdisciplinary reflections on privacy engineering concepts and frameworks

Workshop Facts

- 37 PC members
- 17 submissions
  - 60% from Europe
  - 40% from USA
- 9 accepted papers
  - 3 short papers
  - 6 regular papers
- 45+ registered

organizational techniques
sharing privacy
design information
system engineers
network data users
organizations risk
new technical security
FIM STC Tor frameworks
risks contestability
Web research best
systems principles
requirements
power engineering

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Claudia Roda (American University of Paris)
Daniel Le Metayer (INRIA)
Dawn Jutla (Saint Mary's University)
Deirdre Mulligan (UC Berkeley)
Fanny Coudert (KU Leuven)
Frank Dawson (Nokia)
Frank Kargl (University of Ulm)
George Danezis (University College London)
Helen Nissenbaum (New York Univerisity)
Ian Oliver (Nokia Networks)
Jaap-Henk Hoepman (Radboud University Nijmegen)
Jian Yu (Auckland University of Technology)
Joris Van Hoboken (New York Univerisity)
Juan C. Yelmo (Universidad Politécnica de Madrid)
Kim Wuyts (KU Leuven)

Kristian Beckers (University of Duisburg-Essen)
Kristina Irion (University of Amsterdam)
Lorrie Faith Cranor (Carnegie Mellon University)
Maritta Heisel (University of Duisburg-Essen)
Mic Bowman (Intel)
Michael Birnhack (Tel Aviv University)
Neeraj Suri (TU Darmstadt)
Norman Sadeh (Carnegie Mellon University)
Paul Ohm (University of Colorado)
Rigo Wenning (W3C)
Rob Cunningham (MIT Lincoln Laboratory)
Ruben Trapero (TU Darmstadt)
Seda Gurses (New York Univerisity)
Susan Landau (Worcester Polytechnic Institute)
Tara Whalen (Google)
Thomas Roessler (Google)
Travis D. Breaux (Carnegie Mellon University)
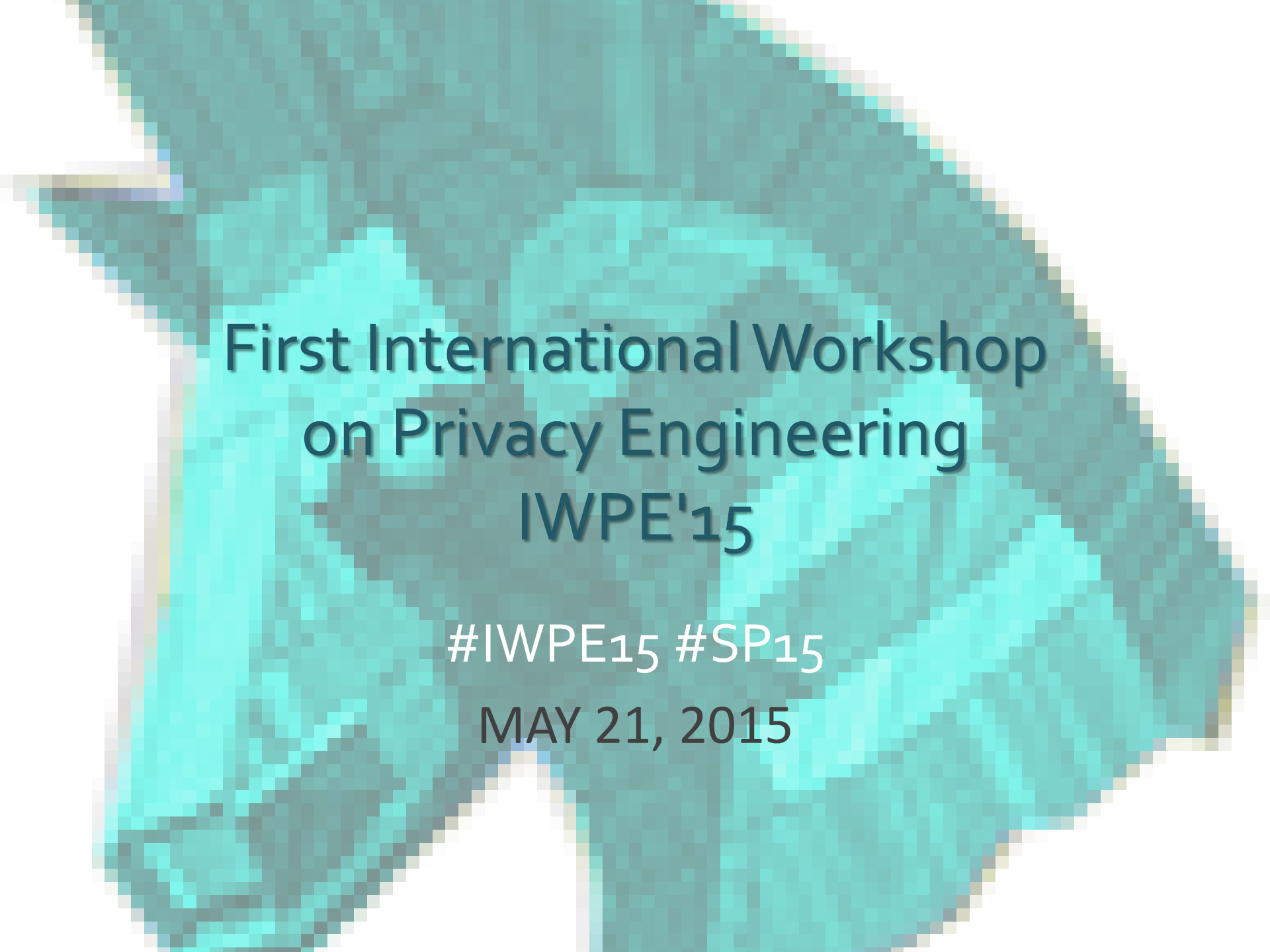Yod-Samuel Martín (UPM)

Agenda

9:00-09:20	**Welcome, introductions and opening remarks**
9:20–10:20	**Privacy: Plural, Contextual, Contestable but not Unworkable. Invited talk by Deirdre K. Mulligan (UC Berkeley)**
Morning Coffee Break
10:50–12:20	**Session: Systematizing privacy engineering goals** PRIPARE: Integrating Privacy Best Practices into a Privacy Engineering Methodology Protection Goals for Privacy Engineering Privacy by Design in Federated Identity Management
Lunch
1:20–1:30	**Best paper award ceremony**
1:30–2:30	**Privacy as a safety critical concept, Ian Oliver (Nokia Networks)**
2:30–3:10	**Session: Technologies for user-management of privacy** Extending the Power of Consent with User-Managed Access Decentralizing Privacy: Using Blockchain to Protect Personal Data
Afternoon Coffee Break
3:40–4:30	**Session: Surveillance, privacy and infrastructure** Reviewing for Privacy in Internet and Web Standard-Setting Privacy Principles for Sharing Cyber Security Data
4:30–5:35	**Session: Evaluating engineering methods for PETs** Choose Wisely: A Comparison of Secure Two-Party Computation Frameworks Tor Experimentation Tools
5:35–5:45	**Wrap-up and concluding remarks**

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