





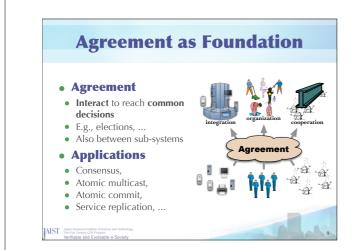


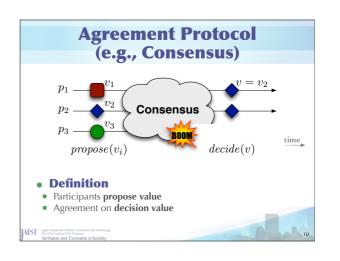
Dependable e-Society

- e-Society is a System
- Correctness
- Behavior corresponds to specification
- Specification corresponds to expectations
- Dependability
- Reliability: e-Society does not fail.
- Availability: e-Society responds when I needed it.
- Accountability: e-Society can report on actions/decisions.
- Privacy: e-Society protects private sphere.
- Fairness: e-Society maintains fairness / transparency.

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Challenge 1: multi-perspective guarantees

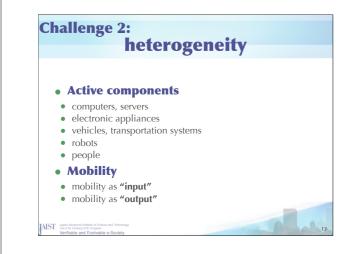
- Traditional systems
- computer service: client / server
- guarantees for servers
- guarantees for clients

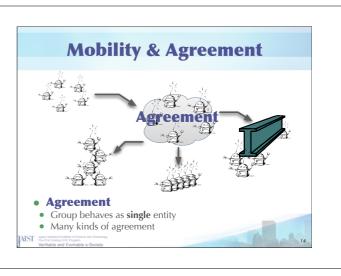
• e-Society infrastructure

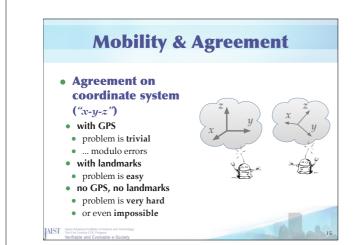
- system perception includes other "clients"
- **people** also part of the system.
- Difficulty
- Manage interactions between machines and people
- Provide guarantees from different viewpoints

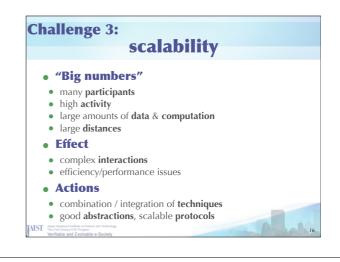
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Verifiable and Evolvable e-Society











Conclusion Trustworthy e-Society More and more reliance on e-Society Dependability essential for deserving trust People are big part of the game Research Builds upon state-of-the-art Many new challenges Highly interdisciplinary