**Trust-X: A trust Negotiation proposal**

**Who can you trust?**
- Can you trust strangers?
- Who do you trust online?
- How could you gain the trust of strangers online?
- What must strangers do to gain your trust online?

**Trust Negotiation model**

The gradual disclosure of credentials and requests for credentials between two stranger entities, with the goal of establishing sufficient trust so that parties can exchange sensitive resources.

- **Goal:** establish trust between parties in order to exchange sensitive information and services
- **Approach:** establish trust by verifying properties of the other party.

**Building blocks:**

1. **Subject Credentials** assertions about the credential owner issued by a Certification Authority
2. **Disclosure policies** statements expressing trust requirements by means of credential combinations, protecting access to resources, sensitive information and disclosure of sensitive credentials.

**Strategies support**

- Sensitive policies protection... protection needs organized in several disclosure policies logically linked and gradually disclosed during the negotiation
- Negotiation similarity... negotiation caching techniques
- Previous successful negotiations... trust tickets

**How about privacy?**

- Privacy-preserving negotiation techniques
- Integration with P3P platform
- Partial disclosure of a credential during negotiation process for protecting sensitive elements in a differentiated way

**System architecture**

[Diagram showing system architecture]

**Our proposal:** the Trust-X system, a comprehensive XML based framework for trust negotiations including:

- X-TNL... the language, able to handle multiple and heterogeneous certificate specification:
  - Credential
  - Declarations

**What's next...**
- Multi party negotiations
- Recovery mechanisms for recovering from failed or suspended negotiations
- Mobile negotiations
- Full integration with P3P platform, version 1.1.