Semantic Web Services

Christoph Bussler
Oracle Corporation

The 12th International World Wide Web Conference
Budapest, Hungary, May 23rd, 2003

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Obstacles

- **No clear and good definition of S(WS)**
  - Not really helpful are proposals like
    - S(WS) = WS + RDF
    - S(WS) = workflow management ++
    - S(WS) = [your current web services prototype]
- **Ignored experience in a field that already exists for over 30 years**
  - Don't tell me to reveal my internal process for you to determine my behavior!
- **Idea that S(WS) is all about composition and message type matching; it's <u>not</u>!**
- **Too many good things :-)**
  - www.zapthink.com

Attraction

- **Multi-billion dollar market :-)**
  - Not just 1B or 2B
- **Existing killer application**
  - No need to look for one, it exists for over 30 years
  - Business-to-Business integration
    - E.g., 300 000 companies use EDI today and the list is growing
- **Wonderful intellectual challenge**
  - To make integration work end-to-end in 5 minutes across autonomous, heterogeneous and distributed parties
- **Instant reality check (user feedback)**
  - Due to existing 30-year+ experience

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