Biography
Yuan-Fang Li is a Senior Lecturer in the Faculty of Information Technology, Monash University.

Related Links:
Yuan Fang Li's research homepage

Qualifications

Research output
Vector and line quantization for billion-scale similarity search on GPUs

Simulating exploration versus exploitation in agent foraging under different environment uncertainties

Predicting reasoner performance on ABox intensive OWL 2 EL ontologies

Automating reading comprehension by generating question and answer pairs

Using knowledge graphs to explain entity co-occurrence in Twitter

BioVis Explorer: A visual guide for biological data visualization techniques

Extracting permission-based specifications from a sequential Java program

An information-theoretic predictive model for the accuracy of AI agents adapted from psychometrics
Event and strategy analytics

FFD-index: An efficient indexing scheme for star subgraph matching on large RDF graphs

Grass: An efficient method for RDF subgraph matching

Observation, communication and intelligence in agent-based systems

R2O2: An efficient ranking-based reasoner for OWL ontologies

How long will it take? Accurate prediction of ontology reasoning performance

The mobile semantic web

Towards a consistent feature model using OWL

A meta-reasoner to rule them all: Automated selection of OWL reasoners based on efficiency

What are they thinking? A study of knowledge and communication in agent-based systems

How long will it take? Accurate prediction of ontology reasoning performance

The ubiquitous semantic web: Promises, progress and challenges

Towards a consistent feature model using OWL

A meta-reasoner to rule them all: Automated selection of OWL reasoners based on efficiency

Event analytics

The mobile semantic web

The ubiquitous semantic web: Promises, progress and challenges

Towards a consistent feature model using OWL
Enriching concept search across semantic web ontologies

Visualization of large ontologies with landmarks

A rigorous characterization of classification performance: A tale of four reasoners

Knowledge enrichment analysis for human tissue-specific genes uncover new biological insights

Predicting reasoning performance using ontology metrics

Integrating software engineering data using semantic web technologies

Using semantic web technologies to build a community-driven knowledge curation platform for the skeletal dysplasia domain

Scale-out RDF molecule store for efficient, scalable data integration and querying

Discovering anomalies in semantic web rules

Measuring design complexity of semantic web ontologies

PODD - Towards an extensible, domain-agnostic scientific data management system

PODD: An ontology-driven data repository for collaborative phenomics research
Towards a semantic & domain-agnostic scientific data management system

Verifying semistructured data normalization using SWRL

An Integrated formal approach to semantic work environments design

Verifying feature models using OWL

A Z approach in validating ORA-SS data models
Semantic web languages - Towards an institutional perspective

Validating semistructured data using OWL

Institution morphisms for relating OWL and Z

TCOZ approach to OWL-s process model design

A tools environment for developing and reasoning about ontologies

Formal semantics and verification for feature modeling

Soundness proof of Z semantics of OWL using institutions

Verify feature models using Protege-OWL

Verifying OWL and ORL ontologies in PVS

Visualizing and simulating semantic web services ontologies

TCOZ approach to semantic web services design

A combined approach to checking web ontologies
Verifying DAML+OIL and beyond in Z/EVES

XML-based static type checking and dynamic visualization for TCOZ

Prizes

**Kurzweil Best Paper Prize**
Yuan-Fang Li (Recipient), 2017

**President's Graduate Fellowship Scholarship**
Yuan-Fang Li (Recipient), 2005

**Singapore Millennium Foundation Scholarship**
Yuan-Fang Li (Recipient), 2004