

Linked Data & Semantics



SOCIAL SIMULATION
PERSONAL ASSISTANT
EMOTION ANALYSIS
LINKED DATA
DISCOVERY TASK AUTOMATION

UPM

The Intelligent Systems Group (GSI, Grupo de Sistemas Inteligentes) is a research group acknowledged by the Technical University of Madrid (UPM, Universidad Politécnica de Madrid).

Our staff consists of 11 professors, 7 researchers and collaborators from several departments of the university, mainly from the Department of Telematic Systems Engineering (DIT, Departamento de Ingeniería de Sistemas Telemáticos).

Since 1982, our group has conducted research, development and innovation in theories, methods and applications of artificial intelligence techniques, specially in intelligent agents, semantic technologies, machine learning and language engineering.

LATEST PROJECTS



H2020 MixedEmotions Social Semantic
Emotion Analysis for Multilingual
Big Data Analytics



FP7 Eurosentiment Linguistic Linked Data for
Sentiment and Emotion Analysis



FP7 SmartOpenData Linked Data for
Environment



FP7 Omelette Semantic Discovery for Telco
Mashup Development



FP7 Romulus Domain Driven Design for
Mashup Development



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Research lines & Applications

Big Data & Machine learning

Distributed diagnosis

Semantic search and social ranking

Social network analysis

Big Social Simulation

Agent & Social Simulation

Personal assistants

Intelligent automation in IoT

Mediator Agents

Methodologies

Simulation of social networks
and IoT spaces

Linked Data & Semantic Technologies

Linked data visualisation

GeoLinked Data

Idea Management & Innovation

Information Retrieval & Emotion Analysis

Sentiment and Emotion Analysis
in Social networks

Semantic search and
ranking algorithms

NLP interfaces & Bots

Web & Service Engineering

Semantic scraping

Semantic annotation of mashups

Semantic Service Discovery