Second International Workshop on Privacy Engineering IWPE'16

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MAY 26, 2016

Why are we here today?

EU General Data Protection Regulation

- Data Protection Impact Assessment
- Data Protection by Design and by Default
- Strengthens individual rights, increases responsibility of data controllers
  - Corporate sanctions or fines up to **4% of annual worldwide turnover or 20€M** for non-compliance
  - Burden of proof on the data controller, not the user

Why are we here today?

Existing Initiatives

MITRE

ipen

NIST

enisa
European Network and Information Security Agency

OASIS

W3C®

IETF

IEC ISO

Privacy Engineering Field

Integrating law and policy compliance into the development process
Privacy impact assessment during software development
Privacy risk management models
Privacy breach recovery methods
Technical standards, heuristics and best practices for privacy engineering
Privacy engineering in technical standards
Privacy requirements elicitation and analysis methods
User privacy and data protection requirements
Management of privacy requirements with other system requirements
Privacy requirements implementation
Privacy engineering strategies and design patterns
Privacy-preserving architectures
Privacy engineering and databases
Privacy engineering in the context of interaction design and usability
Privacy testing and evaluation methods
Validation and verification of privacy requirements
Engineering Privacy Enhancing Technologies (PETs)
Integration of PETs into systems
Models and approaches for the verification of privacy properties
Tools and formal languages supporting privacy engineering
Teaching and training privacy engineering
Adaptations of privacy engineering into specific software development processes
Pilots and real-world applications
Evaluation of privacy engineering methods, technologies and tools
Privacy engineering and accountability
Privacy engineering and business processes
Privacy engineering and manageability of data
Organizational, legal, political and economic aspects of privacy engineering

Privacy Engineering @IWPE

Workshop Facts

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

- **48 PC members**
- **21 submissions**
  - **48% from Europe**
  - **39% from USA**
  - **India, Israel, Turkey**
- **9 accepted papers**
  - **2 short papers**
  - **7 regular papers**
- **50+ registered**

Agenda

8:45-9:00	**Opening remarks**
9:00-9:15	**Privacy Engineering: Shaping an Emerging Field of Research and Practice**
9:15-10:15	**Privacy and Algorithmic Accountability: Theory and Practice**
10:15-10:45	Coffee Break
10:45-12:25	**Session 1: Privacy engineering tools**
12:25-12:30	**Best paper award**
12:30-1:30	Lunch
1:30-2:20	**Session 2: Privacy engineering techniques**
2:20-3:15	**Panel: Tools in support of privacy engineering techniques**
3:15-3:45	Coffee Break
3:45-4:50	**Session 3: Privacy engineering methodologies**
4:50-5:45	**Panel: Tools in support of privacy engineering methodologies**

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