International Workshop on Adaptation, Personalization and REcommendation in the Social-semantic Web (APRESW 2010)

Wrap up & Closing

Iván Cantador[1], Peter Mika[2], David Vallet[1], José C. Cortizo[3], Francisco M. Carrero[3]

[1]Universidad Autónoma de Madrid, Madrid, Spain
[2]Yahoo! Research, Barcelona, Spain
[3]Universidad Europea de Madrid, Madrid, Spain

Discussion – research topics (1/4)

- ## User Modelling

  - ### Approaches

    - Ontology concept-based user profiling [2]

    - Time depending user preferences: short vs. long term [2]

    - Activity and intention-based personal information management [3]

    - Fuzzy sets and functions associated to ontology concepts and properties [5]

    - Multilingual social annotations [6]

    - Pattern-based user profiles: stereotypes [7]

  - ### Other issues

    - Preference acquisition & learning

    - Multi-facet profiles

    - …

[1] Using Images in Context-Aware Recommender Systems

[2] A Profile Ontology for Personalised Mobile Shopping Support

[3] Beyond Life Streams: Activities and Intentions for Managing Personal Digital Memories

[4] R3 - A Related Resource Recommender

[5] Introduction to Fuzzy-Ontological Context-Aware Recommendations in Mobile Environments

[6] Towards a Multilingual Semantic Folksonomy

[7] Applying a Multi-gated News Model to a Social Web.

Discussion – research topics (2/4)

- Personalisation & recommendation
  - Applications
    - Image suggestion [1]
    - Shopping support [2]
    - Semantic resource retrieval [4]
    - News delivery [7]
  - Inter-application relations
    - Image suggestion & shopping support
    - Image suggestion & news delivery
    - Semantic resource retrieval & news delivery
    - …

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Discussion – research topics (3/4)

- Contextualisation
  - Definition of context
    - Location and time [1][2][3]
    - Activities and intentions [3]
    - Social contacts [3]
    - Physical environment, network setting [5]
    - Other contextual aspects
    - …
  - Context modelling
    - Unified probabilistic recommendation framework [1]
    - Fuzzy ontology-based model [5]
    - Context capture and exploitation
    - …

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Discussion – research topics (4/4)

- Mobility [2][5]
  - Simplified user interfaces
  - Storage and computation limitations
  - …

- Information linking & integration [4]
  - Integrating the Social Web (folksonomies, social networks) with the Semantic Web (Linking Open Data)
  - …

- Synonym, polisemy, ambiguity, multilingualism [6]
  - Merging approaches
  - …

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Discussion - semantics

- Ontologies – Semantic Web
  - Lists of weighted ontology concepts [2]
  - Ontology entities describing activities and intentions [3]
  - Semantic resources from Linking Open Data [4]
  - Ontology properties with fuzzy values [5]
- Folksonomies – Social Web
  - Linking social metadata with structured knowledge [6]
  - Categorising users [7]
- Content-based features
  - Image low-level (SIFT) features [1]
  - Text keywords [4]

- "Semantic gaps"
- …

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The story continues after lunch…

LUPAS International Workshop at ESWC 2010 on

Linking of User Profiles and Applications in the Social Semantic Web

[workshop tag cloud]
Adaptation Aggregation Applications Dataportability
FOAF Flexibility Extensibility Interoperability Linking
Linked Data Mash-ups Microformats User
Modeling User Profiles Reusability Semantic
Web Social Web Syndication Web 2.0

Workshop Organizers

Accepted papers

- Matthew Rowe: Inferring Web Citations using Social Data and SPARQL Rules.
- Matthew Rowe and Suvodeep Mazumdar: Interlinking and Interpreting Social Data from Heterogeneous Sources.
- Fabien Duchateau and Lynda Hardman: Integrating and Ranking Interests From User Profiles.
- Salman Elahi, Mathieu d'Aquin and Enrico Motta: Who Want a Piece of Me? Reconstructing a User Profile from Personal Web Activity Logs
- Paolo Bouquet and Stefano Bortoli: Entity-centric Social Profile Integration *(short paper)*