

Big Data Analysis on Cross-domain Scholarly Data

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Motivation

Problem Specification

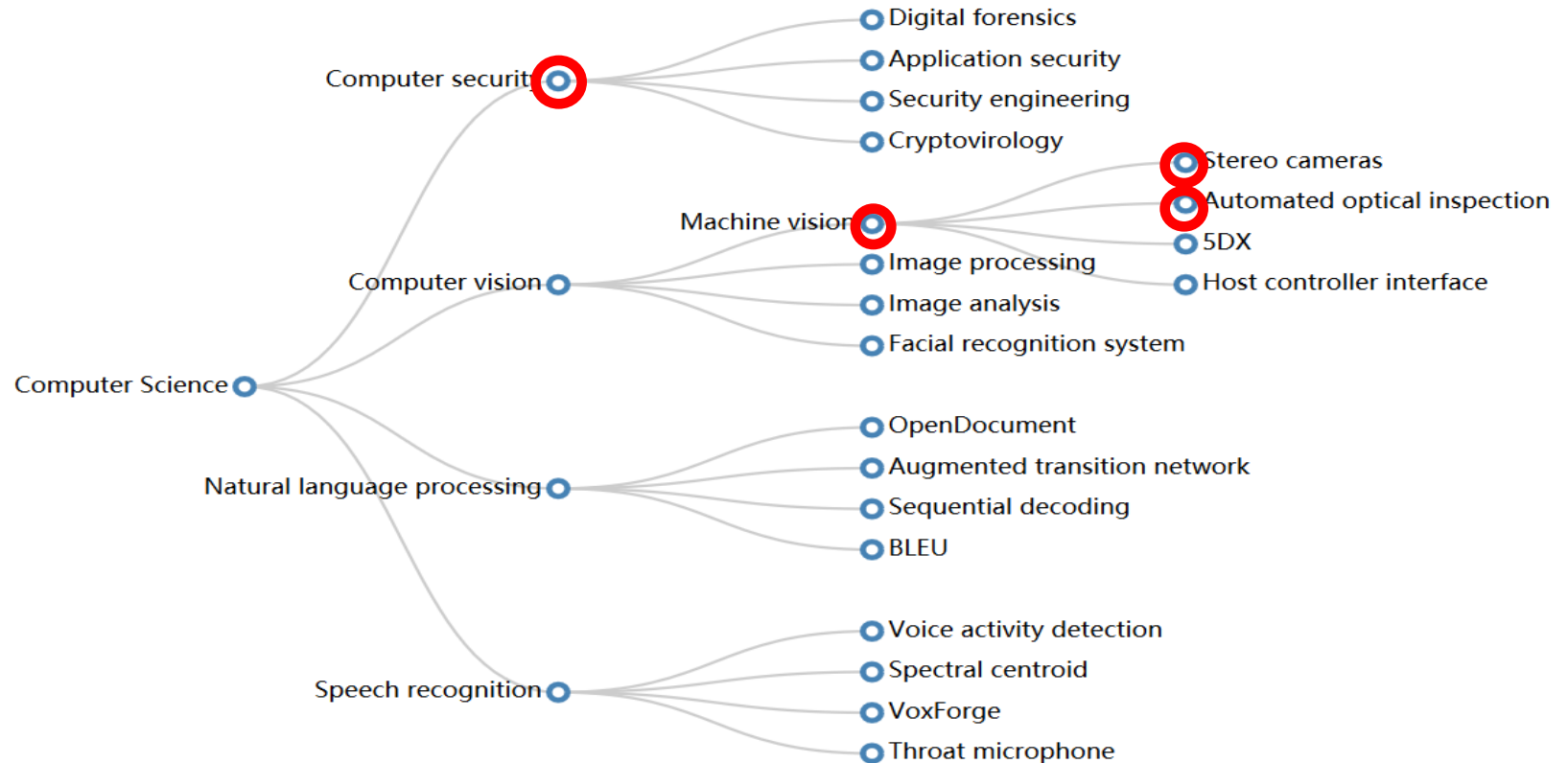
Approaches

Expected Results

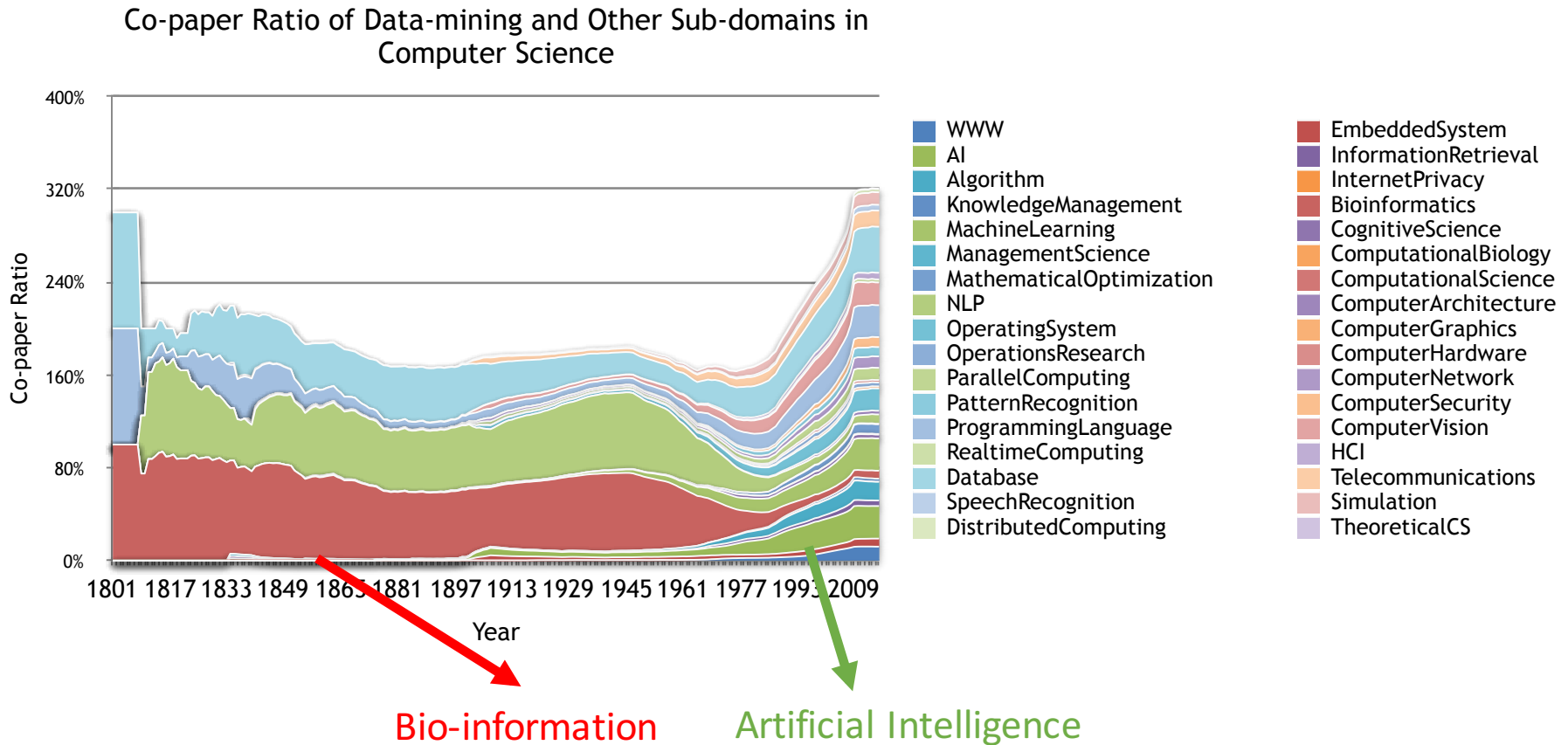
1 Motivation

2 Problem Specification

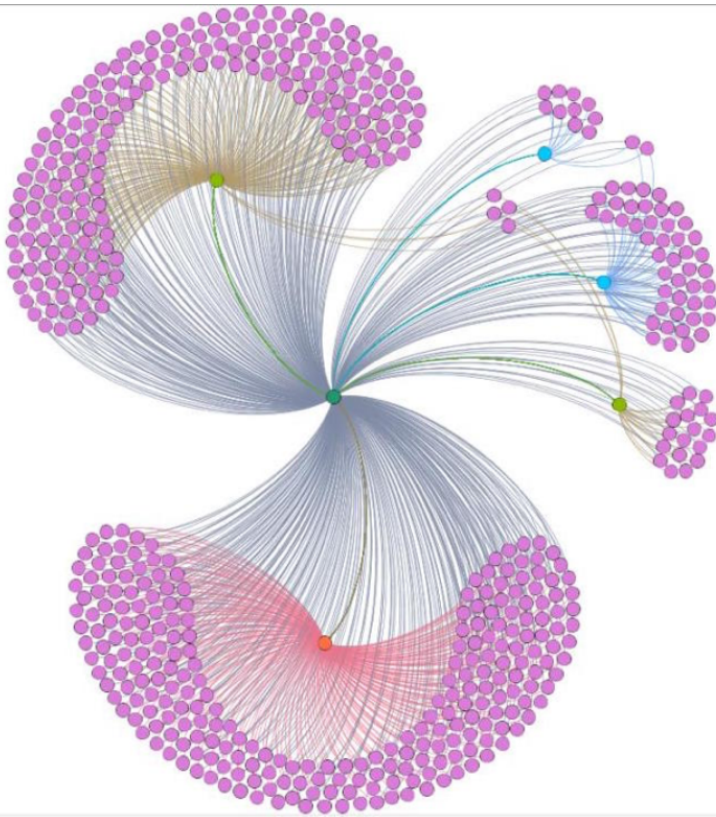
Domain-oriented Exploration: correlation of domains



Domain-oriented Exploration: correlation of domains



Paper-oriented Exploration: Paper citation structure



Center green :
the paper we want to study

Pink : the citation paper

Light green : big domains

Red : small domains

Blue: smaller domains

3 Approaches



- Big Data Mining
- Result Visualization
- Modeling and Simulating



4 Results

- Distance between domains
- Peak Phenomena
- Power-law Distribution

THANK YOU

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<https://ohyoukillkenny.github.io/>