IST–2001–39252
AVISPA – Automated Validation of Internet Security Protocols and Applications

- AVISPA aims at analyzing and validating large-scale Internet security-sensitive protocols and applications in order to improve their security and increase the public trust in advanced, distributed IT systems based on them.

- We will achieve this by building a tool that will allow industry and standardization organizations (like the IETF) to automatically detect errors and validate such protocols and applications. Real-life case-studies are provided by the industrial partner Siemens AG .

- The main goal is to begin the migration of this technology into standardization bodies so that both the scientific and the industrial community can benefit from the advances achieved by this project.

- We expect to specify at least 80 security problems and to automatically analyze at least 75% of them in less than 1 hour CPU time each.

www.avispa-project.org

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AVISPA - Automated Validation of Internet Security Protocols and Applications

- Participants:

  Università di Genova, Italy

  INRIA Lorraine, France

  ETH Zürich, Switzerland

  Siemens AG, Germany

- Total cost is € 2,047,586, of which € 808,000 provided by the EC

- Project start: Jan 1st, 2003; duration: 30 months

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