

# EMIC's FP7 Security and Privacy research interests

Joris Claessens

[joris.claessens@microsoft.com](mailto:joris.claessens@microsoft.com)

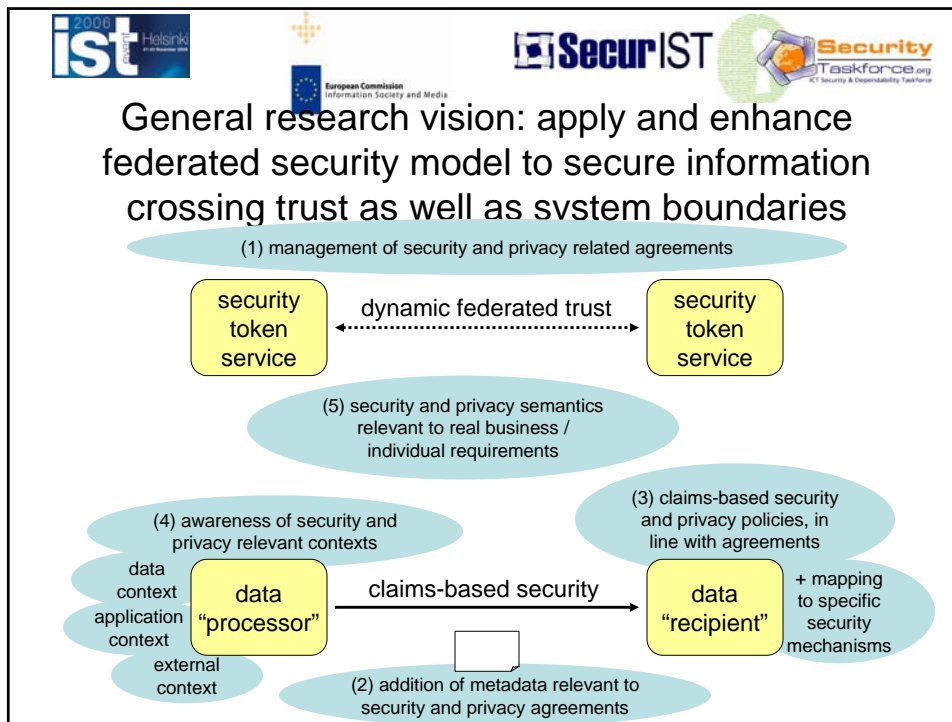
Alexey Orlov

[alexeyo@microsoft.com](mailto:alexeyo@microsoft.com)

## Enhancing web services security...

### ...towards information-centric security

- Current research focus: web services security
  - dynamic trust and federation management...
  - ...with enhanced claims-based security (e.g. location)
  - ...in various application environments (e.g. Grid)
- FP6 projects:
  - TrustCoM, MOSQUITO, NextGRID, BREIN
- Challenges requiring further research:
  - gap between security requirements and measures
  - coherent security across system boundaries
- Towards “context-aware security”:
  - at level of information processing
  - aware of security/privacy relevant meaning of data and context
- Further advancing web services security:
  - enhanced workflow security
  - integrating advanced cryptography and security concepts



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- ## Pursuing our research vision in FP7
- Coordinating proposal in Call 1 on context-aware security
    - looking for partners:
      - scenario stakeholders, requirements experts (e.g. legal), "identity" providers, system/application providers, etc.
  - Collaboration activities with envisaged impact on:
    - securing data processing across system boundaries
    - addressing privacy requirements
    - facilitating security compliance and audit
  - Typical EMIC technology contribution:
    - creating development, management, and/or run-time security framework for application-independent, context-aware information security
    - with extensibility hooks for supporting system-specific security measures and/or integrating partner security mechanisms



## Contact:

European Microsoft Innovation Center

[joris.claessens@microsoft.com](mailto:joris.claessens@microsoft.com)

[alexeyo@microsoft.com](mailto:alexeyo@microsoft.com)